

Nagar Yuwak Shikshan Sanstha's  
Datta Meghe College of Engineering

Airoli, Navi Mumbai, Maharashtra - 400 708

# Self Study Report

Submitted  
to  
National Assessment and Accreditation Council  
Bangalore, India



Nagar Yuwak Shikshan Sanstha, Airoli's

# DATTA MEGHE COLLEGE OF ENGINEERING

(Recognized by AICTE, DTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

ISO 9001:2008 Certified

Ref.:

Date :

DMCE/NAAC/ 1152.

31/03/2017

To,

The Director,  
National Assessment and Accreditation Council,  
P.O. Box no. 1075, Nagarbhavi,  
Bangalore - 560072,  
Karnataka, India.

**Subject:** Application for Letter Of Intent (LOI) for NAAC Accreditation of Datta Meghe College of Engineering, Airoli, Navi Mumbai-400708.

Sir,

We are applying for the issue of Letter Of Intent (LOI) towards NAAC Accreditation of Datta Meghe College of Engineering, Airoli, Navi Mumbai. We have uploaded the Self Study Report (SSR) as specified in the NAAC accreditation norms on our website: [www.dmce.ac.in](http://www.dmce.ac.in).

Also the registration fees for the above is being paid in the form of demand draft whose details are given in the below table. This will be followed by filling up the on line form for the issue of Letter Of Intent (LOI).

Sr. No.	Particular	Details
1	Name of the Institute	Datta Meghe College of Engineering.
2	Email-Id	principal@dmce.ac.in.
3	Website	<a href="http://www.dmce.ac.in">http://www.dmce.ac.in</a> .
4	A & A Fee Demand Draft No. & Date	Demand Draft No. 796612 dated 30/03/2017 for a sum of Rs. 28750/- (Rs. Twenty Eight Thousand Seven Hundred Fifty only) Drawn on HDFC Bank.

This is for your information and necessary action.

Thanking You,

Dr. Sudhir D. Sawarkar

Principal  
**PRINCIPAL**

DATTA MEGHE COLLEGE OF ENGINEERING  
SECTOR-3, AIROLI, NAVI MUMBAI-400708



## The Committees

<b>Governing Body</b>		
<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Subir Kumar Banarjee	Chairman
2	Smt. Suvra Banarjee	Secretary
3	Mrs. Gauri Bhattacharya	Member
4	Mr. Shreejit Bhattacharya	Member
5	Mr. Sudhir Banarjee	Member
6	Mr. Shyamal Kumar Mukharjee	Member
7	Dr. U. Ramesh	AICTE Nominee
8	Dr. S. S. Mantha	DTE Nominee
9	Dr. A. A. Ghatol	University Nominee
10	Dr. Sudhir D. Sawarkar	(Ex-Officio Member Secretary) Principal
11	Dr. Satish R. Devane	Member (Professor)
12	Mrs. Chhaya Pawar	Member (Assistant Professor)
<b>Local Management Committee</b>		
<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Subir Kumar Banarjee	Hon'ble President
2	Smt. Suvra Banarjee	Member
3	Mr. Sudhir Banarjee	Member
4	Mrs. Gauri Bhattacharya	Member
5	Dr. Sudhir D. Sawarkar	Ex-Officio Member Secretary, (Principal)
6	Prof. Amol Pande	Member (Teaching staff)
7	Prof. P. M. Ingole	Member (Teaching staff)
8	Dr. Shubhangi Vaikole	Member (Teaching staff)
9	Mr. P. M. Khurpude	Member (Non-Teaching staff)

## NAAC COMMITTEE

<b>NAAC Steering Committee</b>		
<b>Name of Member</b>	<b>Designation</b>	<b>Committee Position</b>
Dr. Sudhir D. Sawarkar	Principal	Chief Convener
Dr. S. R. Devane	Dean Academics	Convener
Dr. D. J. Pete	HOD-Electronics Engineering	NAAC Process Incharge & Coordinator
Dr. H. S. Chore	HOD- Civil Engineering	Member
Dr. K. S. Deshmukh	HOD- Chemical Engineering	Member
Dr. P. D. Deshmikh	HOD- Mechanical Engineering	Member
Mr. A. P. Pandey	HOD- Computer Engineering	Member
Dr. V. M. Balsaraf	HOD- First Year Department	Member
Mr. S. V. Ekbote	Training & Placement Officer	Member
Mr. G. B. Lohiya	In charge - Examination	Member
Mr. P. Susheelkumar S.	Asst. Prof. (Electronics Engineering)	Coordinator
Mr. J. R. Nandwalkar	Asst. Prof. (Electronics Engineering)	Coordinator
<b>SSR Draft Committee</b>		
Dr. D. J. Pete	HOD-Electronics Engineering	Profile of the Affiliated / Constituent College
Dr. Aruna Henry	Asso. Prof. Humanity Sciences	NAAC Criterion-I
Mr. P. Susheelkumar S. Mr. J. R. Nandwalkar	Asst. Prof. (Electronics Engineering) Asst. Prof. (Electronics Engineering)	NAAC Criterion-II
Dr. H. S. Chore	HOD- Civil Engineering	NAAC Criterion-III
Mr. A. P. Pandey	HOD- Computer Engineering.	NAAC Criterion-IV
Dr. Meghna Chatarjee	Asst. Prof. (Humanity Sciences)	NAAC Criterion-V
Mr. J. Mathew	Asst. Prof. (Computer Engineering)	NAAC Criterion-VI
Dr. K. S. Deshmukh	HOD- Chemical Engineering	NAAC Criterion-VII
Dr. P. D. Deshmukh	HOD- Mechanical Engineering	Presentation of Best Practices
Dr. R. R. Jaware	Asso. Prof. (Mechanical Engineering)	Departmental (Mech) Evaluation Report
Dr. Shubhangi Vaikole	Asso. Prof. (Computer Engineering)	Departmental (Comp) Evaluation Report
Mr. A. S. Kurhekar	Asst. Prof. (Electronics Engineering)	Departmental (Elex) Evaluation Report
Mr. P. V. Mule	Asst. Prof. (Civil Engineering)	Departmental (Civil) Evaluation Report
Mrs. Sujata Kolhe	Asst. Prof. (Information Technology)	Departmental (IT) Evaluation Report
Mr. A.C. Ranveer	Asst. Prof. (Chemical Engineering)	Departmental Evaluation Report
Mr. A. S. Londhe	Asst. Prof. (Electronics Engineering)	Report Compilation

## Contents

<b>Sr. No</b>	<b>Particulars</b>	<b>Page No.</b>
1	Preface	1
2	Abbreviations	3
3	Executive Summary- SWOC Analysis of the Institution	7
4	Profile of the Institution	14
5	Criterion I - Curricular Aspects	26
6	Criterion II - Teaching-Learning and Evaluation	57
7	Criterion III - Research, Consultancy and Extension	117
8	Criterion IV - Infrastructure and Learning Resources	163
9	Criterion V - Student Support and Progression	206
10	Criterion VI - Governance, Leadership and Management	268
11	Criterion VII – Innovations and Best Practices	292
	<b>Evaluative Report of the Departments</b>	
12	Electronics Engineering	298
13	Civil Engineering	405
14	Computer Engineering	475
15	Mechanical Engineering	534
16	Chemical Engineering	567
17	Information Technology	595
18	<b>Presentation of Best Practices</b>	624
	<b>Annexure</b>	
19	Latest Affiliation Letters from University of Mumbai	629
20	Latest Approval Letter from AICTE	634
21	Declaration by the Head of the Institution 3	640
22	Certificate of Compliance	641



---

## ***Preface***

“An educational system isn’t worth a great deal  
if it teaches young people how to make a living,  
but doesn’t teach them how to make a life.”

The noble dream and vision to provide quality education not just to help students attain a degree, but also, train in life skills and values of life Nagar Yuwak Sikshan Sanstha Airoli has set out on a mission to establish educational institutions in the newly developed Twenty First century city, Navi Mumbai. The journey which started way back in early 1980’s has resulted in three schools, and three colleges of various streams like Arts, Commerce and Technology, with more than twenty thousand students.

Datta Meghe College of Engineering is one of the premier institutes in Navi Mumbai offering courses in technology. It was established in 1988 with two programs, Civil Engineering and Electronics Engineering (1988) with the approval of University of Mumbai, DTE (Directorate of Technical Education) and AICTE (All India Council for Technical Education). With the righteous intention of strengthening the nation producing qualitative Engineers in various fields, the college expanded by adding few more branches- Computer Engineering (1992), Mechanical Engineering (1993), Chemical Engineering (1999), and Information Technology (2001). All these programs follow the curriculum structured by the University of Mumbai, and also fulfil the norms of DTE, AICTE and University of Mumbai. Though the syllabus and examinations are as prescribed by the university, the institute always took an extra edge to make the course more effective for students. Various Institutions, Academic Bodies, Management, Committees, Administrative Staff, Heads of the department, and Faculty made it possible to implement plans in a smooth manner.

The last decade has been particularly significant to DMCE in the evolution chart of the institution. The magnanimous support and encouragement of the top management, renewed enthusiasm of faculty and staff, and the readiness of students has helped the institute grow multi



fold in all aspects – academics, co curricular, extracurricular, sports, as well as societal concerns. As the institute has created highest standards at UG level in all areas, right from bagging university top ranks in all the streams for more than a decade, senior most faculty, representing various bodies like, Board of Studies, Local Inquiry Committee(LIC), Paper setters, Subject Experts and so on, the college has extended its wings to take up the challenge of running PG courses in four programs- Civil Engineering(2010-11), Computer Engineering(2010-11), Electronics and Telecommunications(2011-12), and Mechanical Engineering(2011-12). Almost all the students of these batches have been awarded the degree at regular intervals. The efficiency in running UG and PG courses successfully has also made the institute competent to open a research centre for PhD courses, with Civil Engineering in 2012–13, followed by Computer Engineering, and Mechanical Engineering in 2013 -14.

Apart from the academics, the institute promoted overall development of the students, and ensured the safety by setting up various committees listed in the report. It has always ensured justice to all stake holders seeking constant feedback and taking corrective measures.

Today, the institute proudly boasts of completing almost three decades with thousands of students being employed in India and abroad making the institute stand tall. Thus the institute has sojourned on the great mission, moving steadily towards the vision.

We look forward for the assessment of NAAC to gauge our position at national and international level.

Principal

**ABBREVIATIONS**

3D	Three Dimensional
ACEID	Advances in Civil Engineering and Infractural Development
ACES	Association of Civil Engineering Students
AERT	Automotive Engine Repair Technology
AICTE	All India Council for Technical Education
AMC	Annual Maintenance Contract
APE	Advance in Piping Engineering
ARC	Anti Ragging Committee
ARC / FC	Application Receiving Centre / Facilitation Centre
ATKT	Allowed to keep terms
BARC	Bhabha Automic Research Center
BE	Bachelor of Engineering
BOS	Board of Studies
BSNL	Bharat Sanchar Nigam Limited
CAD	Computer Aided Design
CAFO	Command Accounting and Finance Office
CAP	Centralized Admission Process
CAT	Common Admission Test
CATT	Computer Association for Technological Trends
CBCS	Choice-Based Credit System
CBGS	Credit Based Grading System
CE	Computer Engineering
CESA	Computer Engineering Student Association
CET	The Common Entrance Test
CETTM	Center for Excellence in Telecom Technology & Management
CO	Course Outcomes
CSI	Computer Society of India
CSIR	Council of Scientific and Industrial Research
CWDC	College Women's Development Cell
DA	Dearness Allowance
DCF	Digital Course File
DEO	District Educational Officer
DL-QMC	Departmental Level Quality Management Cell
DMCE	Datta Meghe College of Engineering
DSO	Digital Storage Oscilloscope
DST	Department of Science and Technology
DTE	Directorate of Technical Education
EDC	Entrepreneurship Development Cell
EESA	Electronics Engineering Students' Association



EL / ELEX	Electronics
ELC	English literature club
ERP	Enterprise Resource Planning
ETSA	Electronics and Telecommunication Students' Association
EXTC	Electronics & Telecommunication
FDP	Faculty Development Program
FDP	Faculty Development Program
FE	First Year Engineering
FOMES	Forum of Mechanical Engineering Students.
GATE	Graduate Aptitude Test in Engineering
GITS	Group of Information Technology Students.
GMAT	Graduate Management Aptitude Test
GR	Government Resolution
GRC	Grievance and Redressal Cell
GRC	Grievances Redressal Committee
HOD	Head Of Department
IAC	Internal Academic Council
IEEE	Institute of Electrical & Electronics Engineering
IETE	Institute of Electronics & Telecommunication Engg.
IIT	Indian Institute of Technology
IL-QMC	Institute Level Quality Management Cell
IOT	Internet Of Things
IQAC	Internal Quality Assurance Cell
IRG	Internal Revenue Generation
ISA	International Society of Automation
ISTE	Indian Society for Technical Education
IT	Information Technology
ITSA	Indian Telecommunication Service Association
JEE	Joint Entrance Exam
KVA	Kilo Volts-Ampere
LAN	Local Area Network
LCD	Liquid Crystal Display
LIC	Local Inquiry Committee
LMC	Local Managing Committee
MATLAB	MATrix LABoratory
ME	Master of Engineering
MESA	Mechanical Student Association
MODROB	Modernization and Removal of Obsolescence
MOOC	Massive Open Online Course
MOU	Memorandum of Understanding
MS	Maharashtra State



NAAC	National Assessment And Accreditation Council
NBA	National Board of Accreditation
NCTE	National Council for Teacher Education
NIT	National Institute of Technology
NME-ICT	National Mission on Education through Information and Communication Technology
NPTEL	National Programme on Technology Enhanced Learning
NSS	National Service Scheme
OBC	Other Backward Class
OBE	Outcome-based Education
OD	Outside Duty
OHP	Over Head Projector
PCB	Printed Circuit Board
PEO	Programme Education Objectives
PET	Ph. D. Entrance Test
PF	Provident Fund
PG	Post-graduate
Ph. D.	Doctor of Philosophy
PI	Principal Investigator
PO's	Program Outcomes
PR	Practical
PSO	Program Specific Outcomes
QMC	Quality Management Cell
QMS	Quality Management System
R&D	Research & Development
RACE	Recent Advances in Civil Engineering
RC	Research Committee
RCS	Research Committee Structure
RFID	Recent Developments in Infrastructure Field
RTOS	Real Time Operating System
SAE	Society of Automotive Engineers
SAOC	Special Authorized Officers Committee
SC	Scheduled Cast
SCEE	Student Council of Electrical Engineering
SE	Second Year Engineering
SOCHE	Student Organization of Chemical Engineering
ST	Scheduled Tribe
STC	Short Term Course
STTP	Short Term Training Programme
T&P	Training and Placement
TCS	Tata Consultancy Services



---

TE	Third Year Engineering
TEQIP	Technical Education Quality Improvement Programme
TFWS	Tuition Fees Waiver Scheme
TW	Term Work
UG	Under Graduate
UGC	University Grants Commission
UoM	University of Mumbai
UPSC	Union Public Service Commission
USSC	University Of Mumbai Staff Selection Committee
VAC	Audio Visual Conferencing
WDC	Women Development Cell
WGRC	Woman Grievances Redressal Cell



## Executive Summary

### Criterion I: Curricular Aspects

All stakeholders in the institute are reminiscent of the Vision and Mission through display boards that educate and extend awareness to all stakeholders. All the departments have their respective vision and mission statements along with a copy of the 'Quality Policy' which is described in ISO documents and covers all aspects of teaching/learning. The faculty is encouraged to follow the practices laid out therein.

The faculty takes part in curriculum development in University of Mumbai meetings to ensure uniformity with other institutions. The most important task of 'Curriculum-execution' is meticulously planned by Departments headed by Heads of each department at the beginning of each semester. In particular, the Course Outcomes (COs) as laid out by University of Mumbai are improvised, if necessary and mapped on to Program Outcomes (POs) as laid out by the institute to ensure that students acquire necessary skills through these courses. With Digital system in place, the tracking of all indices that reflect quality teaching (course plan, theory and Lab. work, attendance, CO-PO mapping, conducting tests, assignments, evaluation and grading etc.) takes place scrupulously. To cover the gap, if any, between industry-needs and course content, regular seminars and expert talks are arranged both for local as well as global scenario. The suppleness indispensable to fine tune the teaching/learning process to cover all above aspects is made available to the teaching faculty.

Besides a huge band of elective courses, the institute takes additional efforts for providing supplementary skill development opportunities to students via dedicated workshops, industry pedagogical programs and so on. The Training and Placement cell has made the students 'Industry ready' and enhanced their employment potential. The institute also accomplished in imbibing societal concerns, environmental and ethical awareness and more importantly holistic growth.

At DMCE we believe that students, who are the principle stakeholders of the institution, are often the people who replicate the motto of the institute. The student feedback, a mandatory part of knowing where the strengths and weaknesses lie, is taken at regular intervals. The Principal and HODs delineate salient points brought to the fore by feedback and also internal quality checks and plan out corrective measures as deemed necessary. The top management is apprised of these quality assurance activities. Thus the curriculum is thoroughly scrutinized in order to accomplish all the objectives and goals set.



### **Criterion II: Teaching, Learning & Evaluation**

This criterion involving the teaching, learning and Evaluation processes is considered the most important criterion since it involves all the processes right from new student admission till the final Graduation of each student.

The admission to the Engineering Programmes is controlled by the Directorate of Technical Education (DTE), Mumbai. DTE frames all the admission rules and regulations which is mandatory for all the Institutes to follow while admitting the students for their UG (BE) and PG (ME) Programmes. DMCE also adheres to all the DTE guidelines in this regards and specifically DMCE Admission Cell maintains complete transparency and publicity of the various admission stages in the process. The division of seats in open/management quota is 80/20 percent. Admissions to Ph.D. programmes are carried out as per the guidelines of University of Mumbai Circular No. 441 of 2005. The detailed Admission process is given in the SSR.

The overall trends in engineering admission in the whole of Maharashtra are on the decline. But DMCE has ensured almost 100% admission across all disciplines in the UG section, which is a reflection of high academic standards practiced in DMCE. DMCE caters to different types of learners in a very effective way as detailed in the SSR. Right from the Orientation Programme, DMCE makes a conscious effort through its teachers, counselors and heads to identify the Fast, Normal and Slow Learners and accordingly boost their morale towards achieving excellence in their studies. The advanced Learners are encouraged to go beyond the Course Curriculum while exploring their potential in the form of Technical Paper presentation in Conferences and Journals of repute. The special needs of the differently-abled students are looked after adequately on a case to case basis by relevant members of various committees setup for this purpose. DMCE also undertakes to sensitize its staff and students on matters pertaining to Societal and Environmental issues, Gender equality, Women empowerment, upliftment of weaker sections of Society, etc. All the students are given proper guidance and orientations intermittently during the entire course duration regarding their Career Planning, Research Skills, various Competitive Exams, latest technical know-hows, social skills through various seminars, conferences, Technical Project Competitions, Workshops, Symposiums and other Events hosted by DMCE.

Timely counseling of students with poor attendance and poor test results with involvement of their parents has resulted in reduction of drop-out candidates.

In addition, there are various committees and bodies constituted like IL-QMC, DL-QMC to ensure that the teaching Learning Process at DMCE meets its goals and objectives. They ensure that all the processes are refined and fine-tuned regularly to meet the evolving changes in Academic System followed at DMCE.

DMCE implements the Student Evaluation Process along the guidelines given by UoM and the whole process is now executed in a well-structured and precisely monitored fashion. Formative and summative evaluation of students in teaching, laboratory work and projects is also conducted in a closely monitored process by staff appointed by heads of each department. One of the

---



objective of the above process is to ensure that all the Programme outcomes are met and satisfied by each student while graduating out of the System, thereby making students industry ready.

DMCE maintains an high academic standard which is highlighted with the presence of 20 PhDs, 70% faculty members with 15+ years of Academic / Industrial / Research experience in the system and the successful placement of eligible students across Industries/Corporates ranging from private sector undertaking to Public Sector Undertakings of National/International Level of reputation.

### **Criterion-III: Research, Consultancy and Extension**

This section deals with the information in regard with the research activities, consultancy services and extension and outreach activities undertaken by the institute.

The institute has got recognized research center affiliated to the University of Mumbai in three branches, namely- Civil Engineering, Computer Engineering and Mechanical Engineering. The institute has got properly constituted research committee to monitor and address the issue of the research. The recommendations made by the committee are implemented and found to have positive impact. The institute has taken all the measures in order to facilitate the smooth progress and implementation of research projects. The institute makes concerted efforts for developing the scientific temper and research culture amongst its faculty and students. As of today, the institute has carried out many research projects sponsored by the University of Mumbai. The faculty of the Institute has got expertise in the diversified areas of their relative field and is involved in active research and thus, guided many ME/ PhD candidates.

The institute is giving more thrust on the research and development and hence, specifically earmarks some budget (5% of the total budget) for this head. The particulars of the total budget and budget under different heads are also given in this section. The information of the research facility available in the college and the grants received from various agencies is also given. The particular of the state of the art library and information resources center is also given. The information in regard with the research and technical publication is also given. The institute also provides consultancy services in some of the areas. The institute promotes the extension and outreach activities as well so as to fulfill its social responsibility. The institute has undertaken many such activities and programmes which are useful to the community. In addition, the institute has got collaboration, working understanding and memorandum of understanding with many institutes, organizations, and companies as a part of industry-institute interaction.



### **CRITERIA – IV: Infrastructure and learning**

For smooth functioning of the institution, providing abundant infrastructural facility is always been the priority of the management. The details mentioned in this criterion shows that the facilities not only fulfill the norms but it provides comfort for its expansion also.

Along with the major facilities like well lighted and airy classrooms, spacious and well equipped laboratories and digital ICT board tutorial rooms, institute also concern to fulfill social and safety environment. The campus provides facilities like Grievance redressal Unit, Placement Unit, Women's cell, E-Cell, Boys Common Rooms, Girls Common room, First Aid, Generator for power backup, Canteen, drinking water and clean washrooms on each floor. Institute cares for the students and staff with physical disability. It has provision of ramps & lifts in the campus building for them.

For conduction of various seminars, workshops there are provision of seminar halls with audio visual facility. The campus is networked with LAN and having internet facility throughout the campus. Understanding the recent trends and requirement like digital teaching learning on a click, institute provides the WiFi facility in the campus.

Institute has spacious library with ample books, e-journals and technical magazines. A wide range of subject fields are represented in the book stock to meet the needs of students and faculty members. For accessing e-journals that are subscribed by institution, various reports, monogram, a digital section is provided in the central library.

Apart from academic, Institute encouraged its young and budding engineers to realize their potential in the fields of sports and the other extra-curricular activities. The Institute provides space for indoor games and has its own gymnasium, badminton court, basketball field. Thus, due to such a ample resources and funding, students boost up for all-round development that can be seen through various activities and events like Technical (ACES, ESSA, FOAMS, CATT, SOACH, GITS), cultural (Milestone), sports (Sportszilla), social (Marathi Vangmay-Garja Maharashtra, Ganeshotsav) they conduct.

### **Criteria V: Students mentoring and Support**

The Criteria involving Student mentoring and Support focuses on the facilities, assistance and promotion of participation of students in various activities conducted in- house and at University level, State level, National and international level. The aim of the criteria is to find out the details of financial assistance, students of weaker section receives from the institute, State and Government of India. The organisation of various skill based events helping to bring the weak students to join the main stream. The focus of the criteria is on how the students assisted or promoted from the institute to take part in various activities, what kind of assistance students receives for career development. The details in this criteria speaks more about the various student chapter running in institute and the help it provides to the students in learning leadership skills by being organiser or help them to groom themselves by participating in various



events. The criteria demands information related to various committees for smooth functioning of institute and elimination of gender bias and bringing cohesive environment in the organisation.

### **Criterion VI: Governance, Leadership and Management**

The vision of the college is to achieve excellence in technical education, by providing quality education to students and to achieve this; the mission of the institute is well articulated. We aim for complete growth of the students, and this requires extra effort and resources. The departments, in turn, have formulated their vision and mission in tune with that of the institute. The Principal DMCE is the executive head under whose leadership all the committees function.

The top management provides effective academic leadership to the faculty, by setting goals and involving them in decision-making process not only to achieve the vision, mission and goals of the institute but also in building the organizational culture.

The HODs also empower senior faculty to carry out specific tasks and this way the faculty are also mentored to handle management and leadership issues. The staff and student representatives and all other stakeholders of the college participate in framing policies and decision making at the levels of department and the institute.

Feedback taken from stakeholders, at the appropriate times, serves to give an understanding of local, global trends and future needs and help in fine-tuning the policies to cater to these needs. Top management provides the necessary leadership, financial and administrative support to realize these policies.

As a commitment to quality, DMCE has obtained ISO 9001-2008 certification. The management recognizes the need for decentralization, for the growth of the institute. The institute also believes that faculty and staff are its backbone and that the success of the institute depends on the quality of human resources.

Priority is given for recruitment of suitable, competent faculty, training them to meet their teaching objectives, helping them realize their potential, rewarding high performing faculty and counseling low performing faculty based on their performance appraisal.

Quality enhancement strategies like participation in orientation programs, seminars, refresher courses, Faculty Development Programs, paper presentations in conferences, encouraging research etc. are implemented for faculty development.

The management extends full support to enable such empowerment programs. As part of the quality improvement strategy and to bridge the gap between academics and industry, is taken care of by T & P Department.

---



The administration and academia work in cooperation for smooth and effective governance. Financial provision required for effective working of the institute and for taking care of the infrastructure required for teaching learning, is duly made by the management every year. Systems are in place for ensuring that purchases are in compliance with given norms and the utilization of budget is optimal and effective. All finance and accounts are duly audited every year.

In order to ensure continuous improvement of quality and achieve academic excellence, the institute has academic audits from government regulatory bodies like the affiliating University (MoU), DTE, and AICTE.

### **Criterion VII: Innovations and Best Practices**

We are showing eagerness to introduce best practices that positively impact teaching, learning, administration as well as environmental and societal concerns. Keeping in step with the heightened global concerns on environmental impact of any organization, DMCE has introduced various green campus initiatives. Digital Initiative Program for exam section has reduced the use of paperwork considerably and this initiative thus saves the green cover by way of conservation of trees. It has also led to a decongested working area, free from massive paper records. It has also provided a platform for effective management at all levels owing to its unique features. Digital Initiative Program has also had a positive impact on the students and faculty alike and both communities are now finding more time to focus on the primary function of teaching and learning. The bulky paper records in exam cell are now replaced by digital storage. The institute library is also digital to the extent possible.

We have adopted various measures towards Energy conservation, water harvesting and effecting carbon neutrality. Our efforts have been channelized towards paper less work and best practices like implementing continuous assessment and evaluation policy.

### **SWOC Analysis:**

#### **Strengths:**

- Adequate Infrastructure as mandated by AICTE and University of Mumbai
  - Qualified & Experienced Faculty with Efficient Supporting Staff
  - State of art laboratories with latest equipments and softwares.
  - Resourceful Library with ICT enabled Features
  - Focus on Societal Awareness along with Academic Dissemination
  - Focus on Employability enhancement of our Students & Industry Interface
  - Conducting Conferences / Seminars/Workshops/Expert Sessions from Industry and Research Experts
-



- Research publications by faculties and students.
- Located in the Heart of Thane-City

**Weaknesses:**

- Green Energy
- Institute – Society Interaction
- Representation of faculty in University governance
- IPR and Patents

**Opportunities:**

- Incubation Centres for encouraging Entrepreneurship Activities
- Establishing Research Labs in Collaboration with Industries & Research Institutions
- Further enhancing Industry Interface
- Addition of New programs for PhD
- Increase in community based skill development programs and management development programs (MDP).
- Real Time Project acquisition and Implementation
- Exposure to Foreign Languages other than English

**Challenges:**

- To attract Meritorious Students and NRI Students
- Reaching cent percent Employability
- Competition due to more number of autonomous /deemed / private/ foreign Institutes and Universities.
- Adapting to the Changing trends in Engineering Education



## 1. Profile of the Affiliated College

### 1. Name and Address of the College

Name:	Datta Meghe College of Engineering		
Address:	Plot No. 98, Sector-03, Airoli, Navi Mumbai		
City:	Navi Mumbai	State:	Maharashtra
Pin:	400708		
Website:	<a href="http://www.dmce.ac.in">http://www.dmce.ac.in</a>		

### 2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax
Principal	Dr. Sudhir D. Sawarkar	O:022- 27791662 R:	9819768930	022-27791665
Email	principal@dmce.ac.in			
Dean (Academics)	Dr. Satish R. Devane	O:022-27791662 R:	98333939858	022-17791665
Email	dean@dmce.ac.in			
Steering Committee Co-ordinator	Dr. Satish R. Devane	O:022-27791662 R:	98333939858	022-17791665
Email	dean@dmce.ac.in			

### 3. Status of the Institution:

Affiliated College  
Constituent College  
Any Other (specify)

✓
X
X

### 4. Type of Institution:

#### a. By Gender

1. For Men
2. For Women
3. Co-education

X
X
✓

#### b. By Shift

1. Regular
2. Day
3. Evening

✓
X
X

**5. It is a recognized minority institution?**

Yes

No

X
✓

If yes specify the minority status (Religious/linguistic/any other) and provide documentary

Evidence: NA

**6. Sources of funding:**

Government  
Grant-in-aid  
Self-financing  
Any other

X
X
✓
X

**7. a. Date of establishment of the college:** 31/08/1988.**b. University to which the college is affiliated / or which governs the college (if it is a constituent college):** University of Mumbai**c. Details of UGC recognition:**

Under section	Date, Month and Year (dd-mm-yyyy)	Remark (if any)
i. 2(f)		Institute is recognized by AICTE
ii. 12 (B)		

(Enclose the Certificate of recognition u / s 2 (f) and 12 (B) of the UGC Act)

**d. Details of recognition / approval by statutory / regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)**

Under Section / Clause	Recognition / Approval details Institute / Department Programme	Date, Month and Year (dd-mm-yyyy)	Validity	Remark
AICTE	U.G Civil Engg Electronics Engg Computer Engg Mechanical Engg Chemical Engg Information Technology Information Technology (DSE) Mechanical Engg (DSE) Civil Engg ( II Shift)	30.04.2016	2016-17	The Institute is recognized since 1991 by AICTE



P.G	Civil Engg			
	Computer Engg			
	Mechanical Engg			
	Electronics & Telecommunication Engg			
	Ph.D	Civil Engg		
	Computer Engg			
	Mechanical Engg			

(Enclose the recognition / approval letter)

**8. Does the affiliating university Act provide for conferment of autonomy (as recognized by UGC), in its affiliate colleges?**

Yes

 , No

If yes, has the college applied for availing the autonomous status?

Yes

 No**9. Is the college recognized****a. by UGC as a College with Potential for Excellence (CPE) ?**

Yes

 No

If yes date of recognition: (dd/mm/yyyy): NA

**b. For its performance by any other governmental agency?**

Yes

 No

If yes, Name of the agency : NA

Date of recognition: (dd/mm/yyyy): NA

**10. Location of the campus and area in sq. mts:**

Location *	
Campus area in sq. mts.	10003
Built up area in sq. mts.	16572

(\* Urban, Semi-urban, Rural, Tribal, Hilly area, any other specify)

**11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.**



- Auditorium/seminar complex with infrastructural facilities
- Sports facilities
  - \* Play ground
  - \* Swimming pool
  - \* Gymnasium

✓
✓
✓
X
✓

- Auditorium/seminar complex with infrastructural facilities

**Hostel**

\* Boy's Hostel

X

1 Number of hostels

2 Number of inmates

3 Facilities (mention available facilities)

\* Girl's Hostel

X

1 Number of hostels

2 Number of inmates

3 Facilities (mention available facilities)

\* Working Women's Hostel

X

1 Number of Inmates

2 Facilities (mention available facilities)

\* Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise)

X

\* Cafeteria

✓

\* Health Care

✓

(First aid, Inpatient, Outpatient, Emergency care facility, Ambulance)

**Health centre staff**

Qualified doctor: Full time

✓

Part -Time

X

Qualified Nurse Full time

X

Part -Time

X

The Institute has got tie-up with Modi Hospital Located barely at a distance of 300 metres from the institute whereby the hospital shall extend helping hand in case of emergency

**Facilities like banking, post office, book shops**

- Facilities like banking, post office, book shops
- Transport facilities to cater to the needs of students and staff
- Animal house

X
NA
X



- Biological waste disposal
- Generator or other facility for management/regulation of electricity and voltage
- Solid waste management facility
- Waste water management
- Water harvesting

NA
✓
✓
✓
✓

**12. Details of programmes offered by the college (Give data for current academic year)**

SL No.	Programme Level	Name of the Programme/Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/approved Student strength	No. of students admitted
01	Under Graduate	Civil Engg	4 yrs	10+2	English	120	117
		Electronics Engg	4 yrs	10+2	English	120	70
		Computer Engg	4 yrs	10+2	English	120	114
		Mechanical Engg	4 yrs	10+2	English	60	50
		Chemical Engg	4 yrs	10+2	English	60	43
		Information Technology	4 yrs	10+2	English	60	54
		Information Technology (DSE)	3 yrs	Diploma	English	60	63
		Mechanical Engg (DSE)	3 yrs	Diploma	English	60	63
		Civil II Shift	4 yrs	10+2	English	60	49
02	Post Graduate	Civil Engg	2yr	B.E/B.Tech	English	18	18
		Computer Engg	2yr	B.E/B.Tech	English	18	1
		Mechanical Engg	2yr	B.E/B.Tech	English	18	1
		Electronics & Telcomm. Engg	2yr	B.E/B.Tech	English	18	5



03	Ph.D.	Civil Engg		M.E/M.Tech	English	10	3
		Computer Engg		M.E/M.Tech	English	15	2
		Mechanical Engg		M.E/M.Tech	English	10	1

**13. Does the college offer self-financed Programmes?**

Yes

 No X

If Yes, How many:

16

**14. New programmes introduced in the college during the last five years if any?**

Yes :

No:

 X

Number:

06

Sr. No.	Course	Programme	Year of start
1	B.E.	Information Technology (Direct Second Year)	2012-13
2	B.E.	Mechanical Engineering (Direct Second Year)	2012-13
3	B.E.	Civil Engineering (Second Shift)	2013-14
4	Ph. D.	Civil Engineering	2012-13
5	Ph. D.	Computer Engineering	2013-14
6	Ph. D.	Mechanical Engineering	2013-14

**15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the department offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Faculty	Departments	UG	PG	Research
Engineering & Technology *	Civil Engg.	Yes	Yes	Yes
	Electronics Engg.	Yes	Yes **	No
	Computer Engg.	Yes	Yes	Yes
	Mechanical Engg.	Yes	Yes	Yes
	Chemical Engg.	Yes	No	No
	Information Technology	Yes	No	No

\* U.G = 6, P.G = 4, Ph.D = 3

\*\*Electronics &amp; Telecommunication Engg.

**16. Number of Programmes offered under (Programme means a degree course like B.E, ME...)**

- a. Annual system
- b. Semester system
- c. Trimester system

0
10
0

**17. Number of Programmes with**

- a. Choice Based Credit System
- b. Inter / Multidisciplinary Approach
- c. Any other (specify and provide details)

10
NA
NA

**18. Does the college offer UG and / or PG programmes in Teacher Education?**

Yes  No   
If yes,

a.	Year of Introduction of the programme (s): (dd / mm / yyyy) and number of batches that completed the programme	NA
b.	NCTE recognition details (if applicable)	
	Notification No.	
	Date: (dd / mm / yyyy)	
	Validity	
c.	Is the institution opting for assessment and accreditation of Teacher Education separately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

**19. Does the college offer UG or PG programme in Physical Education?**

Yes  No   
If yes,

a.	Year of Introduction of the programme (s): (dd / mm / yyyy) and number of batches that completed the programme	NA
b.	NCTE recognition details (if applicable)	
	Notification No.	
	Date: (dd / mm / yyyy)	
	Validity	
c.	Is the institution opting for assessment and accreditation of Teacher Education separately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

**20. Number of teaching and non-teaching positions in the Institution**

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
<b>Sanctioned by the UGC / University / State Government Recruited</b>	7	1	2	3	91	94	55	03	23	10
<b>Yet to recruit</b>	--	--	--	--	--	--	--	--	--	--
<b>Sanctioned by the Management/ society or other authorized bodies Recruited</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Yet to recruit</b>	--	--	--	--	--	--	--	--	--	--

\*M-Male \*F-Female

**21. Qualifications of the teaching staff:**

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	6	1	2	3	1	3	16
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	59	50	109
<b>Temporary teachers</b>							
Ph.D.	1	--	--	--	1	2	04
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	30	39	69
<b>Part-time teachers</b>							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

**22. Number of Visiting Faculty /Guest Faculty engaged with the College. Nil****23. Furnish the number of the students admitted to the college during the last four academic years.**

U.G



Categories	2016-17		2014-15		2015-16		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	46	18	44	16	42	18	47	31
ST	8	6	7	2	11	4	19	9
OBC	84	25	61	32	68	35	120	81
General	178	67	233	63	228	67	264	105
Others	45	20	54	19	79	50	23	11

P.G

Categories	2016-17		2014-15		2015-16		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	1	4	5	3	0	1	1	0
ST	0	0	0	0	1	2	0	0
OBC	2	1	2	4	5	3	0	0
General	11	2	22	19	14	19	45	15
Others	4	0	6	3	0	0	4	4

**24. Details on students enrollment in the college during the current academic year:**

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	617	25	0	0	642
Students from other states of India	6	0	0	0	6
NRI students	0	0	0	0	0
Foreign students	0	0	0	0	0
<b>Total</b>	<b>623</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>642</b>

**25. Dropout rate in UG and PG (average of the last two batches)**

UG:

1 %

, PG:

00

**26. Unit Cost of Education**

*(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)*

(a) Including the salary component

Rs. 107380.32/-

(b) Excluding the salary component

Rs. 52526.59/-

**27. Does the college offer any programme/s in distance education mode (DEP)?**

Yes

No

If yes,

a.	Is it registered centre for offering distance education programmes of another University	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/>
b.	Name of the University which has granted such registration.			
c.	Number of programme offered			
d.	Programmes carry the recognition of the Distance Education Council.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/>

**28. Provide Teacher-student ratio for each of the programme/course offered:**

Sr. No.	Course	Ratio	
		U.G.	P.G.
1	Civil Engg.	1:15	1:12
2	Electronics Engg.	1:15	1:12
3	Computer Engg.	1:15	1:12
4	Mechanical Engg.	1:15	1:12
5	Chemical Engg.	1:15	NA
6	Information Technology	1:15	NA

**29. Is the college applying for Accrediation:**

Cycle 1	<input checked="" type="checkbox"/>	Cycle 2	<input checked="" type="checkbox"/>	X	Cycle 3	<input checked="" type="checkbox"/>	X	Cycle 4	<input checked="" type="checkbox"/>
---------	-------------------------------------	---------	-------------------------------------	---	---------	-------------------------------------	---	---------	-------------------------------------

Re-Assessment:	<input checked="" type="checkbox"/>
----------------	-------------------------------------

*(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)*



**30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) :**  
NA

**31. Number of working days during the last academic year.**

234 days

**32. Number of teaching days during the last academic year**

*(Teaching days means days on which lectures were engaged excluding the examination days)*

116 days

**33. Date of establishment of Internal Quality Assurance Cell (IQAC) (ISO)**

IQAC (ISO: 9001-2008): 02<sup>nd</sup> Feb. 2010 (dd/mm/yyyy)

**34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.: NA**

AQAR (i) ..... (dd/mm/yyyy)

AQAR (ii) ..... (dd/mm/yyyy)

AQAR (iii) ..... (dd/mm/yyyy)

AQAR (iv) ..... (dd/mm/yyyy)

**35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)**

- A very good learning atmosphere facilitated with ICT based e-learning modules emulating the IIT system of education.
- Highly enthusiastic cultural environments is always in our Institute
- The academic performance of student is excellent and many students secure university rank. These students are rewarded with scholarships and tuition fees waivers.
- Always Excellent results are given by the Institute.
- All possible facilities are incorporated in the Institute for the development.
- The DMCE offers an distinctive learning environment which encourages them to pursue higher education (M.S/M.Tech/M.E.) and research programmes
- Students are encouraged for SWAYAM.
- DMCE is endorsing the digital evolution started by the Government such as digital lockers services.
- DMCE is ISO certified since around 7 years with excellence.



- DMCE maintains healthy and effective interactions with Industrial sector through the vibrant training and placement cell that provides us a realistic view of the demands of the industry.
- DMCE have decided good HR policies to encourage faculties to attend or to go through various workshops / seminars / National / International conferences and support them for publications in conferences and supports for their publications in National / International journals.
- Various encouragement policies are made for the faculties for their improvement in academic performances.
- DMCE has Student's ISTE Chapter for various technical activities to undergo and is awarded the "Excellent Students Chapter Award" for the year 2016, for the National Conference conducted by DMCE in APR. 2016.
- Awesome infrastructure, well stacked Library with 45144 volumes including 17252 Titles of National, journals, e-journals and NPTEL videos with high speed internet facility.
- DMCE supports the students for all extracurricular activity for their overall development so that students can grow up them themselves in leadership and social activities .
- DMCE organizing International conference, National Conference, Intercollegiate project Competition, Intercollegiate sports events, various university level programmes, and workshops time to time.
- DMCE supports various NGO's by providing them necessary requirements through different student's club activities such as SOCHE, CATT, EESA, GITS, ACES, and FOMES etc.
- DMCE also provides excellent environment for academics parallaly with various programmes such as personality development, management courses leading to higher studies and entrepreneurship.
- There are various MNC's like TCS, Infosys, Capgemini, Wipro, Godrej etc. that depend upon DMCE for recruiting our students.
- DMCE provides free wifi for the entire campus.
- Whole campus is secured by CCTV cameras.



## 2. Criteria - wise Inputs

### Criterion-I Curricular Aspects

#### 1.1 Curriculum Planning and Implementation:

Datta Meghe College of Engineering was established in 1988 with two programs Civil Engineering and Electronics Engineering (1988) with the approval of University of Mumbai, DTE (Directorate of Technical Education) and AICTE (All India Council for Technical Education). With the noble intention of strengthening the nation producing qualitative Engineers in various fields the college expanded by adding few more branches- Computer Engineering (1992), Mechanical Engineering (1993), Chemical Engineering (1999) and Information Technology (2001). All these programs have a curriculum structured by the University of Mumbai, and fulfilling the norms of DTE, AICTE and University of Mumbai. Though the syllabus and examinations are as prescribed by the university, the institute always took an extra edge to make the courses more effective for students. Various Institutions, Bodies, Management, Committees, Administrative Staff, Heads of the department, made it possible to implement plans in a smooth manner.

##### **1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.**

Compendious statement of Vision, Mission and Objectives:

##### **Vision:**

To provide world class facilities along with pre-eminent educational experiences that encourage, and are responsive to fulfil the need of twenty first century in research and academics for creating leadership in technology to address the critical needs of industry in particular, and society in general to foster the techno-economic development of the nation

##### **Mission:**

To nurture the intellectual growth of learners for serving the society through creation, application, and dissemination of knowledge relevant to the best practices of Engineering and Technology for socio-economic growth of the nation

**Objectives:**

- To respond to the needs of its constituencies which include students, employers, alumni, faculty, staff and public communities
- To strengthen the basic fundamentals of sciences, so as to enable them apply the same in respective branches
- To enhance the practical knowledge of students in conducting experiments in the modern Engineering laboratories including interfacing experiments with computers
- To familiarise students with professional issues in Engineering including ethics, issues related to global economy and emerging technologies
- To function on multi disciplinary teams
- To inculcate the skills required to solve various issues related to the general practice of Engineering and technological aspects

**Goals:**

- To foster excellence in teaching, research, and service
- To provide a stable platform to students to enter the corporate world by nurturing their competencies
- To create an academic environment where the highest standards of scholarship, and professional practices are observed
- To develop a cadre of students with the attitudes, leadership and presentation skills to be effective members of corporate world
- To strengthen the institute with intensive research and development activities
- To groom collaboration and friendly learning communities in which all stake holders can succeed

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

List of action plan for effective implementation of the curriculum with details of process:

- Each department conducts departmental meeting in the beginning of every semester under the guidance of dean by HOD to all the faculty members.
- The motto of conducting the meeting is to discuss and plan the action about effective implementation of curriculum. The syllabus of subjects is discussed and allocated to appropriate faculty to handle and justify it. Faculty get enough time to study the subject; prepare course file, notes, PPT, question bank, and other materials.
- Teaching plan is prepared well in advance with understanding the blueprint of the subject.
- Staffs are deputed for orientation program of new subjects, so they can impart it to the students.



- Timetable is prepared by the faculty under the guidance of HOD, in considering curriculum of the subject. Lectures, practicals and tutorial schedules are well prepared according the physical and psychological needs of the student.
- As a part of the curriculum, the students are issued assignments and are assessed regularly to keep them focussed and upgraded. Most of the time faculty use PPT presentation along with discussion and brain storming session. The technical project of BE students are allocated by faculty as per their area of interest and experience. Project progress is regularly monitored in project work books. The students are given a choice to opt the elective subjects listed in the university curriculum. Industrial visits, seminars, workshops, paper presentations are planned and executed depending on the need of the curriculum. The monthly attendance report along with defaulter list is displayed. The defaulter students are instructed and parent meeting is conducted.
- Also incorporating knowledge and skills being one of the primary goals, the focus is on qualitative teaching and learning process. The appointments of faculty is done regularly (every year) and the best of faculty as chosen to inspire and educate students. Although the curriculum and examinations are set by the university:
- DMCE takes an extra mile to train them efficiently. E.g. IT department conducts workshops for first year IT students after their semester II exams, before they go to second year. There they are educated about software languages they ought to know when they enter higher semesters.
- Internal exams are conducted twice in a semester according to the norms set by university. But faculty takes extra care in discussing the papers with students individually seeing each answer sheet. Attendance too is recorded regularly but it is also mentioned to the respective parents to ensure that they know about their ward.
- Also, Teacher Guardian scheme is implemented effectively. Around 20 students are allotted to each faculty every semester. They maintain the complete academic record of those students. Every month a meeting is also conducted to identify the problems, which if required would be forwarded to the Head of the department and Principal.
- Also students are encouraged for industrial visits and internships to acquire practical knowledge and exposure to their requirements

**1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

- The university takes the initiative to support the entire faculty regarding the curriculum especially whenever the revision of syllabus is done; workshops are conducted at various levels- a meeting is conducted among the senior faculty initially for taking the opinion in designing the syllabus.
- Subject allocation for the next semester is done at the end of the semester. All the faculty prepare Teaching plan and get it approved by the HOD before the commencement of the semester.



- The syllabus completion report submitted after each month help them to make a progressive plan and identify the gaps between their teaching plan, and lectures actually taken. Remedial sessions are plotted in the time table to support weaker students.
- Also the institute encourages the faculty to attend Advanced Short Term Training programs on the syllabus related topics conducted by IIT's and other Technical colleges. PO's and CO's are clearly derived with the guidance of HOD and senior faculty thereby ensuring that the curriculum is properly adapted.

**1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

- The institute has always been proactive in identifying the requirements of the coming academic year. All the HOD's are instructed to submit their departmental budget and requirements at the end of each academic year like audio visual equipments, lab equipments, consumer durables' etc. so that the labs are equipped for the whole year and that practicals can be conducted effectively.
- Also the HOD's conduct a meeting with the faculty to select the most suitable faculty for the content delivery of each course. This facilitates teachers to prepare thoroughly for delivering lectures. They prepare the course plan, both theory and practicals.
- Academic Dean holds a meeting with HOD's and chalks out the schedule for the coming semester, right from compiling attendance and display of it, internal test schedule, Events and oral exams based on the university schedule. Because of this effective planning, there is enough coordination among departments.
- Each faculty develops one's own teaching plan and get it approved by the HOD before the commencement of the semester. They also design and develop tutorial activities, assignments with solutions and convey the same to the students in the beginning of the semester itself. The test papers are designed considering the entire COs and related PO's.
- For the better delivery of content, the faculty uses smart boards, ICT like audio- visual equipments( Language Lab), internet, expert lectures, and so on. Also students are continually assessed during their laboratory work i.e. journals and theory through assignments.
- The student organizations of the college conduct various paper presentation contests and seminars on technical and non technical topics for overall development of the students. Extra lectures and practical are conducted for direct second year students. The faculty use NPTEL video lectures for better lecture preparations. While conducting experiments, a batch of twenty students is made in each lab for effective delivery of the content.
- A batch of students is allocated to every faculty as 'Teacher Guardian' who monitors the academic performance, physical and psychological aspects of students. Feedback is taken from the students on teaching learning process. Every year evaluation of teachers is done through feedback which helps teacher to improve and upgrade their skills and knowledge.



- E- Journals are facilitated to students in labs and central library to educate about the current research developments.

**1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?**

- The institute interacts with beneficiaries regularly so that the operationalisation of the curriculum is done effectively. Guest lectures are arranged by the respective departments, and the speakers include senior corporate, industry start ups and career counselors. Students are addressed with the real need of the industry, how to update, additional skills required etc.
- Also industrial visits are arranged for students every year to physically see the functional aspects. Prior permissions make it more effective as most of the companies encourage their future employees know the work culture.
- The industries/ companies also offer internships to students during their four year course. They spend around one month working at the desk and the actual work conditions, challenges faced, and how they are resolved. Students are encouraged to participate in various co-curricular and extracurricular activities conducted at the university level.

The faculty and students have the membership of National Digital Library, DELNET, membership of IIT Bombay, etc. where they can explore resources available online and offline.

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, Specific suggestions etc).**

The institute since inception has been an active member thoroughly contributing its share to the University. The average experience of faculty being 15 years, many of them are members of the syllabus committee, paper setters of final university exams, and also hold positions in Board of Studies.

**Table 1.1: Contribution of the Staff Members to the Development of the Curriculum**

SR.NO	Branch	Name of the Faculty	Nature of Involvement/ work in University
1	Civil	DR. H. S. Chore	Member, Board of Studies
2	Electronics	Dr. D J Pete (Syllabus drafted))	<ol style="list-style-type: none"><li>1. Integrated Circuit Technology(Sem VIII) –Electronics (SD)</li><li>2. Electronics Devices and circuits(Sem III)-Electronics and Electrical Engineering (SD)</li></ol>
		Prof G B Lohiya	<ol style="list-style-type: none"><li>1. Embedded System Design (Sem VII)- Electronics (SD)</li><li>2. Microprocessor &amp; Peripherals (Sem IV)- Electronics (SD)</li><li>3. Microcontrollers &amp; Applications (Sem V)-Electronics (SD)</li></ol>
		Prof S R Jajoo.	<ol style="list-style-type: none"><li>1. Circuit Theory (Sem III)- Electronics</li><li>2. Electrical Machines (Sem III)- Electrical (SD)</li></ol>
3	Mechanical	Dr. P. D. Deshmukh	Production Process I(UG), Production Process II(UG) (SD)
		Dr. R. R. Jaware	Production Planning and Control(UG), Advanced Manufacturing Process(PG) (SD)
4	Chemical	Dr. K. S. Deshmukh	Chairperson, Board of studies, Chemical Engineering, University of Mumbai.
		Mr.S M. Deshmukh, Mr. P. M. Ingole, Mr.S.J.Kulkarni, Mrs.S.R.Dhokpande, Mrs. M. T. Sose	Syllabus Committee Members



		Mr. A. C. Ranveer	
5	IT	Dr.S.R.Devane	Syllabus Committee
6	Humanities And Sciences	Dr.Aruna Henry	Business Communication & Ethics, (Syallbus Committee Member)
		Dr.Atul Dubewar	Applied Mathematics FE (Syallbus Committee Member)
		Mrs. S. M. Bendale	Applied Mathematics FE (Syallbus Committee Member)

**Table 1.1: Contribution of the Staff Members to the Development of the Curriculum**

Feedback is encouraged from all stake holders, whereas it is regularly collected from students, at the end of every semester, parents of weaker students, Alumni through online and at T&P desk. Feedback is also given by industry experts along with their expectations to hire students. Thereby students are accordingly nurtured to equip for the current day requirements.

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university)by it? If ‘yes’, give details on the process (‘Needs Assessment’, design, development and planning) and the courses for which the curriculum has been developed.**

All the courses run by the institute are affiliated to the university.

**1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

Course Outcomes (CO'S) and Program Outcomes (PO's) are plotted at the beginning of the academic session, so the faculties are equipped with the objectives of the curriculum. The two most effective ways of analyzing and ensuring the effect of objectives is through:



## 1. Results

## 2. Placement

**Results:** The analysis of results help in accurately measuring the objectives at very short intervals. The analysis includes subject wise marks, division wise, class wise and so on.

**All the maximum available parameters are considered with the previous results well. Example Of FE Final Exam Result Analysis**

**Class wise Course Outcomes Of Successful Students****F.E. Semester-I (2015-16)**

SUBJECT	SUBJECT CODE	CLASS					TOT AL
		DIST INCT ION	I	II	PASS	FAIL	
Applied Mathematics-I	FEC101	100	73	104	118	148	543
Applied Physics-I	FEC102	49	84	100	146	164	
Applied Chemistry-I	FEC103	99	141	106	118	79	
Engineering Mechanics	FEC104	100	73	104	118	148	
Basic Electrical & Electronics Engg.	FEC105	75	87	114	109	154	
Environmental Studies	FEC106	39	155	165	148	36	

**Course Outcomes Of Successful Students****F.E. Semester-I (2015-16)**

Subject	Subject Code	Average Marks	Maximum Marks
Applied Mathematics-I	FEC101	59.57	100
Applied Physics-I	FEC102	41.58	75
Applied Chemistry-I	FEC103	44.88	75
Engineering Mechanics	FEC104	59.57	100
Basic Electrical & Electronics Engg	FEC105	58.32	100
Environmental Studies	FEC106	42.40	75

**Class wise Course Outcomes Of Successful Students****F.E. Semester-II (2015-16)**

SUBJECT	SUBJECT CODE	CLASS					TOTAL
		DIST INCT ION	I	II	PASS	FAIL	
Applied Mathematics-II	FEC201	134	93	83	100	122	532
Applied Physics-II	FEC202	60	82	83	132	175	
Applied Chemistry-II	FEC203	102	114	112	115	89	
Engineering Drawing	FEC204	138	93	109	96	96	



Structured Programming Approach	FEC205	28	54	142	131	177	
Communication Skills	FEC206	74	153	172	107	26	

**Course Outcomes Of Successful Students****F.E. Semester-II (2015-16)**

Subject	Subject Code	Average Marks	Maximum Marks
Applied Mathematics-II	FEC201	63.12	100
Applied Physics-II	FEC202	42.65	75
Applied Chemistry-II	FEC203	45.18	75
Engineering Drawing	FEC204	47.21	75
Structured Programming Approach	FEC205	53.95	100
Communication Skills	FEC206	28.90	50

**Placements:** Academically, in long run the successful students appear for placements. The overall development, technical knowledge and life skills come to the aid of securing jobs in reputed companies. Apart from this, students interested in pursuing higher education also appear for various competitive exams like GRE, TOFEL, GATE, ELTS and so on.

Every year around 10-20 % of the students take admission in various national and international programs like MS, M. Tech., MBA.



## 1.2 Academic Flexibility

### 1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

♦Although the institute does not directly offer any certificate/ diploma and skill development courses, it has extended support to the SWYAM MOOCS (Massive Open Online Courses), a program initiated by Ministry of HRD, Govt. of India. Students are permitted to avail the college resources at the departmental laboratories/ central library during their free time to pursue the same.

♦Also students are encouraged to go for (MOOC) on English Communication to improve their Communication Skills. The Training and Placement cell conducts personality Development sessions for students to enhance their life skills which aid in performing better during campus placements.

### 1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If“yes”, give details.

No

### 1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

The various institutional provisions are given at two levels:

1. At the institute level

2. Departmental level.

- Institute provides academic facility to change the branch or program after completion of First year, provided, there is a vacancy in that particular branch.



- Also there is the provision of lateral entry under Direct second year. Information Technology and Mechanical Engineering have 60 additional seats each, for Direct second year admissions. The admissions are done through DTE(Directorate of Technical Education), Maharashtra. Vacant seats of second year are also filled under the same procedure.
- Elective options offered by the University are provided based on the students' demand in each program. The details of branch wise and semester-wise electives are appended in the table given below.

**Table 1.2: Semester-wise Elective Subjects**

Sr.No.	Branch	Semester	Elective Subject
1	Civil Engineering	VII	Advanced Structural Analysis
			Solid Waste Management
			Advanced Foundation Engineering
			Pavement Subgrade Materials
		VIII	Advanced Design of Steel Structures
			Industrial Waste Treatment
			Soil Dynamics
			Pavement Design and Construction
2	Electronics Engineering	VII	Artificial Intelligence
			ASIC V
			Optical Fibre Communication
			Digital Image Processing
		VIII	Robotics
			Mobile Communication
			Digital Control System
			BioMedical Electronics



3	Computer Engineering	VII	Soft Computing
			Advance Algorithms
			Computer Simulation & Modeling
			Software Architecture
			ERP and Supply Chain Management
			Image Processing
		VIII	Machine Learning
			Embedded Systems
			Adhoc wireless Networks
			Big Data Analysis
			Digital Forensic
4	Mechanical Engineering	VII	Supply Chain Management
			Power Plant Engineering
			Operation Research
		VIII	Renewable Energy Sources
			ERP
			Cryogenics
			Automobile Engineering
5	Chemical Engineering	VI	Advanced Material
			Computational Fluid Dynamics
		VII	High Performance Leadership
			Polymer Technology
			Petroleum Refining
			Technology
			Advanced Process Simulation
		VIII	Total Quality Management
			Biotechnology
			Advanced Transport Phenomenon



6	Information Technology	VII	Multimedia System
			E-commerce
		VIII	Soft Computing
			Software Testing and Quality Assurance

These courses are mostly opted based on the larger interest of students aiming towards either higher studies such as ME/M.Tech/MS/MBA or that which enhance employment potential.

Choice Based Credit System is not followed by the institute as the controlling university has not yet offered the schemes.

**Courses offered in Modular form:** The curriculum is designed on complete modular structure. According to the University of Mumbai credit transfer and accumulation facility is available only at the end of First Year.

**Enrichment courses:** The institute organizes several enrichment courses at both institutional and departmental level. Following are the courses for the last four years.

**Table 1.3: Enrichment courses organised for students:**

SR. NO	Branch	Speaker / Organizer	Date	Details
1	Civil Engineering	Dr. D. M. Dewaikar Professor Emeritus, CED, IIT Bombay	December 23-27, 2013	A One Week Short Term Training Programme on: Recent Developments in Infrastructure Field (RDIF-2012)
		Dr. A. R. Katti Professor, (DMCE),		
		Mr. V. B. Ashtankar, MCGM, Mumbai		



	Mr. Vijay Kamble Superintending Engineer, CIDCO	A One Week Short Term Training Programme on:  Applications of Mathematical Modeling, Numerical techniques and soft Computing Tools in Civil Engineering	December 19-24, 2014
	Mr. Mohan Dagaokar City Engineer, NMMC		
	Dr. J. N. Mandal, Professor, CED, IIT Bombay		
	Mr. Cyrus M. Dordi Ambuja Cement, Mumbai.		
	Dr. H. S. Patil Professor, AMD SVNIT Surat		
	Dr. D. M. Dewaikar Professor Emeritus, CED, IIT Bombay		
	Dr. R .K. Ingle, Professor, AMD VNIT Nagpur		
	Dr. J. N. Mandal Professor, IIT Bombay,		
	Dr .C.H. Solanki Professor, AMD SVNIT Surat		
	Dr. S .B. Charhate Professor, HOC Pillai CET, Rasayani		
	Dr. R. B. Magar Professor, AIKTC, Panvel		



	Dr. Yogesh M. Desai, J.K. and M.J. Mehta Chair Professor of Structural Engineering CED, IIT Bombay	January, 17 (Saturday) 2015	A One Day Workshop on: Finite Element Method with Application in Civil Engineering
	Dr. R .K. Ingle, Professor, AMD VNIT Nagpur		A Three Days' Short Term Course (STC) on:
	Dr.Ratnesh Kumar, Assistant Professor, AMD, VNIT, Nagpur	April 9-13, 2015	Structural Dynamics and Seismic Design of High Rise Buildings
	Dr. D. M. Dewaikar Professor Emeritus, CED, IIT Bombay		
	Dr. V. A. Sawant Associate Professor, CED, IIT, Roorkee		
	Dr. G. R. Dodagoudar Professor, IIT Madras		A One Day Workshop on: Geotechnical Earthquake Engineering, Seismic Retrofitting and Vulnerability Assessment (GEESRAVA)
	Dr. H. S. Patil Professor,AMD SVNIT Surat		
	Dr.Ratnesh Kumar, Assistant Professor, AMD, VNIT, Nagpur	August 1, 2015	



	Dr. Sanjay Kumar Shukla (Edith Cowan University, Perth, Australia)	December 15-16, 2015	Two Days' International (Speaker) Training Course on: Introduction to Geosynthetics and Ground Engineering
	Dr. V. A. Sawant Associate Professor, CED, IIT, Roorkee		A One Week Short Term Course on:  Recent Advances in Structural and Geotechnical Engineering
	Dr. D. M. Dewaikar Professor Emeritus, CED, IIT Bombay		
	Dr. G. R. Dodagoudar Professor, IIT Madras		
	Dr. R. D. Satish Kumar Professor, IIT Madras	December 17-22, 2015	
	Dr. L. M. Gupta Professor, VNIT Nagpur		
	Dr. Ratnesh Kumar, Assistant Professor, AMD, VNIT, Nagpur		
	Dr. Sharbani Adhikary Assistant Professor, AMD, VNIT, Nagpur		
	Mr. Hemant Vadalkar STAAD Centre, Thane, Mumbai	December 20-24, 2015	A Short Term Training Programme on:  Application of STAAD in Civil Engineering



		Dr. J. N. Mandal Professor Emeritus, CED, IIT Bombay	December 20-24, 2016	A One Week Short Term Course on:  Recent Advances in the Field of Transportation Engineering and Infrastructure Development.
		Dr. V. B. Ashtankar, MCGM, Mumbai		
		Dr. C. H. Solanki Professor, (SVNIT Surat)		
		Dr. R. B. Magar Professor, AIKTC, Panvel		
2	Electronics Engineering	Mr. S. B. Patil (Elex. Dept.)	15/09/2015	Effective Handling & use of Electronic Instruments
		Mrs. S. A. Mithbavkar (Elex. Dept.)	16/10/2015	Mini Project-I Competition
		Mr. S. B. Bobade (Elex. Dept.)	03/03/2016	Industrial visit to CETTM, MTNL Powai, Mumbai
		Mr. S. M. Patil (Elex. Dept.)	03/03/2016	Industrial visit to Vital Electronics, Mahape, Navi Mumbai
		Mrs. P. N. Jain (Elex. Dept.)	01/04/2016	Intercollegiate Project competition 2016.
		Mrs. P. N. Jain (Elex. Dept.)	04/07/2016 & 05/07/2016	PCB Making (students skill Development



				Program)
	Gill Instruments, Banglore	17/07/2016	Lab Development for Embedded System Design (RTOS)	
	Gill Instruments, Banglore	24/07/2016	Lab Development for Embedded System Design (RTOS)	
	Mr. G. B. Lohiya (Elex. Dept.)	09/01/2017 to 13/01/2017	System Design Development	
	Gill Instruments, Banglore	13/01/2017 14/01/2017 15/01/2017	Take Tree Program on Embedded System & IOT	
3	Computer Engineering	Technophillia Systems Pvt. Ltd	1/3/2014 to 2/3/2014	Workshop on Sixth Sense Technology
		Eduonix	8/3/2014 to 9/3/2014	Workshop on Android Development
		CMC	13/12/2014	Aptitude Test for T.E.
		Karrox	19/9/2014	Workshop on PHP Mysql
		CDAC (Amit Singh)	11/9/2015	Workshop on Fundamentals of C/ Java
		Mr.AbhisekJineja Aditi Singh	23/1/2016	Seminar on Career Guidance



		PritamBhangale PrashantKhisty		
		DhananjayPandit	24/3/2016	Seminar on Python
		Mr. Rahul Kulkarni, Ex Google , founder Early stage social Enterprise	23/6/2016	Guest Lecture
		Mr. Mishra	14/01/2016 to 16/1/2016	Workshop on Hands on Linux
		Prof. Ambavade (SPIT)	24/9/2016 to 26/9/2016	Networks Security & ethical Hacking
4	Chemical Engineering	Chief Guest for the Inauguration Function - Mr. R. G. Rajan, Independent Consultant and Former Chairman & Managing Director at Rashtriya Chemicals & Fertilisers.  Talk on : Fertilizer Industry	4 <sup>th</sup> March 2017	Prof N.R.KamathQuiz Competition CHEQ 2017
		1. Anand Joshi Assistant Professor Mechanical Engineering Department DMCE Airoli  2. PrashantIngole Assistant Professor Chemical Engineering Department DMCE Airoli  3. Mr.AbhijeetSalokhe, Head Piping Division B&V  4. Mr.KiranPundare	10 <sup>th</sup> and 11 <sup>th</sup> February 2017	Two days STTP on Advances in Piping Engineering-“APE-2017” for students



	Energy Consultant 5. Mr.MilindNatakar, Process Consultant ICB Technimont, Malad		
	Mr.Sushil Kumar, President-GMS Reliance Industries Ltd.	26 <sup>th</sup> and 27 <sup>th</sup> Feb 2016 (two days)	Technical Talk at Outstanding young Chemical Engineer Blastcarbo Blocks ThyssenkruppAward 2016
	Dr.Kaustubh S Majumdar Deputy Manager, Toyo Technology pvt Ltd	19 <sup>th</sup> August 2016	Industry Institution Interaction and what after engineering
	Mr. Sridhar Chitanvis, Sr. GM, Aker Solutions	8 <sup>th</sup> Oct 2015	Scope and upcoming trends of Chemical Engineering
	1. K. Sahastranaman 2. NandkishoreNere 3. Dr.ArchisYawalkar 4. Dr.Kulkarni 5. Prof. K.V.Venkatesh 6. Dr. R. Ghadge 7. Dr.V.Ramesh 8. Dr.ParagGogte 9. Dr.Gharpure 10.Mr.Mokashi 11.Dr.ArchisYawalkar 23.Dr. K.S. Deshmukh	May 6-11, 2013	Six days STTP- Challenges for Chemical Engineering Faculty to Meet the Needs of Industries” (CCEFI -13)



5	Information Technology	Dr.Ambawade,S.P.C.E.,Andheri	24th,25th,26th September 2015	Network Security and Ethical Hacking
		Mr.Mishra	14th,15th,16th january 2016	Hands-on Linux
		Mrs.S.P.Nehete,Mrs.S.R.Kolhe, Mrs.S.S.Jawale,Mrs.N.R.Thakur	5 <sup>th</sup> to 10 <sup>th</sup> July2013	Programming Logic development using Java
		Mrs.S.S.Jawale,Mrs.N.R.Thakur, Mrs.S.P.Nehete,Mrs. S.R.Kolhe	5 <sup>th</sup> to 10 <sup>th</sup> July2014	Programming Logic development using Java
		Mrs.S.S.Jawale, Mrs.N.R.Thakur, Mrs.S.R.Kolhe	5 <sup>th</sup> to 10 <sup>th</sup> July2015	Programming Logic development using Java
		Mrs.S.S.Jawale, Mrs.N.R.Thakur, Mrs.S.R.Kolhe	4 <sup>th</sup> to 8 <sup>th</sup> July2016	Programming Logic development using Java
		Mrs.PriyankaDhuliya	11th MAY 2016	Hands-on Latex
		Mr.DhananjayPandit,Student of	24th,25th,26th	PHP Programming



	DMCE(Comp)	h September 2015	
	Mr.Dhananjay Pandit,Student of DMCE(Comp)	14th,15th,16t h january 2016	PHP Programming
	Vijay Chaudhari from Technotronics ltd , Mahape	13th Feb 2017	Cyber Security
	Prof Kevin Patel	11th Jan 2016	Hackathon 2017

**1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

- All the courses offered by the institute are self-financed, but for the students belonging to SC/ST/VJ/NT/OBC/SBC category where Govt. of Maharashtra offers a tuition fees for the students admitted under these sections through Samaj Kalyan.
- The norms relating to admission procedure, fee structure, and curriculum and faculty qualification as per AICTE & University of Mumbai norms are as given below:
  - 1) Admission is done through Central Admission Process(DTE-CAP)
  - 2) The curriculum followed is as per the University of Mumbai.
  - 3) The fee is structured by Regulatory Authority, Maharashtra.
  - 4) The qualification & pay scale of the faculty is as per the rules and regulations of University of Mumbai & AICTE



**1.2.5. Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.**

Skill Development Programs are conducted in different forms:

**Training and Placement Cell:**

- Various one day workshops, seminars, events and soft skills programs are arranged by the cell. I
- Internships from third year expose students to the corporate work culture

**Departments:**

- Arrange guest lectures, workshops and various other events for students throughout the year
- Industrial Visits are arranged once in a year to acquaint with the functioning of organisations.

**E-Cell:**

- Organises Enspire every year where speakers are start-up who educate students about the issues relating to start up.

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?**

No

**1.3 Curriculum Enrichment**

**1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?**

---



- Department facilitates the students to take internship in different industries.
- Institute organizes expert talk, lectures, seminars, workshops and industrial visits to understand practical exposure, challenges and scenario of the global market.
- Senior faculty members of the institute with experience in respective subjects are involved in framing university curriculum along with external academicians. Information Technology department of the institute gives one week workshop for the first year pass out students who enter in information Technology domain to understand importance of computer and its skills.

**1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

- The students are trained in various ways so that they become more confident,so as to cope with the needs of the dynamic employment market.
- Although the institute strictly adhere to the syllabus set by the University,it also takes extended responsibility of training students in various ways:

**1. Language Lab:**

This lab provides enough exposure to students according to the needs of each student both in oral and written skills

- ♦Role play sessions are conducted in semester V,under the subject ‘BCE’(Business Communication & Ethics )which include Mock Assembly sessions,Mock Parliament ,Corporate meetings etc ,the same are recorded and shown to students.
- ♦The faculty also provides remedial language training sessions to weaker students.

**2. Training and Placement Cell:**

The T&P cell conducts soft skills programs addressed by experts from corporate sector.

**3. Student Forums:**

Students participate in various events, quiz competitions. Technical Paper Writing Competition and also extra curricular activities at District, State and National Level competition.

**1.3.3 Enumerate the efforts made by the institution to integrate the crosscutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?**

- The curriculum of First Year includes subject namely Environmental Studies, which highlights various aspects relating to climate change, Environmental education etc.
- Also a subject BCE (Business Communication & Ethics) focuses on ethics (both professional and personal).
- **CSR (Corporate Social Responsibility)** is initiated by motivating student forums who collect clothes, grains, toys etc from students and staff and support weaker sections in and around Mumbai.

**1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of student**

The college has always valued the activities that ensure holistic development of students.

- An initiation is taken to encourage Swayam MOOC( Massive Open Online Courses) program initiated by Ministry Of HRD, Government of India, a new paradigm of education aimed to provide digital education to facilitate hosting of various interactive courses during and after college hours. This provides them an opportunity to upgrade their life skills and career options.



- Workshops and seminars are conducted on various social, moral and ethical values by the college Women Development Cell i.e. 2 hours Yoga session for better health, Traffic rules to be followed addressed by Rabale Police Personnel and so on.
- The institute has actively participated in various activities taken up by the government of India like Swach Bharat Abhiyan, helped NGO's in survey on the success ratio of the same etc.
- The college Entrepreneurship Cell is active in organizing various activities in association with the NGO's.
- Apart from all these efforts, Training and placement cell offers one week short term courses to help students gain hands on experience on technical aspects and also their interpersonal skills. Seminars and Symposiums are conducted to address various issues like spoken and written skills.

### **1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

Feedback is collected for all the courses twice a year, at the end of each semester. The analysis is done in a week's time measuring the parameters like, quality of teaching, class room control and behaviour of the teacher, punctuality, honesty, syllabus completion along with opinion on various general details regarding infrastructure and other amenities provided to students. Initially feedback is discussed by the Principal with Heads of the Department, and later Heads of the department discuss it with faculty and suggest corrective measures. Extension of service is given to ad-hoc faculty based on their performance.

The details of feedback are kept available for all the committees (LIC, AICTE, and DTE) that visit every year.

### **1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

Enrichment programmes are organised throughout the year at various levels:

---

**1. Institute level:**

The college has always valued the deeds that ensure enrichment of students. An initiation is taken to encourage Swayam MOOC( Massive Open Online Courses) a program initiated by Ministry Of HRD, Government of India. This provides them an opportunity to upgrade their life skills and career options. Workshops and seminars are conducted on various social, moral and ethical values by the college committees. The institute has actively participated in various activities taken up by the government of India like Swach Bharat Abhiyan, to make them know the value of social responsibilities.

**2. Departmental level:**

Department facilitates the students to with various activities like Industrial Visits, availability of Labs for pursuing courses like MOOC expert talk, lectures, seminars, workshops understand practical exposure, challenges and scenario of the corporate world.

**3. Training and Placement:**

The success of students reflect a lot through placements. The overall development, technical knowledge and life skills come to the aid of securing jobs in reputed companies. Hence, efforts are taken to train students before attending placements. Apart from this, students interested in pursuing higher education also appear for various competitive exams like GRE, TOFEL, GATE, ELTS and so on.

**3. Student Forums:**

Student Forums collectively organise events like Mega Tech- Fest, an intercollegiate event where many institutes participate. Annual Gathering called ‘MIilestone’ is also organised every year.

**4. E- Cell:**

E cell is very active throughout the year. Various events are conducted. To name a few Enspire, an event where successful start ups are invited to address the students on multiple issues. They themselves do a start up attempt during Tech fest with a food stall.

**1.4 Feedback System****1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

- More than 50% of the faculty having more than 15 years experience has been an undisputable strength of the institute. The institute encouraged their entire faculty to pursue higher studies. Around 10 faculties, who completed their doctorate while working in the institute, have gone as Principals to various institutes affiliated to the University. Also visiting faculty has been a part of syllabus committee in every revision of syllabus. Some are also appointed as members of Board of Studies who design the courses periodically.
- The vital stage of curriculum execution is thoroughly planned by Heads of the department at the beginning of the semester. Faculties are instructed to map the course outcomes as set by the university, and are mapped on to the program outcomes with the guide lines of NBA. Considering all factors faculty submit their teaching plan for approval from the respective head.
- Course files are maintained by the faculty. With the trading of all indices that reflect quality teaching (course/ teaching plan, theory and practical / lab work, attendance, conducting internal test, assignments, evaluation and grading etc) to fill the gap, if any between industry needs and course content, seminars are arranged in DMCE, both for local & global scenario.
- The institute has always valued the endeavour of the students while offering electives. Apart from that special efforts are taken to offer additional skill development programs to students



via workshops, seminars. More than 100 such events took place under T & P since 2012. This has been one of the effective activities which helped to boost the confidence of students for placements.

**1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If ‘yes’, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?**

Yes. Feedback is collected for all the courses twice a year, at the end of each semester, the analysis is done in a week's time measuring the parameters like, quality of teaching, class room control and behaviour of the teacher, punctuality, honesty, syllabus completion along with opinion on various general details regarding infrastructure and other amenities provided to students. Initially feedback is discussed by the Principal with Heads of the department, and later Heads of the department discuss it with faculty and suggest corrective measures. Extension of service is given to ad-hoc faculty based on their performance.

The details are made available for all the committees (LIC, AICTE, and DTE) that visit every year.

**1.4.2 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?) Any other relevant information regarding curricular aspects which the college would like to include.**

- Civil Engineering Department has started second shift with 60 intakes in 2013-2014. The efficiency of the faculty and availability of infrastructure has resulted in outstanding results at the university level since inception. The last decade has been seen university toppers too. The department competed with the government colleges like VJTI and SP in providing quality education. With this reputation, when the institute realized the demand for Civil



Engineers, on one hand and very few colleges offering this on the other, initiated to start second shift.

- The excess resources were thus diverted to start the same in 2013-14. The college also has the status of Research centre under University of Mumbai. It started with the courses in Civil Engineering, Mechanical Engineering and Computer Engineering in 2012-2013. As it is running successfully with 05 scholars in Civil Engineering and one in Computer Engineering already being awarded the degree, College has recently applied for Ph.D program in Electronics Engineering as well.

**CRITERION II: TEACHING, LEARNING & EVALUATION****2.1.1 How does the college ensure publicity and transparency in the admission process?**

Admissions to all the Programmes of UG, PG and PhD offered by this Institute is governed by the Rules and Regulations as laid down by the Directorate of Technical Education, Maharashtra State (MS-DTE) and University of Mumbai from time to time. All the stake holders like the parents and students are facilitated by our Admission Cell. They provide all necessary and regulatory information regarding the admission process to these parents and interested Students. The Institute follows the reservation quota rules as per the norms for the students in the reserved category and there is 100% transparency in the procedure. 20% of admissions done at the Institute Level, by the Management is carried out ensuring that all the guidelines, norms and regulations prescribed by DTE, Mumbai & University of Mumbai towards the Admission to UG, PG, Ph.D Programmes is religiously followed. The Admitted List of candidates for the respective academic Years need to be approved by DTE, Mumbai after thorough verification process followed at the DTE, Mumbai office for each and every student admitted.

The process adopted for publicity and transparency of admission is also shown in Fig. 2.1

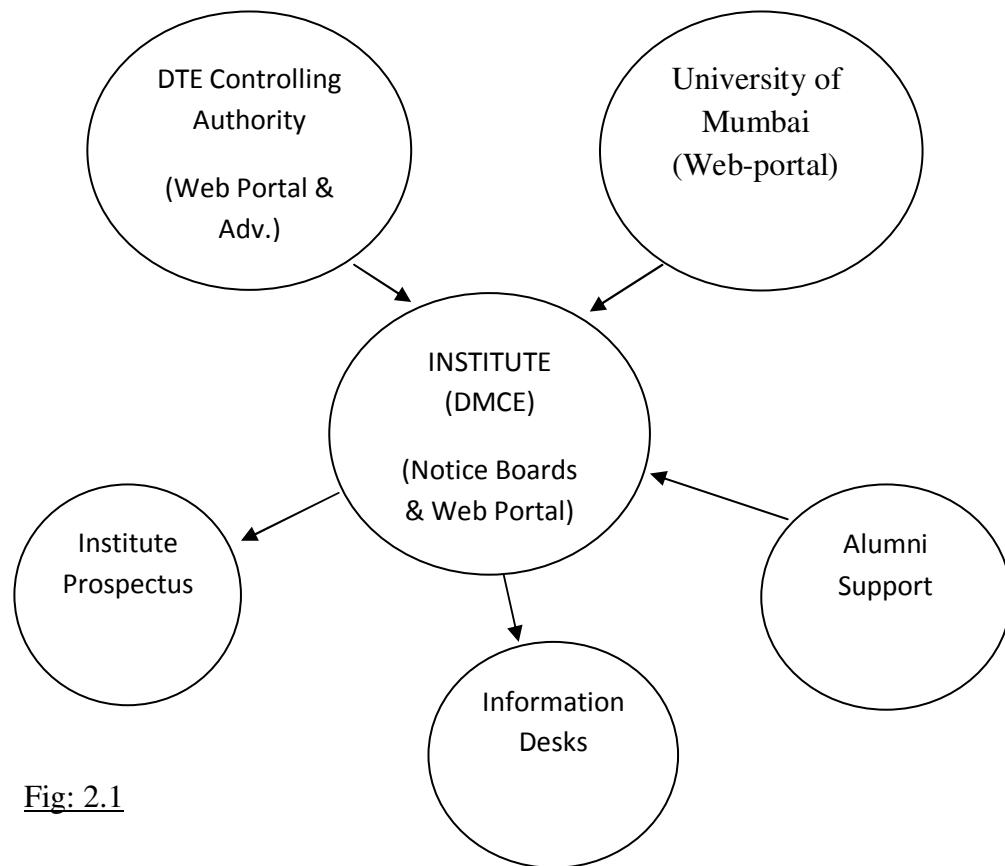


Fig: 2.1

---

---



We can summarize the various points highlighted in the above figure as stated further.

- DTE, Mumbai governs the complete on-Line Admission process (Centralised Admission Process – CAP) through streamlined processes in a step by step manner which is made public through their Web-portals and multiple Print media.
- The institute prospectus also highlights all the required admission criteria and Procedures. It also provides information about number of seats, different courses, eligibility for admission, process of admission and academic information. The same is also made available on the Institutional Website.
- This Admission notification with all the detailed procedures and norms are also displayed at the entrance of the college, Departmental Notice boards and Central Notice boards
- Alumni also contribute a lot towards the Admission by referring interested candidates to our Institute. Such candidates along with others are counseled extensively by various Institutional authorities like the Principal, HODs, and designated Counselors.

**2.1.2 Explain in detail the Criterion adopted and process of admission (Ex. (i)merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.**

The institute follows the admission process as per the guidelines given by MS-DTE. Centralized Admission Process (CAP) of DTE governs the eligibility Criterion for selection of students to first year, direct second year and Master of Engineering. The procedure is as given below:

**Under Graduate Admissions:**

Admissions to UG programme offering B. E. degree are governed by the rules, regulation and norms prescribed by Centralized Admission Process (CAP) of DTE through the following two categories:

**Category 1:**

Admission for UG Engineering Programmes: Eligibility will be a Pass in 12<sup>th</sup> examination and qualifying Common Entrance Test (CET) / Joint Entrance Examination (JEE). DTE, Mumbai has a set of standard regulations for admission of students to various colleges/branches. The detailed procedure is as follows:

- Issue of notification- published in the leading Newspaper and websites: <http://www.dte.org.in>.
- Availability of online prospectus and applications.
- Filling of Online Application Form for Centralized Admission Process (CAP) to Engineering/Technology by eligible candidates.



- Conducting the Common Entrance Test (CET) by DTE, Mumbai and Joints Entrance Examinations (JEE) by CBSE and publishing their results.
- Publishing counseling dates and schedule on the websites as well as in newspapers. Document Verification & Confirmation of Online Application form at Application Form Receipt Centers known as Facilitation Centers (FCs).
- Display of Provisional Merit List of candidates who have confirmed the online Application Form on website: [www.dtemaharashtra.gov.in/fe2014](http://www.dtemaharashtra.gov.in/fe2014).
- Submission of Grievances (if any) at FC.
- Display of Final Merit List of candidates on website.
- Filling and Confirmation of Option form for Round I by candidate through his/her Login.
- Display of Allotment of CAP Round I on website.
- Reporting to respective Institutes as per allotment of CAP Round I.
- Filling of Online Option Form for CAP Round II by candidate through his/her Login.
- Confirmation of Option form for Round II by candidate through his/her Login.
- Display of Allotment of CAP Round II on website.
- Reporting to respective Institutes as per allotment of CAP Round II.
- Filling of Online Option Form for CAP Round III by candidate through his/her Login.
- Display of Allotment of CAP Round III on website.
- CAP Round IV by counseling and reporting to respective Institute.

**Category 2:**

Direct admission to second year of UG programme for Diploma passed students.

There is a provision for Diploma holders for admission in the second year of the B. E. Program under lateral entry scheme. The admission is based on the marks obtained in Diploma examinations conducted by Maharashtra State Board of Technical Education(MS-BTE). These admissions are also regulated& governed by Centralized Admission Process (CAP), DTE Mumbai. The detailed information of the same is also available on the website:  
<http://www.dte.org.in>.

**Branch Transfer:**

The branch transfer to second year of a particular branch is facilitated by the college as per the norms and regulations stipulated by DTE, Mumbai and University of Mumbai for the eligible and deserving students, in case there is vacancy due to dropout students in the first year examinations or due to vacancy in First Year Admissions. There are basically two categories of Branch transfers facilitated in the System namely a) within the home University and b) from other Universities. The vacancies available in each branch are published on notice board for students after publications of first year results and availability of mark sheets. The same information is also forwarded to the Admission Section, DTE, Mumbai. A special authorized officers committee (SAOC) comprising of principal and Sr. Faculty members is formed for the same. After scrutinizing of the received applications by the SAOC they formulate department wise merit list for the eligible students as per the governing rules and regulations for Branch

---



Transfer Process.. The rules & regulations followed for the branch transfer are also made available on the college website <http://www.dmce.ac.in>

**Post Graduate Admissions:**

Admissions to PG programme offering M. E. degree are governed by the rules, regulation and norms prescribed by Centralized Admission Process (CAP) of DTE, Mumbai and University of Mumbai. The detailed steps to be followed for the same are listed below:

Filling up and submission of “Online Application form” provided on the website <http://www.dtemaharashtra.gov.in> and Document verification and in person confirmation of application form at ARC/FC for GATE appeared candidates (sponsored/Non-sponsored category)

- Declaration of Provisional merit lists for all GATE appeared candidates. (Sponsored and Non-sponsored)
- Submission of grievance applications, if any, at ARC / FC
- Display of Final Merit Lists on website [http:// www. dtemaharashtra.gov.in](http://www.dtemaharashtra.gov.in)
- Display of Institute wise Seat Distribution for Round I (Sponsored/Non sponsored& NRI)
- Online Submission and Confirmation of Option form for CAP Round I by all GATE (Sponsored and Non-sponsored) candidates
- Revised Allotment of Sponsored/Non Sponsored category seats to candidates (Round 1)
- Reporting and Securing Admission by the Sponsored/Non-Sponsored candidates and at the revised allotted institutes.
- Online Submission and Confirmation of Option form for CAP Round II by all GATE (Sponsored and Non-sponsored),
- Allotment of Sponsored/Non-Sponsored category seats to candidates (Round II)
- Reporting and Securing Admission by the Sponsored/Non-Sponsored candidates at the allotted institutes.
- Display of Institute wise vacant seats for CAP Round III by Counseling arisen due to non-reporting/non-allotment of CAP Round II
- Round of admission by counseling (CAP Round-III) in person at DTE specified CAP center
- Reporting to the institute as per allotment in Counseling Round (CAP Round-III)
- In case of vacancy due to non-availability of sponsored and non-sponsored category candidates, college authorities release an advertisement seeking admission in M.E. Programmes. The sub-committee of Admission Cell including Principal, HODs and Senior faculty members select the candidate based on merit.

**Ph. D. Admission:**

Admissions to Ph. D. programmes are carried out as per the rules and regulations stipulated by University of Mumbai for regular students (PET / GATE Qualified). Institute follows the guidelines provided by University of Mumbai in Circular No. 441 of 2005, as per Ordinance 5473, 5474,5476, 5478, 5480 and 5482 for PhD degree course in various subjects of technology.

---



**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

Our focus and aim is to contribute towards the all-round development of the students which is facilitated by our excellent Human Resource & world class infrastructures in heart of the city, thereby enlisting our institute amongst the **Elite** institutes in Navi Mumbai. Our perseverance towards maintaining high academic standards have resulted in 65% -70% of campus placements, thereby enhancing the employability of fresh young engineers.

The details of maximum and minimum marks of students admitted in various branches as per category are provided in Table 2.1, 2.2, 2.3 and 2.4.

**Table 2.1 UG Admission Details.**  
(For all branches including second shift)

Sr. No.	UG Programme	Year of Admission	Max. Marks of Admitted Students		Min. Marks of Admitted Students	
			CET	AIEEE	CET	AIEEE
01	Civil Engineering	2013-14	148	130	73	93
		2014-15 JEE (Composite)	95.24		60.93	
		2015-16 JEE (Composite)	94.97		48.29	
		2016-17	136		100	
02	Civil Engineering (Second Shift)	2013-14	123	97	53	75
		2014-15 JEE (Composite)	85.16		57.64	
		2015-16 JEE (Composite)	84.11		57.37	
		2016-17	116		100	
03	Chemical Engineering	2013-14	135	111	54	65
		2014-15 JEE (Composite)	99.29		49.23	
		2015-16 JEE (Composite)	93.23		29.55	
		2016-17	126		105	



04	Computer Engineering	2013-14	140	122	78	87
		2014-15 JEE (Composite)	92.77		55.49	
		2015-16 JEE (Composite)	92.52		57.66	
		2016-17	138		114	
05	Information Technology	2013-14	141	100	59	75
		2014-15 JEE (Composite)	87.33		49.86	
		2015-16 JEE (Composite)	85.91		52.83	
		2016-17	117		105	
06	Electronics Engineering	2013-14	131	102	54	65
		2014-15 JEE (Composite)	81.86		56.02	
		2015-16 JEE (Composite)	91.82		34.17	
		2016-17	110		79	
07	Mechanical Engineering	2013-14	155	154	99	146
		2014-15 JEE (Composite)	96.67		76.08	
		2015-16 JEE (Composite)	95.66		74.18	
		2016-17	150		128	

Table 2.2 UG Program (Direct 2<sup>nd</sup> year) Admission Details.  
(for all branches including second shift)

Sr. No.	(2 <sup>nd</sup> Year) UG Programme	Year of Admission	Max. Marks of Admitted Students	Min. Marks of Admitted Students
01	Civil Engineering	2013-14	89.38	84.62
		2014-15	90.08	86
		2015-16	90.69	85.7
		2016-17	92.3	85.71
02	Civil Engineering (Second Shift)	2013-14	-	-
		2014-15	86.59	80.79
		2015-16	86.06	81.92
		2016-17	88.97	83.45
03	Chemical Engineering	2013-14	83.15	76.8
		2014-15	89.65	63.71
		2015-16	76.79	59.21
		2016-17	74.97	71.92



04	Computer Engineering	2013-14	87.29	78.26
		2014-15	79.42	76.77
		2015-16	89.75	78.13
		2016-17	83.56	77.71
05	Information Technology	2013-14	81.81	77.81
		2014-15	76.38	73.19
		2015-16	77.53	72.63
		2016-17	80.82	74.87
06	Electronics Engineering	2013-14	85.26	75.55
		2014-15	77.03	70.19
		2015-16	86.01	51.71
		2016-17	83.45	57.09
07	Mechanical Engineering	2013-14	88	81.12
		2014-15	87.81	81.1
		2015-16	89.88	83.56
		2016-17	90.18	77.19
08	Information Technology (Direct 2 <sup>nd</sup> Yr intake- 60)	2013-14	80.3	72.25
		2014-15	76.5	71.23
		2015-16	77	67.41
		2016-17	85	70.88
09	Mechanical Engineering (Direct 2 <sup>nd</sup> Yr intake- 60)	2013-14	89	78.33
		2014-15	87.52	73.94
		2015-16	87.13	75.06
		2016-17	86.18	71.06

**Table: 2.3 PG Admission Details.**

(for all branches)

Sr. No.	PG Programme	Year of Admission	Max. Marks of Admitted Students	Min. Marks of Admitted Students
01	Civil Engineering	2013-14	79 (Degree %)	62 (degree %)
		2014-15	472 (Gate)	5.56 (Gate)
		2015-16	393(Gate)	0.82 (Gate)
		2016-17	367(Gate)	0.62 (Gate)
04	Computer Engineering	2013-14	75.26 (Degree %)	54 (Degree %)
		2014-15	319 (Gate)	1.51 (Gate)
		2015-16	271 (Gate)	5.48 (Gate)
		2016-17	11.26 (Gate)	11.26 (Gate)
06	Electronics & Telecommunication Engineering	2013-14	72.2 (Degree %)	61.2 (Degree %)
		2014-15	24.33 (Gate)	2.67 (Gate)
		2015-16	302 (Gate)	11.45 (Gate)
		2016-17	17.96 (Gate)	2.54 (Gate)



07	Mechanical Engineering	2013-14	71.14 (Degree %)	58.4 (Degree %)
		2014-15	380 (Gate)	7.7 (Gate)
		2015-16	264 (Gate)	2.4 (Gate)
		2016-17	259 (Gate)	259 (Gate)

**Table2.4 Ph.D. Program Admission Details.**

(for all branches)

Sr. No.	Ph. D. Programme	Year of	Max. Marks of Admitted Students	Min. Marks of Admitted Students
01	Civil Engineering	2012-13	77%	55.47%
		2013-14	83%	58.97%
		2014-15	-	-
		2015-16	75.94%	-
		2016-17	78.5%	74.16%
02	Computer Engineering	2013-14	81.5%	65.93%
		2014-15	-	-
		2015-16	78.75%	70%
		2016-17	79%	68%
03	Mechanical Engineering	2013-14	79%	60%
		2014-15	-	-
		2015-16	71.52%	67.05%
		2016-17	56%	-

Comparing the current statewide trend in engineering degree college admissions which is on the decline, our institute was still able to admit almost 100% students in all branches during the last four years for the institutional level quota as well as the CAP level quota.

#### **2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?**

Yes, the institute has a mechanism to review the admission process and student profile annually. As mandated by the Government of Maharashtra, the institute follows the rules & regulations framed by DTE, Mumbai for the purpose of admission in various Degree Engineering programmes(UG, PG &Ph. D.). Hence the admission process cannot be amended by the institution but after the first year & direct second year admissions conducted through CAP, the Institute reviews the students profile of the fresh admitted students. Along with the review of the fresh admitted students, we also review the profile of students admitted to the subsequent years



of their degree program. These profiles are presented & discussed in SAOC meetings on an annual basis so as to lay an emphasis on the criteria & approach to be adopted by the institute to attract high caliber students. Same methodology is implemented every year.

All the academic, learning information, placement news, results & the excellence achieved by the students is made available time to time on the college website.

The review of student profiles enables the various departments to schedule the following activities:

- The extra sessions are conducted for the weak students thereby boosting their morale and knowledge base.
- The review of the fresher student profiles facilitates the creation of various students groups who are encouraged to be associated with the varied activities like sports, culture, literature, social or technical bodies like CSI, IEEE, ISA, IETE, ISTE, ITSA, etc. Senior student members of various professional bodies also play a very positive role in accommodating the fresher students to their group.
- Various Short term programs, seminars, workshops are planned and executed throughout the four year degree program. These programs are designed keeping in mind various aspects & orientation of the students and cater to the enhancement of inter personal skills, professionalism, stress handling capacity, adaptability with current technology, employability index of students.
- Industry giants like Tata Consultancy Services (TCS), INFOSYS, Capgemini, L&T Infotech Ltd, DSK Designs Ltd, Reliance JIO, conduct technology enhancement sessions regularly to make our students industry ready.
- The students are regularly updated and apprised of their performance by the assigned mentors. These feedbacks help them in understanding their weakness and utilize their strengths to face various challenges in their work life. Further, their parents are also informed on regular basis by class counselors about the performance and progress of their wards in each semester on regular basis.

With above stated proactive measures, awareness is spread among the prospective students and their Parents which in-turn motivates them to take admission at DMCE. This review mechanism also helped us in opening up of a communication channel between the Students, their Parents and the Institute, thereby ensuring the continuous enhancement in the all-round abilities of admitted students. These measures initiated have resulted in the admission of high caliber students, also ensuring steady and continuous development of our students. The above processes leads to students bagging better opportunities in well-established national & international organizations after completion of their degree program.

**2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.**

---



- SC/ST
- OBC
- Women
- Differently abled
- Economically weaker sections
- Minority community
- Any other

Admissions are done as per Government of Maharashtra reservations policies prevailing at the time of admission.

- Separate counseling sessions are conducted for OBC/SC/ST students with different cut off marks. Details regarding schemes of Government for financial assistance to such students also are explained.
- As per Government admission rules certain fixed percentage of quota is reserved for girl students in every branch of the college. Further, there is a women Grievances redressal cell headed by a lady and a suggestion/complaint box is provided in the campus to deal with any shortcomings/complaints in this regard.
- Special counseling sessions are conducted for the persons with physical disabilities and also for those who are outstanding achievers in sports and extracurricular activities.
- Economically weaker section students are given counseling regarding various government schemes of financial assistance and also about the bank loan facility which is available from nationalized bank to aid them for higher education.
- There is a special quota for the candidates of Jammu and Kashmir as per DTE norms.
- Tuition Fee Waiver Scheme (TFWS) for the students is in practice as per AICTE norms.
- DMCE conducts regular weakness removal classes and enrichment courses and also value added courses based on analysis of students admitted. Owing to proactive measures adopted by the institute, the prospective students belonging to weaker sections take admission since they are assured of corrective measures adopted by DMCE.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.**

Details of the various programs offered by the institution during the last four years with comments are tabulated below.

**Table 2.5 The details of various programs offered by the institute.**

(for all branches including second shift)

<b>Program</b>	<b>Branch</b>	<b>No. of Applications</b>	<b>No. of students Admitted</b>			
			<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
UG	Civil Engg. (Shift I)	Admission Process carried out by Institute is as per norms of Government and students are admitted as per their allocation after CAP rounds	117	123	119	125
	Chemical Engg.		43	54	49	56
	Computer Engg.		114	114	115	119
	Information Tech.		54	54+83 (Dir 2 <sup>nd</sup> Yr)	48+58 (Dir 2 <sup>nd</sup> Yr)	56+60 (Dir 2 <sup>nd</sup> Yr)
	Electronics Engg.		70	83	78	113
	Mechanical Engg.		50	61	52	57
	Civil Engg. (Shift II)		49	52	47	60
<b>Program</b>	<b>Branch</b>	<b>No. of Applications</b>	<b>No. of students Admitted</b>			
			<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
PG	Civil	Online Admission Process by CAP	18	18	18	18
	Computer		1	15	17	18
	Electronics		5	7	18	18
	Mechanical		1	5	10	15
<b>Program</b>	<b>Branch</b>	<b>No. of Applications</b>	<b>No. of students Admitted</b>			
			<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Ph. D.	Civil	As per MU Guidelines	3	1	0	4
	Mechanical		1	3	0	5
	Computer		2	5	0	9



DMCE conducts several Value added, Employment and Skill oriented courses each semester for the benefit of students to overcome their shortcomings if any, as well as to bridge the gap between the Corporate Expectations and the Fresh Academic UG/PG pass outs. These courses are aimed at Students exhibiting Professionalism in their approach and focusing on the deliverables in the Professional Corporate World right from day 1. The details of the value added courses and Skill development courses are covered in criterion 1. A mix of both are presented here in table 2.6 for reference:

**Table 2.6: The details of value added courses are shown below  
(for all branches including second shift)**

Sr. No.	Branch	Value Added Courses: Name of the Course	Conducted by	Year
1	Computer Engg.	Three days' workshop on Hands-on Limux	Department of Computer & IT	2016
2		Network Security and Ethical Hacking	Department of Computer & IT	2016
3		Ex Students Career Guidance	Abhishek Juneja, Aditi Singh, PritamBhangale, Prashant Khisty	2016
4		python Seminar	DhananjayPandit	2016
5		Guest Lecture	Mr. Rahul kulkarni Ex google,Founder Early Stage social Enterprise	2016
6		Fundamentals of C/ Java	CDAC (Mr.Amit Singh)	2015
7		Sixth Sense Technology	Technophillic Systems Pvt.Ltd	2014
8		Android Development	Eduonix	2014
9		Aptitude Tests for TE	CMC	2014
10		Seminar On Big Data	Department of Computer	2014
11		PHP Mysql	Karrox	2014
12	Electronics Engg.	Tech. Tree Program on Embedded System & IOT (Proposed)	Department of Electronics Engg.	2017
13		System Design Development	Department of Electronics Engg.	2017
14		Lab Development for Embedded System Design (RTOS)	Department of Electronics Engg.	2016



15	Information Tech.	Lab Development for Embedded System Design (RTOS)	Department of Electronics Engg	2016
16		PCB Making (students skill Development Program)	Department of Electronics Engg	2016
17		Effective Handling & use of Electronic Instruments	Department of Electronics Engg.	2015
18	Information Tech.	CyberSecurity & Ethical Hacking	Mr. Vijay Chaudhari , Lobas Ingale &Team(TECHNOTRONICS GLOBAL SECURITY SOLUTION PVT LTD,Turbhe)	2017
19		HACKETHON 2017	Prof. Kevin Patel (IIT Mumbai)	2017
20		EFFECTIVE COMMUNICATION GUIDANCE FOR TEACHERS	Ms.Swatha (DMCE)	2016
21		HANDS ON LATIX	Mrs.Priyanka Dhuliya(DMCE)	2016
22		Core Java(Logic Development)	Mrs.Priyanka Dhuliya Mrs.Aparna B. Mrs. Anita M, Mrs.Neha T, Mrs. Shila J	2016
23		Goals in Life	Sadhu Amrutvadandas BAPS Swaminarayan Mandir,	2016



24	Mechanic al Engg.	Core Java(Logic Development)	Mrs.Priyanka Dhuliya Mrs.Aparna B. Mrs. Anita M, Mrs.Neha T, Mrs. Shila J	2015
25		Hands on Linux	Navendu Mishra	2016
26		Network Security and Ethical Hacking	Prof Dayanand Ambavade (SPIT ANDHERI)	2015
27		Core Java(Logic Development)	Mrs.Priyanka Dhuliya Mrs.Aparna B. Mrs. Anita Mhatre, Mrs.Neha Thakur, Mrs. Seema Nehete	2014
28	Mechanic al Engg.	One Day Workshop on “Engine Management Systems” conducted by IDEABOX Technical solution.	Department of Mechanical Engg.	2016
29		Two Day Workshop on “Hand Gesture control devices” conducted by IIT – Madras & CODEX Design under SHAASTRA 2016.	Department of Mechanical Engg.	2016
30		Automotive Engine Repair Technology (AERT).	Department of Mechanical Engg.	
31		Workshop on “Fuel Cell Technology and Hybrid cars”	Department of Mechanical Engg.	
32		Workshop on “Carbon Credits”	Department of Mechanical Engg.	



33		Workshop on “Hybrid Vehicles and Renewable Energy”	Department of Mechanical Engg.	
34		Seminar on “Power plant Engg. And Economic Energy Buildings”	Department of Mechanical Engg.	
35		Workshop on “Ornithopter”	Department of Mechanical Engg.	
36		Workshop on “2 Stroke and 4 Stroke I.C. Engine”	Department of Mechanical Engg.	
37		Workshop on “Product Design” By, Dr. S. N. Jagtap	Department of Mechanical Engg.	
38		National Conference on Recent Trends in Mechanical Engineering	Department of Mechanical Engg.	
39		STTP on “Trends in Computer Networking”	Department of Mechanical Engg.	
40		Seminar on “3D Printing”	Department of Mechanical Engg.	
41		Weekly Technical Quiz for B.E Mechanical Students.	Department of Mechanical Engg.	
42		Weekly Technical Quiz for T.E Mechanical Students.	Department of Mechanical Engg.	
43	Civil Engg.	A One Week Short Term Course on <b>“Recent Advances In The Field Of Transportation Engineering And Infrastructure Development”</b>	<b>Dr .C.H. Solanki</b> Professor, AMD SVNIT Surat, <b>Dr. Chetan Patel</b> , Mr. Mohan Dagaonkar – Chief Engg- NMMC, Mr. Soma Vijay Kumar (CIDCO)	2016



		PRIMAVERA	Dept. of Civil Engg	2016
44		A Short Term Training Programme on: <b>Application of STAAD in Civil Engineering</b>	<b>Mr. Hemant Vadalkar</b> STAAD Centre, Thane, Mumbai.	2015
45		A One Week Short Term Course on: <b>Recent Advances in Structural and Geotechnical Engineering</b>	<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay, <b>Dr. G. R. Dodagoudar</b> Professor, IIT Madras, <b>Dr. R. D. Satish Kumar</b> Professor, IIT Madras, <b>Dr. L. M. Gupta</b> Professor, VNIT Nagpur, <b>Dr. Ratnesh Kumar</b> , Assistant Professor, AMD, VNIT, Nagpur, <b>Dr. Sharbani Adhikary</b> Assistant Professor, AMD, VNIT, Nagpur	2015
46		Two Days' International (Speaker) Training Course on: <b>Introduction to Geosynthetics and Ground Engineering</b>	<b>Dr. Sanjay Kumar Shukla</b> (Edith Cowan University, Perth, Australia), <b>Dr. V. A. Sawant</b> Associate Professor, CED, IIT, Roorkee	2015



47	A One Day Workshop on:  <b>Geotechnical Earthquake Engineering, Seismic Retrofitting and Vulnerability Assessment (GEESRAVA)</b>	<b>Dr. G. R. Dodagoudar</b> Professor, IIT Madras , <b>Dr. H. S. Patil</b> Professor, AMD SVNIT Surat, <b>Dr. Ratnesh Kumar</b> , Assistant Professor, AMD, VNIT, Nagpur,	2015
48	A Three Days' Short Term Course (STC) on:  <b>Structural Dynamics and Seismic Design of High Rise Buildings</b>	<b>Dr. R .K. Ingle</b> , Professor, AMD VNIT Nagpur, <b>Dr. Ratnesh Kumar</b> , Assistant Professor, AMD, VNIT, Nagpur, <b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay, <b>Dr. V. A. Sawant</b> Associate Professor, CED, IIT, Roorkee	2015
49	A Three Days' Short Term Course (STC) on:  <b>Structural Dynamics and Seismic Design of High Rise Buildings</b>	<b>Dr. R .K. Ingle</b> , Professor, AMD VNIT Nagpur, <b>Dr. Ratnesh Kumar</b> , Assistant Professor, AMD, VNIT, Nagpur, <b>Dr. D. M. Dewaikar</b> Professor Emeritus,	2015



		CED, IIT Bombay, <b>Dr. V. A. Sawant</b> Associate Professor, CED, IIT, Roorkee	
50	A One Day Workshop on:  <b>Finite Element Method with Application in Civil Engineering</b>	<b>Dr. Yogesh M. Desai,</b> J.K. and M.J. Mehta Chair Professor of Structural Engineering CED, IIT Bombay	2015
51	A One Week Short Term Training Programme on:  <b>Applications of Mathematical Modeling, Numerical techniques and soft Computing Tools in Civil Engineering</b>	<b>Dr. H. S. Patil</b> Professor, AMD SVNIT Surat, <b>Dr. D. M. Dweikar</b> Professor Emeritus, CED, IIT Bombay, <b>Dr. R .K. Ingle,</b> Professor, AMD VNIT Nagpur, <b>Dr. J. N. Mandal</b> Professor, IIT Bombay,, <b>Dr .C.H. Solanki</b> Professor, AMD SVNIT Surat, <b>Dr. S .B. Charhate</b> Professor, HOC Pillai CET, Rasayani, <b>Dr. R. B. Magar</b> Professor, AIKTC, Panvel	2014



52	A One Week Short Term Training Programme on:  <b>Recent Developments in Infrastructure Field (RDIF-2012)</b>	<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay, <b>Dr. A. R. Katti</b> Professor, (DMCE), <b>Mr. V. B. Ashtankar</b> , MCGM, Mumbai, <b>Mr. Vijay Kamble</b> Superintending Engineer, CIDCO, <b>Mr. Mohan Dagaokar</b> City Engineer, NMMC, <b>Dr. J. N. Mandal</b> , Professor, CED, IIT Bombay, <b>Mr. Cyrus M. Dordi</b> Ambuja Cement, Mumbai.	2013
53	A One Day Workshop on:  <b>Recent Advances in Civil Engineering (RACE-2012)</b>	<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay,, <b>Dr. C. H. Solanki</b> Professor, (SVNIT Surat),, <b>Dr. S .B. Charhate</b> Professor, HOC Pillai CET, Rasayni, <b>Mr. Soma Vijay Kumar</b> (CIDCO), <b>Mr. V. B. Ashtankar</b> , MCGM, Mumbai	2012



			<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay, <b>Dr. V. A. Sawant</b> Associate Professor, CED, IIT, Roorkee , Dr. S. N. Londhe, (VIT Pune), Dr. A. R. Katti Professor, (DMCE), <b>Mr. Soma Vijay Kumar</b> (CIDCO)	
54		A One Day Workshop on:  <b>Advances in Civil Engineering and Infrastructure and Development (ACEID-2009)</b>		2009
55	CHEMICAL ENGINEERING	Two days STTP on Advances in Piping Engineering-“APE-2017” for students	1. Anand Joshi Assistant Professor Mechanical Engineering Department DMCE Airoli 2. Prashant Ingole Assistant Professor Chemical Engineering Department DMCE Airoli 3. Mr. Abhijeet Salokhe, Head Piping Division B&V 4. Mr. Kiran Pundare Energy Consultant 5. Mr. Milind Natakar, Process Consultant ICB Technimont, Malad	2017



56	Outstanding young Chemical Engineer Blastcarbo Blocks Thyssenkrupp Award 2016	1. Dr. Jyotirmoy Banerjee, Group Head – Human Resource for KazStroy Service. 2. Mr. N. Rammohan Associate Director, NPCIL BARC 3. Dr. Vijay G. Habbu Senior Vice President Head, Research, Technology & Sustainability Assurance Polyester Sector Reliance Industries Ltd. 4. Mr. K.S. Rao Executive Director Sales, ThyssenKrupp Industrial Solution (INDIA) 5. Mr. Sushil Kumar, President- GMS Reliance Industries Ltd. 6. Mr. P.K.Saxena, MD and CEO Blast Carbo blocks	2016
57	Industry Institution Interaction and what after engineering.	Dr. Kausubh S Majumdar, Deputy Manager, Toyo Technology Center and Anys Software pvt Ltd	2016



58	Scope and upcoming trends of Chemical Engineering	Mr. Sridhar Chitanvis, Sr. GM Aker Solutions	2015
59	Basics of Fluid Mechanics	Prof B.S.Pani IITB Civil Engineering Department	2012
60	Role of Process Engineers	Petrochem Infra	2012
61	Outstanding young Chemical Engineer Blastarbo Blocks Thyssenkrupp Award 2012	1. Mr. Sanjay Joshi, MD Aker Solutions. 2. Mr. Samudra, MD Uhde India 3. Mr. P.K.Saxena, MD Blast Carbo blocks	2012
62	Unisem Design Suite Training Course	1. Mr. Mayur Agarwal, Business Development Consultant APAC Advanced Solution Consulting 2. Mr. P. Janardhan, Consultant Advanced Solution Honeywell Process Solution.	2012
63	Corrosion failures in industrial equipments, phenomenon, forms, case studies and prevention	Dr. K. Elaya Perumal	2011

Since India is in the mid phase of Infrastructure Development revolution, there is a lot of scope for Civil Engineering Students at UG, PG and Ph.D Levels. Hence the Institute has added the 2<sup>nd</sup> Shift of UG, PG and Ph.D programmes along with the regular UG Programme in Civil Engineering. Similarly, Mechanical Engineering , being a Core Engineering Field, the Institute has doubled the intake capacity at the UG Level and further added PG and Ph.D Programs in a step by step manner. The Industrial hub around Mumbai have increased the demand for fresh employable Mechanical Engineers.

The past decade has been privy to the technological revolution in the fields of Information Technology &Electronics and Telecommunication. Also there is an established Software and IT

---



hub around Mumbai whose manpower requirement is very high. Hence to keep up with the fast evolving technology and to match the high manpower requirement, we have doubled the intake capacity of Electronics Engineering, Computer Technology and Information Technology at the UG level and added PG courses in Electronics & Telecommunication and Computer Technology. Further, to enrich the future Research, the Institute has added the Ph.D Programme in Compter Technology.

All this expansion in terms of the enhancement of intake capacity, addition of PG and Ph.D. Programmes have been properly planned and executed in multiples phases in a step by step manner.

## **2.2 Catering to Student Diversity**

### **2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

- The institute is fully adhering to government policies regarding the needs of differently-abled students (As per the Mumbai University Circular: URL:<http://www.mu.ac.in/coebenefit102.pdf>: No. Exam/COE/Benefit/102 of 2012).
- The institute caters to the needs of differently-abled (permanent and temporary disability) students as per the requirements of the individual student. In addition, the institute makes special arrangements for these students in midterm and university examination as per the University of Mumbai guidelines. Attendant help is provided as on demand.
- Special arrangements are in place with reputed Doctors to attend to any urgent requirement at our Institute. we have the medical facilities in the form of First Aid Box, stretchers, wheelchairs and other paramedical equipments.
- Class counselors and members of Women's Grievance Redressal Cell ensure adherence to policies for differently-abled students.

### **2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.**

- As explained in point 2.1.4, the admissions to UG and PG are totally governed, regulated and facilitated by MS-DTE, the Admission controlling Authority in the State of Maharashtra. State Merit List is drawn by MS-DTE based on the marks obtained by candidates in the Joint Entrance Examination (JEE) for those students who have qualified 12th board Examinations. The Institute assesses the admitted students based on their scores in JEE and 12th Board in following ways:
- The score in JEE and the 12th Board Examinations helps us in estimating the Caliber of the newly admitted candidates, thereby facilitating the entry-level analysis.
- Institute organizes orientation programme for newly admitted students and their parents to help them understand the engineering curriculum. The Orientation programme involves subject-wise discussion lead by the respective teachers so that the newly



admitted students understands the importance the subjects and its relevance in engineering curriculum.

- Class teachers and Subject teachers are assigned to each class who have a collective responsibility to assess the students strengths and weaknesses, their technical aptitude and basic knowledge Skills. They identify weaker students who need extra tutoring, mentoring to facilitate the path of their progress. Special mentors are assigned to such students from the set of teachers associated, who tend to the various needs of these weaker students like arranging special doubt clearing and weakness removal classes, etc.
- Similarly, the teachers associated with the respective class identify fast learners and assigns specials mentors for them, who explores the multitasking potential of such students. He assigns various multitasking activities to these students by way of including them under various technical and non-Technical Forums as per the interest and skill-set exhibited by the students.
- The remaining set of students of the class is also assigned special mentors, who motivates these students in all aspects and ensures timely guidance to each and every one of them at time of their need. Special lectures are held for improving the confidence in oral and written communication amongst students especially from rural/vernacular background.
- Special dedicated qualified Counselors are arranged by our institute from time to time to address the common issues of Exam Stress, Time Management, Personality Development, Motivation and other Youth related issues. Counselors hold monthly meeting or as and when students call for advice and provide counseling on personal as well as professional matters.

### **2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?**

- The institute takes multiple efforts for enabling the students to improve their knowledge base, so as to help them cope up with the programme of their choice. Few of the measures have already been discussed in the above points. The strategies adopted by the institution are listed as follows:
- As mentioned in point no. 2.2.2, the institute organizes a Student orientation programme for newly admitted students and their parents to understand the engineering curriculum of first year at the beginning of the First Academic Session of Engineering Programmes.
- During orientation programmes students group associations and Head of Departments, concerned faculty apprise incoming students about opportunities available in their Professional fields, and qualities that one should imbibe so as to develop into a professional with all-round leadership quality.
- Class teachers and Subject teachers are assigned to each class assess the students strengths and weaknesses, their technical aptitude and basic knowledge Skills. They identify weaker students who need extra tutoring, mentoring to facilitate the path of their progress. Special mentors are assigned to such students from the set of teachers



associated, who tend to their various needs like arranging special doubt clearing and weakness removal classes, etc.

- Incoming students, based on their interest can select one of the technical societies such as, for acquiring additional technical and related professional skills.
- Students are also encouraged to be a member of their respective Association Forums like SOCHE, CATT, EESA, GITS, ACES, FOMES and technical bodies like CSI, IEEE, ISA, IETE, ISTE, ITSA, etc which provides ample opportunities to one and all, that aides the transformation into a thorough Professional with better soft skills, communication, Presentation and a go-getting attitude. Especially students from rural and vernacular mediums get a good exposure while participating in the multiple events hosted by these associations.
- The above learnings in Soft-skills, presentation skills, Group-discussion and Aptitude skills and Interview Skills are further fine-tuned through trainings and workshops conducted by external experts on a regular basis.
- The institute also arranges technical workshops, seminars and add-on courses in collaboration with Corporates and Industries, such as Tata Consultancy Services (TCS), INFOSYS, Capgemini, L&T Infotech Ltd, DSK Designs Ltd, Reliance JIO

#### **2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc**

- One of the basic underlining policies practiced by the Management of our Institution is to maintain equality at all levels, thereby offering no preferential treatment based on ones Gender, Caste, Creed, or religion. They have exhibited the dignity of labour at all levels. Accordingly, these principles and practices have percolated from top level to bottom level of the workforce at DMCE. Hence, an environment of Equality is seen in the atmosphere of DMCE. There is no distinction made between Male or Female Staff, all the responsibilities are equally shared by our Staff. The same is encouraged by our staff amongst our students too, thereby meeting the secular objectives followed by DMCE administration.
- College Women's Development Cell(CWDC) & Grievance and Redressal Cell (GRC) have been in place to ensure that all the secular objectives are followed and practiced in principle. Our Active CWDC is empowered to highlight any issues faced by our women employees and female students and act on it so as to formulate an everlasting proper solution, inturn benefitting our women employees and students. Over and above, any student or staff grievances are addressed by GRC so as to find an amicable solution for the same.



- Additional Academic help and skill development sessions provided for the weaker students instills a sense of duty towards upliftment of the downtrodden and the needy among the student fraternity.
- Blood donation camp is regularly organized by DMCE. In addition various social awareness campaigns and programmes are undertaken by our students associations. These programmes and campaigns are aimed at social inclusion and education of the underprivileged.
- Seminars are conducted on Women Empowerment and their rights in society. Special Health and Life Skills Sessions like Yoga sessions are regularly facilitated through our students Associations to keep our young budding Engineers in good health and active on high morals. 21<sup>st</sup> June is being celebrated as the YOGA Day in our Institute by the staff and students.
- DMCE also conducts various programmes like self defense programs and workshops, women centric entrepreneurship programmes and Seminars once in semester on Women's Day.

#### **2.2.5 How does the institution identify and respond to special educational /learning needs of advanced learners?**

- Further to the points referred in point no. 2.2.2, the Class Teachers, Subject Teachers, the mentors and the Counselors associated with the Students meet in each semester to discuss and draw an updated list of Fast Learners, Normal Learners and Students who may drop out. This revised list is based on the feedback provided in the discussion about the Student Performance, Class Test, Previous Semester's Result, their Practical Skills, Problem Solving Skills and various initiatives taken by these students on their own.
- The Heads of the departments takes extra care in assigning senior faculty members as mentors for the Fast and advanced Learners, thereby ensuring that these students are guided towards Academic Excellence.
- The mentors and teachers associated with these Advanced Learners encourage these students to present Technical Papers in National and International Level Conferences and Technical Festivals.



- These advanced Learners can make use of the in-house Platforms given to them in the form of Workshops, Conferences and Technical Competitions arranged by our Institute from time to time.
- Expert Guest Faculty from both Academia and Industries are invited to share their expertise on specific domains. The Advance Learners get an opportunity to learn and identify practical real time issues and work towards some effective innovative solutions.
- Further these Students are allotted some real innovative Projects which require out of the box thinking and analysis under the guidance of our Senior Faculty members.
- Special sessions are also arranged by the Heads towards encouraging these students to take the various competitive and Services Examinations like the GATE, IES, CAT, etc. The students are guided by our Senior faculty members and external experts from time to time. These students are further fine-tuned in their Soft Skills too at regular intervals through Soft-Skills Training Workshops and Seminars, arranged by our Institute.

**2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

- As mentioned in the above point, the Class Teachers, Subject Teachers, the mentors and the Counselors associated with the Students meet in each semester to discuss and draw an updated list of Fast Learners, Normal Learners and Students at the risk of drop out based on the feedback provided in the discussion about the Student Performance, Class Tests, Previous exam's Result, their nature and attitude, their Practical Skills and Problem Solving Skills.
- The Institute adopts a sympathetic approach towards such students who are assessed as Slow Learners or are at the verge of dropping from the Programmes. All such students are given extra attention and care by the subject teachers. Simplified Learning materials in the form of notes, Audio-Video tutorials and Power Point Presentations are made available to these students.
- Parents-Teacher meet is held especially for such slow learning students along with the students with poor attendance twice in each semester wherein parents are updated about their ward's progress and performance. Corrective measures are discussed with them so as to help their ward in improving their performance.



- Attendance of such students is closely monitored by the Class Teachers and in case of continuous low attendance, their parents are intimated through Phone and other technology enabled Communication mediums.

## 2.3 Teaching-Learning Process

### 2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

#### Teaching Process

- Our Institute adheres to all the guidelines given by University of Mumbai from time to time in regards with the teaching, Learning and Evaluation Process. Usually, University of Mumbai provides with an Academic Calendar, which prescribes the number of days available for teaching and Evaluation. Normally in a Sixteen week Semester, twelve weeks are allotted for teaching and Four weeks for Evaluation and related works. The following Strategy is adopted for the implementation and success of Teaching – Learning Process:
- Before the start of each semester, each heads of the department considers the various requirements of the forthcoming semester in terms of the teachers, Laboratory Set-up, Systems software and Library book requirement in consultation with **DL QMC (Department Level Quality Management Cell)**. It is ensured that all the requirements are met before the start of the semester.
- Accordingly, if required, the request for additional Faculty to maintain the Student-Teacher ratio and other requirements are forwarded to the Principal well in advance, who heads the recruitment process and ensures that the Institute meets the required Student-Teacher ratio before the start of Semester.
- **DL QMC** goes through the inspection report pertaining to the existing Equipments, Instruments, Systems and associated Software and decides on the procurement of additional new requirements as required to suffice the proper implementation of the prescribed Syllabus & Curriculum. Procurements, if any, is done through following standard set Process and protocols.
- At the start of each semester, HOD prepares an Academic Calendar on the lines of University's Academic Calendar, incorporating all the amendments made from time to



time by the University Authority to its own Academic Calendar. Further, HOD assigns the responsibility of each activity to the faculty concerned.

- The subject distribution is done by HOD in consultation with **DL QMC**. Faculty in-charge for time-table preparation, after due consultation with counterparts from other departments, comes out with a time table that is followed throughout the semester. Class-Teachers are appointed for each class by the HOD. Also Teacher-Guardians or mentors for a group of fifteen to twenty students each are also allotted at the beginning of each semester. **The above information is displayed on the departmental notice boards as well as made available on DMCE's web portal.**
- The faculty updates the list of Library book requirement for their department. The Librarian co-ordinates with the Library coordinators from each department and completes the Library-Book procurement process and ensures that the Library is up-to-date with all the books in requisite quantity.
- Faculty members prepare their Course files comprising of Syllabus, Teaching Plan, Individual Time Table, Attendance Sheets and other supporting documents.
- HOD along with Class Teachers and **DL QMC** ensures daily implementation of the Time-Table, thereby effecting Quality Academic Delivery. Each faculty keeps an updated record of the lectures conducted for the subject allotted from time to time during the semester as per the followed time-table.
- Course-coverage is regularly monitored by HOD on a weekly basis and wherever, a deviation is observed, the HOD seeks clarification from the faculty member concerned. Special remedial classes are planned and implemented as required to correct the deviation, if any.

### Learning Process

- Students performances are continuously evaluated by way of tutorials, mid semester Tests, attendance during regular and remedial sessions.
- Extra lectures are scheduled to cover the curriculum in more elaborated way if required.
- Subject Teachers and their class teachers regularly counsel the students with poor attendance. The results of the mid semester Test help the Teachers and mentors in identifying the Slow and Fast Learners. Accordingly special considerate measures are taken towards such students as suggested earlier.



- Student defaulter List is prepared twice in a semester based on the students Attendance in Theory and Practical Classes. Parents of such students are called in and are intimated and informed of their ward's poor attendance and performance in Tests.
- Additional Remedial Classes are conducted by the Subject teachers towards the end of the semester if needed, especially for students with poor attendance.
- Revision Theory classes and Practical sessions are conducted by the respective subject teachers if needed, especially for students with poor attendance.
- Continuous assessment of the students is done during the regular practical session and is evaluated accordingly for term-work marks. Submission is taken by the respective teachers towards the end of the semester, subject to the student fulfilling all the requisites for the same.
- The Learning Process is supported and supplemented by extra co-curricular and other activities like holding conferences, workshops or training sessions managed by students themselves under the guidance of senior faculty members.
- UoM examination schedule is displayed on notice board and examinations are conducted as per the university rules and regulations.
- Result analysis is used as a tool to find any scope for further improvement and accordingly corrective measures are adopted subsequently, thereby exhibiting Academic Excellency at the highest level.

### Evaluation Scheme

As per University of Mumbai guidelines, 12 weeks are allotted for Academic delivery and 4 weeks are allotted for Evaluation. The University of Mumbai provides prescribed Evaluation scheme for each Subject of the Course or Programme. As per the University syllabus and curriculum, 3 to 4 hours per week is allocated to each subject. A sample data sheet issued by UoM is as follows:

As per guidelines issued by University of Mumbai for Evaluation System of each individual subject, the parameters vary somewhat in the pattern but the categorization is same and the guidelines are as given below:

- **Internal Assessment (IA):** Two tests must be conducted which should cover at least 80% of syllabus. The average marks of both the tests will be considered for final Internal Assessment.



- **End Semester Examination:** Question paper will comprise of 6 questions, each carrying 20 marks. The students need to solve total 4 questions. Question No.1 will be compulsory and based on entire syllabus. Remaining question (Q.2 to Q.6) will be selected from all the modules.
- **Term Work/ Tutorial:** At least 03 assignments covering entire syllabus must be given during the class wise tutorial. The assignments should be students centric and an attempt should be made to make assignments more meaningful, interesting and innovative. Term work assessment must be based on the overall performance of the student with every assignment graded from time to time. The grades will be converted to marks as per credit and grading system manual and should be added and averaged. Based on above scheme grading and term work assessment should be done.
- **Practicals:** At least 10 experiments covering entire syllabus should be set to have well predefined inference and conclusion. Computation/simulation based experiments are also encouraged. The experiments should be students centric and attempt should be made to make experiments more meaningful, interesting and innovative. These guidelines are followed rigorously.

### **2.3.2 How does IQAC contribute to improve the teaching –learning process?**

The Internal Quality Management System at DMCE is facilitated through **Institute Level - Quality Management Cell (IL-QMC)** which assesses and provides for improvement in the Academic Quality of all the Academic Programmes at DMCE.

**IL-QMC is headed by the Principal, with all the HODs as its members.** The Primary aim of the IL-QMC is to develop a system or actions /activities so as to improve the academic and administrative performance of the institution. The mechanism and procedure of IL-QMC involves:

- Ensuring timely, efficient and progressive performance of academic activities and adherence of time schedule according to the Academic Calendar followed.
- Ensuring relevance and quality of academic and research programmes.
- Guiding the **DL QMC** towards following uniform standards of Quality across all Programmes.
- Optimization and integration of modern methods of teaching learning.
- The credibility of evaluation procedures.
- Ensuring the adequacy, maintenance and functioning of the support structure and services
- Collaborative Research and Development and networking with other institutions in India and abroad.



- Carrying out internal audit of teaching and learning process so as to facilitate the compliance of quality issues by all faculty members.
- Ensuring that the feedback assimilated from all the stake-holders at different junctures of time are utilized in improving the various systems and processes that are in place, with an aim to achieve our set goals and objectives.

**2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?**

- DMCE has adopted a Student centric Teaching Learning Process with an emphasis on outcome based learning associated with each student activity, in addition to the normal Teaching-Learning Process.
- Students are trained and encouraged to participate in Technical Festivals, Conferences, Seminars wherein they learn the intricate ways to present themselves, write & present Technical Papers, prepare project proposals and thus experience the extension of their learning Process.
- Students are encouraged to refer to Library resources in the form of Latest books, Standard Journals and Technical Papers, On-Line Web resources. They are further encouraged to present their papers in seminars and conferences, organize seminars and Technical Activities at the department and Institute level.
- Internet facility is made available to the faculty and students. Faculty members also refer to multiple teaching tools like LCD Projectors for visual demonstration of Theoretical Concepts and various practical applications, various on-line Web resources like the NPTEL web portal and others for better understanding of the concepts and their applications. The students are also encouraged to seek latest information from these resources so as to facilitate a healthy learning discussion on the topic involving faculty member and other students
- Students are motivated to apply their acquired knowledge by designing and fabricating working models and developing software etc for the Projects undertaken by them.
- Attention is given to each individual student through mentors both in academics and extra curricular activities
- Students are also encouraged to be a participative member of their respective Association Forums like SOCHE, CATT, EESA, GITS, ACES, FOMES which provides ample



opportunities to one and all that aides the transformation into a thorough Professional with better soft skills, communication & Presentation skills and a go-getting attitude. Especially students from rural and vernacular mediums get a good exposure while participating in the multiple events hosted by these associations.

- The above learnings in Soft-skills, presentation skills, Group-discussion and Aptitude skills and Interview Skills are further fine-tuned through trainings and workshops conducted by external experts on a regular basis.
- Well Furnished laboratories give an independent hands-on experience to our students.
- Faculty Development Programme (FDP) is organized every year with resource persons from UoM, BARC, IITs, NITs and others so as to enhance the teaching skills of faculty.
- Before commencement of each academic year, a meeting of all faculty members is convened by the IL-QMC and workshops are conducted on the nuances of teaching techniques for achieving better COs.

#### **2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

- The methodology adopted by our Institute focuses towards the development of Analytical, Logical and reasoning skills among our students.
- The mini Projects and the Final Year Projects are designed and developed after thorough investigation backed with Logical Analysis and reasoning.
- Students are encouraged to visit and/or participate in Technical Festivals and Industrial exhibitions, wherein they gain an exposure to industry requirements, changing trends, modern viable application and many more.
- Students who are interested in Research and Development work are continuously motivated and encouraged to present their Project/Research work in different National / International Seminar / Conference / Workshop and Publish their work in National / International Journal and Seminar / Conference Proceedings.
- Students are encouraged to showcase their creativity and talent by contributing articles to the in-house magazines and external magazines, organizing and conducting events / workshops /Quizes under the various associations, representing the department and the Institute at various Forums



- Faculty members also engage the potential students in their research work, wherein innovative ideas and work are shared with the associated Students, enhancing the scientific temper of Students.
- Group Discussions, Seminars, debates and Quizzes are the platforms provided to enhance the critical thinking among Students.
- Students are rewarded for their outstanding performance in project, experiment, research, conferences and other relevant fields
- To facilitate better exposure to our students, we are focused towards building tie-ups and collaborations with other Institutions, Universities and Industries.

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

- Our Institute has always supported Technology enabled Teaching Learning pedagogy apart from the conventional style of Teaching Learning techniques.
- ICT enabled Class rooms are available in each department, wherein the faculty makes use of the online web resources for visual presentation and applications therein for our students.
- Faculty encourages the Students to refer e-learning web portals like NPTEL, MIT Open Courseware for latest information on Engineering Subjects and its application. Students thereby are subjected to open educational resources, thus enhancing their self learning and self researching ability.
- The teacher uses the interactive whiteboard in ways that engage students, including student use of the board and actions based on student responses.
- The teacher asks students to use technology to complete assignments that ask for problem solving and creativity on a regular basis.
- Technologies and facilities available and used by the faculty:



- Computers with internet facility in all departments.
- Use of multi-media projectors.
- Use of LCD Projectors for Presentations
- E-Learning, E-Library.
- Open educational resources. Use of power point presentation.
- Language laboratory.
- NPTEL Videos.
- Smart Class rooms with smart boards, Laser Disc Projectors, multi-media projectors.
- Use of virtual laboratories
- Use of virtual class room.
- Webinar based learning.
- An innovative learning and teaching forum for exchange of technical information amongst teachers and students.

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

- Students are encouraged to undergo Industrial Trainings during their vacations to get acquainted with the Industry Work Culture.
- Guest Lectures, Seminars, and Workshops are organized by the various forums like IEE, IETE, etc by respective departments on relevant topics and its Application in Engineering. Experts from various domains are invited to share their knowledge, experience and expertise.
- Students are encouraged to participate in conferences, seminars, workshops hosted in-house and by other Institutes and publish papers in National level and International level Journals.
- The Staff members are also encouraged to participate in conferences and workshops and to publish papers in reputed journals like IEEE, Springer, and Elsevier etc.
- The institute arranges lectures to all faculty members with the resource persons from eminent engineering colleges across the India, IITs, NITs and BARC, etc.
- Teachers deliver content beyond the syllabus in the classrooms so that student would come to know recent advances in technology.



- Different training programs are conducted in institute for student as well for faculty members, which is a joint venture of institutional committee and professional organizations like Tata Consultancy Services (TCS), INFOSYS, Capgemini, L&T Infotech Ltd, DSK Designs Ltd and Reliance JIO

**2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?**

DMCE has an active guidance, Counseling and Monitoring cell for students on the academic, personal and psycho-social front.

**Academic:**

- Slow Learners are identified by the respective departments and Special mentors are assigned to such students from the set of teachers associated, who tend to the various needs of these weaker students like arranging special doubt clearing and weakness removal classes, etc. All such students are given extra attention and care by the subject teachers. Simplified Learning materials in the form of notes, Audio-Video tutorials and Power Point Presentations are made available to these students.
- Similarly Fast Learners are identified and the Heads of the departments takes extra care in assigning senior faculty members as mentors for the Fast and advanced Learners, thereby ensuring that these students are guided towards Academic Excellence. These students are encouraged to present Technical Papers in National and International Level Conferences and Technical Festivals.
- These advanced Learners can make use of the in-house Platforms given to them in the form of Workshops, Conferences and Technical Competitions arranged by our Institute from time to time to showcase their talent. Special sessions are also arranged by the Heads towards encouraging these students to take the various competitive and Services Examinations like the GATE, IES, CAT, etc.
- Cumulatively, around 600 students have benefitted from this mechanism.

**Personal:**

Some of the rural students lacking confidence and having inferiority complex are counseled by Counsellors and Mentors associated. This exercise helps in instilling a sense of confidence and self belief among students. Around 1500 students have benefitted from this mechanism.

**Psycho-social:**

Students with weak communication skill are advised to work in the Language Lab after Institute hours. Needy students are given financial assistance. Special dedicated qualified Counselors are arranged by our institute from time to time to address the common issues of Exam Stress, Time Management, Personality Development, Motivation and other Youth related issues. Women Grievances Redressal Cell (WGRC) is empowered to highlight any issues faced by our women employees and female students and act on it so as to formulate an everlasting proper solution, inturn benefitting our women employees and students.

Around 3000 students have benefitted from this mechanism.

**Guidance:****Professional counseling-**

Special dedicated qualified Counselors are arranged by our institute from time to time to address the common issues of Exam Stress, Time Management, Personality Development, Motivation and other Youth related issues. Counselors hold monthly meeting or as and when students call for advice and provide counseling on personal as well as professional matters.

**Mentoring & Academic Advise-**

Every Faculty has been assigned around 15 – 20 students for mentoring. There may be a mix of slow learners, fast learners and normal learners in the group assigned. These mentors are responsible for all the Academic, co-curricular and extracurricular activities and overall development of the student. Academic advice is also given by these mentors to these students.

Around 1500 students have benefitted from this exercise.

Two meetings are conducted by the committee of HOD and the Principal every semester to evaluate the outcome.

**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**



- Faculty at DMCE firmly believes that teaching is a continuous learning process, in which one has to Learn, re-Learn and un-Learn. Here at DMCE, Faculty are open to embrace latest Technology and are always willing to adapt themselves for any positive change. Hence DMCE has shifted its focus from teacher centric learning pedagogy to student centric or Learner based pedagogy based on Learning through Practices like Internships or Industrial trainings, project based learnings, discussion based learning, learning through student participation in Seminars, Quizzes, etc along with conventional lectures and Practicals.
- Faculty members continuously conduct research to evolve innovative teaching methodologies. Some of the innovative teaching methodologies adopted are:
  - 1) ICT based Learning: Use of LCD projectors and internet helps the learners to access the required information selectively from the vast knowledge pool and facilitate better Academic dissemination. All the departments have been provided with broadband Internet connectivity and audio-visual equipments.
  - 2) Discussion and activity based Learning: Case studies, Quizzes, Group discussions are included in this type for further augmenting the analytical and reasoning power of students
  - 3) Project based Learning: Facilitates the development of Analytical thinking, their reasoning power and effective problem solving ability with smart and innovative ideas.
  - 4) Experimental and Experiential Learning: This is effected through Internships, Industrial Training, Participation in Project Work competitions. This approach helps in filling the gap between a Fresh Pass out candidate and the Corporate expectations from a new recruit

**Efforts made by the institution:**

- Short term Faculty refresher courses for better understanding of the above methodologies is conducted before the start of the Academic Year by experts from in-house as well as other reputed organizations.

**Impact of innovative practices on student learning:**

- Students are able to explore the vast information resources available as per their individual need and interest, thereby personalizing the Learning Process.
- Facilitates better understanding of concepts, related topics and their applications.
- These practices allow the learner to not only enjoy learning but also helps to develop the analytical, reasoning and professional skills, thereby further enhancing their learning potential.
- Employability of a Fresh Pass out candidate is enhanced through these practices.



### **2.3.9 How are library resources used to augment the teaching- learning process?**

- DMCE Library has a total volume of 45144 books including 17252 titles. It also houses a collection of Journals, magazines, hand-books, newspapers and E-Journals.
- The Institute has a membership of IITB, Mumbai Library and British Council Library for accessing very rare and expensive resources.
- DMCE Library is enabled with LAN and Internet facility. It is equipped with 48 mbps leased line connectivity. Our Library is further equipped with e-resources like NPTEL Videos, Educational CDs having Lectures of eminent faculty.
- Open Access System is being followed in the Central Library and all the documents are bar-coded.
- In addition to the well stocked-Library, each department of has its own Departmental Library to facilitate easy access to the faculty, students and research scholars.
- Separate reading sections for faculty members and students are available. The library functions after Institute hours too. Separate reprographic facility is also made available for students and staff.
- Library also houses books for competitive examinations like IES, GATE, UPSC, etc along with old Question Papers and old Project Reports for student's ready reference.

### **2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

Yes, the institute encounters some challenges in completing the curriculum within the planned time-frame as allotted in the Academic calendar. These are listed below:

#### **Challenges:**

- Loss of classes due to unexpected holidays.
- Few subjects demand more sessions than the prescribed contact hours as per syllabus and curriculum owing to their difficulty level and poor grasping level exhibited by the students.



- First Year and Direct Second Year Admission Process effected by DTE, Mumbai often suffers delays due to the implementation and other practical reasons. Hence the no of teaching days for the First Year Engineering gets reduced.
- In almost all engineering colleges, the second year Academics is started as per the University Academic Calendar. But the Direct Second Year admissions process is completed by DTE, Mumbai after a couple of days from the start of second year Academics.
- University provides ninety days of semester which includes holidays, co-curricular and extra-curricular activities along with regular teaching

**To overcome the Challenges:**

- Extra lectures & Practicals are conducted over and above the regular schedule to cover up for the losses due to unexpected holidays. Such extra sessions are also planned for those subjects that demand more time and interaction depending on the difficulty level of the subject.
- For direct second year students also, extra lectures and practicals are conducted to cover the missed part of the covered syllabus.

**2.3.11 how does the institute monitor and evaluate the quality of teaching learning?****Monitoring & Evaluation of the Quality of Teaching Learning:**

- The institute takes feedback once in a semester from students pertaining to each faculty. This feedback is analyzed and discussed by the Principal of the Institute and HODs (members of IL-QMC) along with the student performance which is reflected in the result analysis for the respective subjects and appropriate recommendations are given to the concerned faculty for further improvement.
- The faculty members analyze the received recommendations and their feedback positively. They discuss it with their HOD and accordingly corrective and preventive measures are carried out if necessary.
- Class-teachers give a weekly update of the conduct of Theory Classes and Practical sessions. In case of any deviation, the HOD along with the Class teacher addresses the issue of concern amicably and ensures the conduct of smooth academics thereafter.



- Also AMC (Academic Monitoring Cell) is constituted for the monitoring of Academic Processes. The members of AMC, HOD and Principal regularly discuss and monitor the progress of Academics in all departments.

## 2.4 Teacher Quality

**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum**

The details of the present permanent faculty in the institute are given in Table 2.7 A.

**Table 2.7 A: The details of no. of permanent teachers.**

<b>Highest Qualification</b>	<b>Professor</b>		<b>Associate Professor</b>		<b>Assistant Professor</b>		<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	
<b>Permanent Teachers</b>							
D.Sc./D.Litt	--	--	--	--	--	--	--
Ph.D.	06	01	02	03	1	3	16
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	59	50	109
<b>Temporary Full Time Teachers</b>							
Ph.D.	01	--	--	--	01	02	04
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	30	39	69
<b>Part Time Teachers</b>							
Ph.D.	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

### Strategies for recruitment

All recruitments are done as per the norms and regulations of AICTE, DTE-Mumbai and University of Mumbai. Recruitment is a continual annual process followed at DMCE to ensure that the Student-Faculty ratio is better than that prescribed by AICTE and University of Mumbai. The strategy for recruitment at DMCE is as stated below:



- a) The faculty requirement for each department is prepared by the respective HODs before the start of the Academic Year and forwarded to the Principal. Principal's office prepares the consolidated list under the supervision of the Principal.
- b) Prior to the beginning of the academic Year, the roster is prepared and sent to the University of Mumbai for approval, subsequent to which an advertisement is released in the media.
- c) A recruitment board is formalized by University of Mumbai and the faculty selection process is implemented under the complete supervision of the University Board of Selection.
- d) In case of urgent requirement in the midst of the Academic Year, the recruitment is effected by a Local body comprising of in-house Principal, HODs, Professors and one external Professor from other Institute. Ad-hoc appointments are given to the faculty selected by the local body. Faculty members recruited through the local body are ratified by the University officials as and when the next University board is constituted for recruitment for the Institute.
- e) One of the underlying criterion for selection as a faculty apart from satisfying the minimum eligibility norms is that the candidate should possess a positive approach with an extra ability to guide and mentor our students.

#### **Strategies for Retention:**

- DMCE strongly believes in maintaining an Healthy atmosphere so as motivate its faculty to give in their best with 100% commitment towards making DMCE a Leader.
- All staff members are given 6<sup>th</sup> Pay Commission pay along with other Financial dues like DA, PF and Gratuity wherever applicable. Yearly increments are given regularly
- Performance Appraisals of the employees is done by the immediate Head of the Department & Head of the Institution and is reviewed at the next level of supervision. The appraisal takes into account all dimensions like students feedback, research activities, academic and administrative performance, accomplishments etc. On satisfactory completion of probation, an employee is considered for confirmation in service.
- Management sanctions maternity leave and also promotes all permanent faculty members for further studies like M.E. / Ph.D.
- Faculty members are motivated to attend faculty development programs, enrichment courses, conferences, and workshops to develop and update their knowledge and skills in their domain area. Promotions to qualified faculty are offered in time subject to availability of vacancies



- Thus Faculty and staff retention is ensured through maintaining a transparent, healthy working environment conducive for self growth.

**2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

- Being located in the Heart of Thane City and the high reputation of the Institute automatically attracts better talents. The Institute encourages and provides infrastructure and opportunities for its staff for self improvement as well as for Research and Development.
- The Institute organizes various Seminars, Conferences and Workshops conducted by eminent experts from different organizations of repute like IITs, TCS (Tata Consultancy Services), etc. These platforms are used by both students and faculty members equally for their knowledge enhancement.
- Senior Level people from Industries and reputed Academic and Research organizations are appointed as senior faculty with various departments of the Institute. These senior faculty members guide our students as well as facilitate to mould the young fresh teachers with their vast experience, knowledge and skill sets.
- All these measures aid to attract and retain new talents within the system thereby helping the Institute to cope with the growing demand/scarcity of qualified senior faculty.

Table: 2.7 B Faculty Statistics showing Academic and / or Industrial/Research Experience:

Department	Academic Year	Total No of Faculty members	No of Faculty Members with 15+ Years of Experience	No of Faculty Members from Industries or Research Establishments
Electronics Engg.	2016-17	35	17	13
	2015-16	35	16	13
	2014-15	35	10	9
Computer Engg	2016-17	35	6	2
	2015-16	35	4	2
	2014-15	35	4	2
Information Technology	2016-17	28	3	2
	2015-16	28	3	2
	2014-15	28	3	2

---



Civil Engg	2016-17	38	12	3
	2015-16	38	12	3
	2014-15	38	12	2
Chemical Engg	2016-17	15	6	0
	2015-16	15	5	0
	2014-15	15	5	0
Mechanical Engg	2016-17	34	8	5
	2015-16	31	8	5
	2014-15	29	4	3

**2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality**

**a) Nomination to staff development programmes**

**Table 2.8: The details of nominated faculty for faculty development programme (Last Four Academic Years)**

Academic Staff Development Programmes	Number of faculty nominated					
	ELX	Comp	IT	Mech	Chem	Civil
Refresher courses	-	-	-	-	-	-
HRD programmes	-	-	1	-	-	-
Orientation programmes	23	-	4	3	-	6
Staff training conducted by the university	-	-	5	1	-	6
Staff training conducted by other institutions	5	-	3	3	-	2
Summer / winter schools, workshops, etc.	9	2	3	4	-	30

**b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning**

**Table 2.9**

Sr. No .	Domain	Workshop / Training Session – Title	Conduct ed by	Dept.	No of Days	Date of Conductio n
1	Teaching Learning Methods / Approaches	Effective Communication Between Teachers and students	Swataha Sidha Jena	Electronics	01	25 <sup>th</sup> August 2016
2		Effective Communication Between Teachers and students	Swataha Sidha Jena			
3		Effective Communication Between Teachers and students	Swataha Sidha Jena	Computer	01	21 <sup>st</sup> Oct 2016
4		Effective Communication Between Teachers and students	Swataha Sidha Jena			
5		Effective Communication Between Teachers and students	Swataha Sidha Jena	Mechanical	01	7 <sup>th</sup> Oct 2016
6		Effective Communication Between Teachers and students	Swataha Sidha Jena			
7		Effective Communication Between Teachers and students	Swataha Sidha Jena	IT	01	19 <sup>th</sup> Dec 2016
8	Handling new curriculum	Syllabus Revision Orientation Programme	Dept. of Civil Engg & Universit y of Mumbai			



9	Content/knowledge management	PCB Making	Department of Electronics Engg	Electronics	02	July 2016
	Selection, development and use of enrichment materials	—	—	—	—	—
	Assessment	—	—	—	—	—
	Cross cutting issues	Expert Lecture on New Trends in HVAC	ISHRAE & ASHRAE	Mechanical	01	March 2016
10	Audio Visual Aids/multimedia	—	—	—	—	—
11	OER's (Open Education Resources)	Hands on Latex	Mrs Priyanka Dhuliya	IT	02	11,12 March 2016
12	Teaching learning material development, selection and use	computational fluid dynamics	Dr.Kausubh S Majumdar	Chemical	01	19 <sup>th</sup> August 2016
13		Scope and upcoming trends of Chemical Engineering	Mr. Sridhar Chitanvis	Chemical	01	8 <sup>th</sup> Oct 2015

**c) Percentage of faculty:**

- Percentage of faculty invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies:10.60% (21)
- Percentage of faculty participated in external Workshops/ Seminars/ Conferences recognized by national/ international professional bodies:44.94 (89)
- Percentage of faculty presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies:82.32 (163)



**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)**

- DMCE is the official Research centre for Ph.D studies in Civil Engineering, Mechanical Engineering, and Computer Engineering under University of Mumbai. Faculty at DMCE are encouraged to pursue part time Ph.D. in-house as well as through other Research Institutions.
- DMCE conducts various training Programs / Workshops / Seminars / Conferences for the knowledge updation of the faculty and students. Similarly our faculty members are encouraged to participate in Workshops / Seminars / Conferences as per their specialization or their field of interest conducted by external agencies or Institutions.
- Various Industry-Institute interactions are also facilitated by our Institute which are attended by our teaching staff too.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

The college felicitates the teachers who have produced semester-wise best pass percentage during the Annual College Day Celebrations. This motivates the faculty towards achieving Excellence in teaching.

**Table 2.10 : The details of awards & recognitions at state, national & international level.**

Sr. No.	Faculty Name	Dept.	Award	Year
1.	Dr. Shubhangi Vaikole	Computer Engineering	Excellence in Research by DMCE	2016
2.	Dr. Shyamal Kumar Mukherjee	Civil Engineering	Excellence in Research by DMCE	2016
3.	Dr. P.D. Deshmukh	Mechanical Engineering	Excellence in Research by DMCE	2015

---

---



4.	Dr. Smita Patil	Civil Engineering	Excellence in Research by DMCE	2015
5.	Dr. Varsha Gupta	Humanities & Sciences	Excellence in Research by DMCE	2014
6	Dr. Prachi Kanungo	Humanities & Sciences	Excellence in Research by DMCE	2013
7	Dr. D.J. Pete	Electronics Engineering	Excellence in Research by DMCE	2012

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

- There is a well-defined Feedback process at DMCE. During each semester, students Feedback are taken twice regularly, one at the mid of semester and other at the end of semester. The feedback is based on the following parameters: a) Faculty Regularity and Punctuality b) Coverage of Syllabus Contents c) Preparedness and extend of coverage d) Transfer of Knowledge by the faculty.
- These feedbacks are perused by the Head of the Department in consultation with the Principal. If it is observed that more than 25% of the students have negatively highlighted any specific parameter, then the same is taken a note of. The concerned faculty is then apprised by the HOD in this regards and is asked to plan and initiate corrective steps to counter the same. HOD and the principal observe whether the corrective actions initiated by the concerned faculty have met the student requirement or not and accordingly plans further actions. In special cases of student dissatisfaction, the HOD even changes the subjects allotted to the faculty staff if the situation so demands.
- Faculty feedback is reflected from the self-appraisal forms filled in by the respective faculty and verified by higher authorities. Subsequent corrective actions are initiated by the Principal and higher authorities accordingly.
- Dean R&D provides a feedback on research and publication of the concerned faculty. Academic audit undertaken by the institute also provides a feedback by peers on teaching and learning process.
- Thus all the above Feedbacks facilitate in improving the teaching-learning experience and helps in the overall development of the Institute.



## 2.5 Evaluation Process and Reforms

### 2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

All the regulations, curricula and syllabi including Teaching and Examination schemes of all the programmes offered by the institute are available on the institute and the affiliated university websites. The regulations contain the details of the evaluation process. The officer-in-charge of the examination cell at the Institute adheres to all the guidelines provided by the Controller of Examination (COE) of UoM to conduct examinations. He ensures that all the stipulated rules and regulations governing the Conduct of Examination are meticulously followed by the Institute from time to time.

#### For Faculty:

- Faculty members are regularly deputed to faculty Orientation programmes facilitated by University of Mumbai. Subject specific details like Scheme of evaluation, weightage of chapters, mapping of the units with the COs and POs are discussed, debated, finalized and then shared with the subject teachers.
- Statutory bodies of University of Mumbai like BOS and their members design the Syllabus for each branch. They decide upon the COs and POs for each subject.
- Academic regulations completely define and detail the evaluation process as a part of academic regulation formed by institute and statutory bodies.
- Examination process and Scheme of evaluation for both theory and practical designed by BOS of respective department, are published and discussed with the faculty members of respective department for the respective subject.

#### For Students:

- Every year the newly admitted students are Oriented along the Guide-Lines of University of Mumbai and Institute. These Students are updated about the attendance requirements, the passing marks requirements and the grading systems followed for the internal assessments which are strictly followed as per the norms provided by University of Mumbai.
- Evaluation Schemes for evaluation of theory and practical are elaborated to students. All these students are assigned their Teacher-Guardian who acts as the mentor and guide to these students. An environment of easy access and approach towards the faculty members are encouraged by one and all, which encourages these students to approach and clarify their doubts, if any.



- A welcome kit is handed over to these newly admitted students containing the Academic Calendar along with the prescribed syllabus and the scheme of evaluation for theory, practical during the orientation program.

**2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?****Major evaluation reforms adopted are:**

- The credit based grading system has been adopted by University of Mumbai for UG and PG degree programme in a phased manner.
- The Institute has embraced Digitization across its various functioning processes like Academic Process, Examination and Evaluation Process. The Institute has initiated the process to capture Student attendance in Theory and Practicals centrally in a continual manner.
- The institute appoints examiners for the oral and practical examinations as per the university directives.
- The institute deputes faculty members as examiners to evaluate answer sheets to the university.

**2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?****University Evaluation Reforms:**

- Separate Cell has been constituted by the Institute to conduct the Examination in a free and fair manner. All the pre and post Examination processes are routinely checked, processed and implemented by the Examination Cell from time to time. The exam cell is regularly equipped with all Infrastructure needed to conduct the Exams in a Free and Fair manner in the campus as per university schedule. The examination conduction is effectively monitored to ensure that all the guidelines of the university are followed religiously.
- The institute has taken following measures for the effective implementation of the evaluation reforms introduced by the university:
  - The institute has examination coordinators from each department for smooth conduction of the examination.



- The examination committee meets periodically to discuss all the examination related matters.
- At institute level, mid-term tests are conducted as per university norms and results of the same are declared within eight days. Complete transparency is maintained in this regards i.e. the students can see their evaluated answer sheets and discuss the same with concerned faculty for clarification regarding the parameters taken into consideration for assessments.
- Oral and practical marks are jointly evaluated by internal and external examiners.
- For smooth conduction of university theory examination, an internal squad comprising of senior faculty members are appointed. Appropriate measures provided by UoM are adopted and implemented from time to time.

**2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

**Formative Evaluation Process:**

The formative evaluation Process facilitates the continuous monitoring of the students Learning ability, his performance, his orientation and his overall progress. The culmination of the formative evaluation process is to ensure that the Students are technically strong and vibrant with Confidence. Further, this formative evaluation process leads to students exhibiting excellent performance and scoring good results in the summative examination. The following are the parameters of interest in regards with formative evaluation of students:

- **Term Test:** Two term tests are regularly scheduled during each semester. These tests provides an inside view of the students overall understanding, his presentation and scope available for further improvement.
- **Assignments:** It enriches the problem solving capability of the students. This also helps the students to prepare for the university examinations.
- **Curriculum based Assessment:** The formative assessment is spread over midterm test, assignments, tutorials and term work to measure attainment of various COs and POs, which are the main components of Curriculum based Assessment as prescribed by the University of Mumbai in their evaluation schemes provided.
- **Industrial visits:** These visits help the students to identify the gap between the Industry or corporate requirement and the Academia. Students get channelized to develop an Application oriented bent of mind, thereby enabling them to establish a connect between the theory and practical applications. They get an idea of the current trends in technology and their applications.



- **Practical Lab works, Mini projects & Final Projects:** Students are given a practical hand on training (approach) during the various Practical Lab works. Mini projects in third year and major project work in the final year enables these students to develop an analytical mind set with problem solving skill sets. They understand the various stages involved in engineering an application and these projects or application help in tuning themselves to the fast changing Industry requirement.
- **Workshops and Seminars:** Different workshops and seminars arranged by the institute also help to bridge the gap between the academics and industry. They also get awareness of the global overview of the developments in technological aspects.
- **Organizing technical events:** DMCE has various student chapters/faculty chapters like CSI, IEEE, ISA, IETE, ISTE, ITSA, etc supported by various student bodies or forum. These forums continuously encourage the students to organize and participate in various technical events hosted under each student chapters.
- **Social Activities:** DMCE students through its various student associations like SOCHE, CATT, EESA, GITS, ACES,FOMES are involved in various social activities like creating awareness towards upliftment of underprivileged students, conducting Blood donation camps, initiating donation drives for orphanages. Our students undertake various stage plays and skits to promote Swacch Bharat abhiyaan, Clean energy, etc.
- **Students attendance monitoring:** Each student is assigned a Teacher Guardian in each of his semesters who tend personal care to them. These guardians along with the Class teachers monitor the Student attendance and take appropriate steps needed on monthly basis. In case of attendance shortfall, they intimate the parents via electronic mails/ SMS regarding the same. Parents – teacher meet are encouraged for such students so that these students are able to satisfy the minimum eligibility to appear for the end semester examinations as specified by the University of Mumbai.
- **Technical Festival:** Our students through their various student forums plan and host ‘TECHNITUDE’ – DMCE’s Technical Festival every year which provides a platform to showcase student’s technical expertise and talent from various Engineering Institutes across Mumbai and adjoining areas. Even Technical Paper Presentations and other software and Hardware applications developed by students are showcased here. This platforms promotes the learning and understanding of the latest technology in various fields by the students and further encourages the Young Fresh Junior engineers.

**Summative Evaluation process:**

The Summative Evaluation process is designed and implemented by the university through the various examinations facilitated by the College to evaluate the student learning process and their performance. The following summative evaluations are conducted during each Academic term:

- Theory examination
- Practical/Oral examination
- Project work
- Term work

**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.**

- DMCE follows a complete transparent process in the Internal Assessment process. It is based on the attendance, assignments, tutorials, laboratory Work and term-tests and also on the contribution of the students in the development of student projects.
- Students are apprised of the complete process before the start of each academic year. Monthly attendance of the student is displayed on the departmental student notice boards and the system is open for correction if any, to the satisfaction of the students.
- After the term-tests, the answer paper of each student is openly discussed and debated in the class by the respective teachers. The marking scheme and expected model answers are discussed and noted.
- Similarly student projects, tutorials & assignments are graded accordingly, thereby maintaining transparency with the students.
- Due weightage is given to attendance in theory and practical sessions, timely completion & submission of assignments & tutorials, student performance in the termtests and practicals. 10 grace marks are approved by university for outstanding extracurricular performance.
- Independent and analytical learning is encouraged through student projects and presentations

**2.5.6 What are the graduates attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?**

- **Skills and Techniques:** Developing a range of skills and techniques, personal qualities and attributes essential for successful performance in working life and thereby enable learners to make an immediate contribution to employment at the appropriate professional level
  - **Employability:** Equipping individuals with knowledge, understanding and skills for success in employment in the engineering-based industry
  - **Problem Analysis:** Fundamental analytical knowledge and techniques used for analysis, modelling and solution of realistic engineering problems within the respective engineering domain. Obtaining accurate information on the requirements for an individual or group engineering project
  - **Engineering Solution:** knowledge and use of essential scientific principles to produce routine solutions to familiar engineering problems and using this knowledge to model and analyse routine engineering systems, processes and products
  - **Project Management and Finance :** use of skills and knowledge developed during the course to select a project and agree specifications, implement and evaluate the project along with calculation of costs associated with engineered products and services, and finally present the project evaluation
  - **Usage of Modern Tools:** Application of modern engineering and computing techniques, tools, skills for engineering practice wherever applicable.
  - **Ethical & Societal Connect:** Understand and predict the impact of engineering solutions in a global and societal context with a sense of ethical responsibility.
  - **Environment & Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
  - **Individual and Team Work:** Proficient enough to function independently or to work as a member/Leader of the team to contribute/harness the best. As a Leader, you need to facilitate the team's progress by identifying the strengths of each member and making the best use of their potential towards achieving the set goals and objectivities.
  - **Communication:** To communicate effectively through engineering drawing, written reports and oral presentations.
-



- **Life-long Learning:** To inculcate the practice of Learn-Unlearn-Relearn with the changing trends and continuously evolving technologies and practices.

The different Teaching-Learning approaches adopted by DMCE such as Self Learning, Project based Learning, Experimental and Experiential Learning ensures the attainment of graduate attributes. Co-curricular and extra-curricular activities are also carried out to compensate for the social and societal attributes that any graduate should possess. These activities are planned at the beginning of each semester and mentioned in the Academic Calendar of institute.

#### **2.5.7 What are the mechanisms for Redressal of grievances with reference to evaluation both at the college and University level?**

- At the college level, DMCE maintains 100% transparency with the students. Their answer sheets of internal assessment are shown to the students, discussed and debated upon to the satisfaction of the students and if any discrepancy is found, then the same is corrected by the concerned teacher and necessary corrections are made.
- At university level, the University of Mumbai has stipulated their rules and regulations towards examination and evaluation system. As per the stipulated rules and regulations, if the student is not satisfied with the evaluation results, then he/she is entitled to apply for retotaling, photocopy and revaluation. The university takes the necessary following steps. If there is no change, earlier marks are awarded to the students. If there is any change in the marks, the revised mark sheet is issued to the student as per the norms specified by UoM.
- If the student is still not satisfied with the revaluation process, he/ she can apply for grievance cell of UoM. Then grievance cell takes the appropriate action as per rules.

#### **2.6. Student performance and Learning Outcomes**

##### **2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?**

- DMCE has well defined learning outcomes which are in line with the Programme Educational Objectives (PEOs) and Course Outcomes (COs).
- PEOs, POs and COs have been defined by every department. Before the start of each Academic semester, these learning outcomes are discussed in the Staff Orientation Programme at length. They are apprised by the HODs and senior members that all our



Teaching-Learning Processes implemented at DMCE are focused towards meeting the laid down POs and COs.

- At the end of each semester, all the departments evaluate POs and COs by using tools like attendance, tutorials, mid-term results, assignments, Student performance in Laboratories and Classes as per norms and regulations
- The students are regularly apprised of the Learning Outcomes ( Programme Educational Objectives – PEOs , Course Outcomes – COs) right from the orientation day till the end of their Programme. Each teacher associated with the respective class ensures that the students are made aware of the Learning outcomes covered through the coverage of their subject.
- All these Learning outcomes are also uploaded on the Institutes Website.

**6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

- DMCE maintains 100% transparency in its internal evaluation system. Students discuss their evaluated papers with their faculty members and verify the correctness of evaluation. The Internal Assessment evaluation records are also uploaded on the Institute website, so that the same is open to other stake holders like parents.
- Monthly attendance defaulter list is updated and displayed on the department notice boards. Parents of the defaulters are called to attend the Parents-Teacher Meet and updated about their ward's performance

**Table 2.11: Overall pass percentage (Department wise/Year wise, shift wise)**

Program	Branch	Passing Percentage			
		2016-17	2015-16	2014-15	2013-14
UG	Electronics Engg.	Awaited	91.08%	90.06%	92.08%
	Chemical Engineering	Awaited	100 %	95.54 %	85.07%
	Computer Engineering	Awaited	96.48%	98.06%	94%
	Information Technology	Awaited	86%	100%	92.08%

---



	Mechanical Engg	Awaited	96.42%	92.8%	87.37%
	Civil Engg	Awaited	88.15%	88%	91.23%
	Civil Engg (2 <sup>nd</sup> Shift)	Awaited	NA	NA	NA
PG	Electronics Engg.	Awaited	100%	64.70%	77.77%
	Computer Engg	Awaited	86.67%	82.35%	77.78%
	Mechanical Engg	Awaited	100%	80%	85.71%
	Civil Engg	Awaited	88.88%	66.66%	94.44%

**2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

- The Institute prepares an Academic Calendar and follows it religiously. Various committees are formed or updated before the start of the Academic Year to facilitate the best implementation of the Teaching – Learning process, check the standards and quality of teaching, learning and evaluation.
- The HOD along with the Department Level Quality Assessment Team ensures that all the academic processes are in place and functional. They also monitor the attainment of POs twice in a Year. The IL-QMC does the Academic Audit twice in a Year.
- The academic audit reports are discussed in the department meeting. Proper action is planned with suggestions from HODs and Principal to overcome the shortcomings mentioned in the report for the subsequent semester and evaluation sheet is generated.
- If there is a discrepancy in the targeted and attained level of outcome as observed by individual faculty or mentioned in academic audit report, a critical analysis is carried out by each concerned faculty to find out the causes and the remedial measures that can be implemented.
- Teacher-Guardians or Mentors keep a complete updated record of the student performance throughout his period of association with the Institute. Regular meetings involving HOD, Mentors and Subject Teachers are held to discuss, implement and verify whether the remedial measures chalked out for weaker students are implemented or not. Similar checks and practices are adopted for understanding the effectiveness of the teaching methodology adopted and accordingly fine tune them.

**2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?**

- DMCE places a lot of emphasis on the employability skills of our student. Our Placement Cell interacts with each student from their year onwards and identifies the gap between the Fresh Graduates and the Industry requirement./expectation. A detailed analysis of this report is forwarded to the HODs and the IL-QMC.
- Accordingly several training programs and workshops are organized by the respective departments and Placement cell to work on the identified gaps.
- Students are given the opportunity to organize various events / workshops / seminars / conferences under the student bodies, which makes them a team-player. Such platforms give the students an opportunity to showcase their Leadership skills, Management Skills, technical skills which are further fine-tuned by the various senior faculty members associated with them and the external-experts invited in the due course of their programme.
- Advanced laboratories, innovation and research center are established to increase the creativeness of the students
- Students are encouraged to undertake Social and Environmental projects where they can co-relate the engineering applications with the societal needs.

**2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

- Transparently quantified Internal Assessment data is with the department. And the regular end semester Evaluation results are collected and analyzed by the Institute. The weaker students are identified from the analysis and remedial measures are adopted for such students and implemented by the respective departments. Further subjects are identified from the analysis which requires more emphasis for better results.
- The Teacher –Guardians or the Mentors keeps an updated record of the student performance right from his day of association with the Institute. These records are analyzed and discussed at the departmental level involving HOD and DL-QMC. These records are based on the Student Attendance, Internal Assessment, Student Activities involved and the overall student Progression. Most of the Academic and Non-Academic issues faced by the students are addressed by the Mentors, senior faculty members and HOD. Few non academic issues need the help of specialized counselors. Any other issue



beyond the scope of department or policy related issue is attended to by the Principal and IL-QMC.

- Institute collects feedback from the students on academic factors, COs and POs attainment and accordingly takes suitable actions for betterment of the system
- All these remedial measures initiated at the departmental or Institute level plays an active role while planning for future sessions, thereby overcoming the barriers of learning.

## **2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

DMCE depends on 100% transparency and Feed-back mechanism employed to measure the effectiveness of Teaching-Learning Process adopted.

The institute monitors the performance of the students and ensures the achievement of learning outcomes in the following ways:

- Teacher Guardians or Mentors are assigned to each student who keeps a complete tab over the student performances and activities during his/her course of the programme.
- Monthly Attendance records are displayed on the Notice-boards and uploaded on the website. Further the parents of the defaulters are informed to attend the Parent-Teachers meet, wherein they are asked to take corrective actions concerning their wards.
- Student performances in internal tests, End Semester Examinations are put up on the notice boards and also uploaded on the website.
- The Mentors and Placement regularly engages with the students and decides on the add-ons required for the overall development of the student.
- The Placement cell identifies the gap between the candidate's present stature and the Industry requirements/expectations and arranges for special sessions by experts from Industries and corporates addressing those core-competent areas.
- The IL-QMC decides on the further life skills to be imparted and accordingly arranges for varied Personality Development and motivational Sessions.
- At the end of the semester students give their feedback on the Pos and Cos
- IL-QMC and DL-QMC decides on the various corrective and pro-active steps to be incorporated in the teaching-Learning Process, Library & Laboratory development, Faculty development, Digitization, Industry-Academia Partnership, Alumni Association, etc.



**2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite a few examples. Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.**

Yes.

- The Assessment/Evaluation outcomes are definitely used as an indicator for evaluating student performance, achievement of learning objectives and Planning.
- The internal Assessment system is completely designed so as to ensure that each and every student who graduates out successfully achieves the laid down PEOs and Course Outcomes during the period of his or her study in the Institute.

All the faculty members are oriented along the lines of PEOs, COs and all relevant information regarding teaching-learning process. Faculties are assigned the task of mapping POs, COs with the means of coverage for the same. The class teachers of a particular class of particular semester are assigned the duty of keeping a consolidated record of subject-wise coverage of POs and COs and their means of coverage. The overall performance of a student in the Assessment/Evaluation system, thus gives an idea of the attainment of the overall learning objectives. This feedback is used by the system to re-define the Learning Objectives like Pos and Cos at regular intervals of five years.



## Criterion III: Research, Consultancy and Extension

### 3.1 Promotion of Research

#### 3.1.1 Does the institution have recognized research centre/s of the affiliating university or any other agency/organization?

In view of the fact that the research has a positive impact on augmenting the problem solving resources and skills available with the faculty and through them the students, DMCE has embarked on promotion of research activities. The DMCE at present is at a stage where research activities at DMCE are growing at a rapid pace.

A humble beginning was made in the year 2012, when DMCE showed capability of handling research in one of its oldest departments, i.e., Civil Engineering. The research center in Civil Engineering got operational in the academic year 2012-13. In the subsequent year, the research centers in Computer Engineering and Mechanical Engineering, followed suit. The research centers are affiliated to the University of Mumbai. The intake of the students to be admitted is 10 in each Department. The students to be admitted to the Ph.D. (Technology) programme are required to get qualified in the Ph.D. entrance test examination (PET) to be conducted by the University of Mumbai, time to time. Moreover, the candidates having been qualified in GATE/NET/SET are exempted from appearing for the entrance test examination. The approved teacher of the University of Mumbai having at least five years' of the experience is also exempted from appearing for the entrance test examination.

The research scholars admitted to the Ph. D. (Technology) programme of the University of Mumbai are normally the faculty members working in various institutions (degree and diploma) and the field professionals working in the company and research and development establishments. These research scholars are working in the diverse area of their specializations, i.e., super-specializations, within their specialization.

The institute has working understanding with many research institutions such as BARC, IIT, ICT apart from some of the private organizations, especially research and development establishments which can provide facilities and avenues for conducting research. Setting up of advanced research facility is an expensive exercise, and quite often beyond the budget of any unaided institution. Hence, DMCE is in the process of having research collaboration with some of the above renowned organizations.



**3.1.2 Does the institute have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

The institute has research committees to monitor and address the issues related with the research at PG and Ph.D. level. The composition of the committees is given in Table 3.1.

**Table 3.1: Members of the Committee for monitoring the Research**

Sr. No.	Members of Research Monitoring	Post
<b>AT PG Level</b>		
1.	Head of the Department	Chairman
2.	One Internal Examiner who happen to be M.E. Guide	Member
3.	One External Examiner who happen to be M.E. Guide if he/ she is from affiliated colleges or who is having 5 years' professional experience if he/ she is from Industry.	Member
4.	Respective Guide	Member
5.	Academic Co-ordinator	Member Secretary
<b>AT Ph.D. Level</b>		
1.	Principal	Chairman
2.	Head of the Department	Member Secretary
3.	At least One External Examiner holding Ph.D. Degree and having expertise in the research area of the respective candidate who shall be PhD guide or equivalent	Member



4.	Respective Guide	Member
5.	Other Research Guides available at the center	Member

The committee monitors the research activities carried out at the ME/ Ph D level. It also ensures that the necessary research facilities and infrastructure is available to the students at the research institutes. In case, if the students are carrying out their research in some other organization, the committee ensures the facilities are available to the students in such organizations. Apart from this, the committee imparts instructions/ suggestions to the respective students in regard with their research work to improve the quality and point out the quantum of the work carried out by them at the time of progress seminars and to be carried out to bring the work to the required level. The committee also ascertains the quality of the research work being communicated by the students to the various referred journals and see it is free from any sort of plagiarism. The committee also takes a note of grievances of the students if any and takes necessary remedial measures.

#### **Few typical recommendations made by the research committee**

- All the ME Candidates will deliver the seminar as per various stages mentioned in their curriculum. Apart from this, they will also deliver the seminars as and when suggested by their respective guides so that more improved version of the work can be presented before the properly constituted board of examiners.
- This will be applicable to the Ph D candidates as well.
- The candidates (ME and Ph D) shall submit the progress reports well in advance through their respective supervisor's prior conduction of the progress seminars before the board of examiners.
- The students (ME and Ph D) shall contact the respective supervisors periodically and the record thereof shall be maintained by the respective supervisors. The record shall include the issues / points discussed, suggestions given by the supervisors and any other part of the discussion.
- The students shall maintain the uniformity in the preparation of the progress reports/ dissertations/ thesis.
- The students shall communicate their research work to the peer reviewed journal as far as possible and the work will be free from any sort of plagiarism.
- The institute shall purchase the professional software for the plagiarism verification.

**Impact of these suggestions was noticed as given below:**

As a part of the various recommendations, an increase is observed in regard with the general awareness on the benefits of research and active steps towards identifying problems and research methods that can be taken up using existing infrastructure within DMCE or the collaborating institutions.

An enhancement is observed in the quality of the research work carried out by the ME/ PhD candidates which is well recognized and appreciated by the external examiners. Further, more number of research/ technical papers are being communicated by the ME and PhD candidates to the various reputed peer reviewed/ referred journals. Even the work carried out by the candidates at UG level is also acclaimed by the examiners. Some of the work reported by the UG students in their dissertations has been published in the refereed journals apart from that in the conference proceedings.

Further, there is an increased awareness amongst the students in regard with significance of the frequent meetings with the supervisors and as a result of which the students get their work completed at the earliest. In addition to this, there is an increased awareness amongst the students in regard with the issue of the plagiarism.

**3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of researchschemes/projects?****Preliminary Screening:**

Before any research scheme/project is implemented, it is ascertained by the Research and Development Committee for viability, relevance and utility as a part of the first step. This step considersthe availability of resources that are absolutely necessary, the access to these resources, time required to conduct the research and few other factors. This review avoids a lot of uncertainty normally associated with any research projects as a result of which the project does not get completed. This is attributed to the fact that the researchers do not take into account the non-viability of the research project. The possible outcomes of research are also examined by this committee vis-à-vis the relevance of the research projects. Accordingly, the go-ahead is given to the respective investigators.

**Freedom to the Principal Investigator (PI):**

Complete freedom is provided to the Principal Investigator in regard with the choice of project details/ideas, funding agency, selection of project staff and the procurement of equipments and software. The freedom given to the PI in implementing one's idea without any hurdle renders the execution of the genuine research.

**Timely availability / release of the resources:**

We, at DMCE, are committed to the development of the conducive environment which is the essential pre-requisite for conducting any research. On this backdrop; the institute always rallies its strength behind the researcher whenever one asks for any particular resource.

The institute encourages its researcher to come forward with their requirements in regard with one's research. All the administrative steps (Department- Institute Administration- Management and Vice- Versa) are executed in the shortest possible time period in order to ensure that the researcher in need is made available the resource (equipments/ consumables, manual help, etc.) at the earliest.

**Adequate infrastructure and support in terms human resource:**

The institute is well equipped with state of the art laboratories and workshops. This infrastructure is made available to any researcher round the clock or as per one's need on demand. Normally, the preference is given to the research student for utilization of any equipment in any laboratory. The institute encourages its research students to take responsibility of their research labs and this has resulted into the development of a "lab ownership" culture amongst the researchers. The institute has got highly skilled and experienced technical supporting staff with knowledge about their role as a lab attendant/assistant. This skilled manpower encourages building up the research culture in the institute.

**Time off, reduced teaching load, special leave, etc. to the teachers:**

The institute always encourages its faculty members and students to undertake/pursue/involve in research activities. Faculty members pursuing ME/ PhD in this or other institutes are given one or two days off to visit their institute and carry out research. The faculty members of the Institute who are pursuing ME/ PhD are normally assigned less teaching load and moreover, they are exempted from carrying the administrative work so that they can concentrate on their research work. Moreover, faculty members are permitted to attend the conferences/ seminars for presenting the research/ technical papers and they are given special leaves for this purpose.

**Support in terms of the technology and information needs:**

The institute is committed to give its research scholars and faculty members all the necessary technological support and information requirement. The institute provides this support in a various ways- procurement of new equipments/machines/laptops/servers/book as and when demanded, procurement of latest software, facilitation of timely auditing and submission of utilization certificate to the funding authorities, subscription to various international journals and databases,



uninterrupted internet services in the campus, organization of national and international level workshops, STTPs, conferences.

### **3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?**

Following steps are initiated by the Institution in developing scientific temper and research culture and aptitude amongst students.

Students are given a particular idea and are motivated to define the problem on their own by thinking beyond the textbooks or curriculum, to explore different ways to solve the problem and to choose the optimal option by referring to scientific papers for understanding of current research developments.

The scientific temper can be inherited by contact with people who already have scientific temper. DMCE has taken many steps to ensure this happens. Some of these are listed below:

The institute has inducted a good number of faculty members having research aptitude. These faculty members have been hand-picked by the institute based on their research background and dedication to carry out original research. Students are made aware about the various research ideas under the guidance of such faculty members.

Faculty members are encouraged to pursue higher studies (M.E. /Ph.D.) so as to introduce them to research. These faculty members, after completion of their higher education, use their research experiences to motivate the students to carry out original research.

Students at all the level (B.E. /M.E.) are encouraged to carry out in-house projects. This helps them to explore more on the innovative projects leading to good engineering research.

Guest lectures by various experts and researchers working in the frontier research area are periodically organized both, at the institute as well as at the department level.

Students are encouraged to publish papers based on their work in international/national conferences and competitions organized across the country.

Students are encouraged to undertake summer internships in leading research organizations like BARC, IIT where they work on the latest research problems.

**3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)**

The research scholars carrying their research for the award of M.E. / Ph.D. (Technology) degree of the University of Mumbai comprise the students and faculty working in the areas of Civil Engineering, Computer Engineering, Mechanical Engineering along with the Electronics and Electronics and Telecommunication Engineering. The faculty members of the DMCE are actively involved in the research and development activities through PG/PhD guidance, sponsored and consultancy projects, etc.

Our research centers are affiliated to the University of Mumbai for the award of the Ph.D. (Technology) degree in the respective branches of study. Our PG students are also awarded ME degrees by the University of Mumbai in the respective specializations which are available at our institute.

Our faculty members are involved in the collaborative research with other organizations. Many of the research projects submitted by our faculty members are provided funds by the University of Mumbai under its scheme of ‘Minor Research Grant’.

**ME/ Ph D Guidance:**

Experienced faculty members of the Institute who have been recognized as the ME Teachers and Ph D Teachers by the University of Mumbai are on the forefront of guiding the ME and PhD candidates. The particulars of the guidance at ME/ PhD level by the recognized supervisors (guides) are given in Table 3.2.

**Table 3.2: Faculty members of Institute guiding PG and PhD candidates**

Sr. No.	Name of the faculty/Guide	No of PG students		No of PhD Students	
		Completed	On going	Completed	On going
1.	<b>Civil Engineering</b>				
	Dr. A R Katti*	04	05	01	01
	Dr. H S Chore*	33	03	03	05

---



Dr Mrs. S B Patil	10	05	-	-
Mr. P A Dode	09	03	-	-
Mr. P R Barbude	08	05	-	-
Mr. P V Muley	04	10	-	-
Mr. S A Rasal	-	04	-	-
Mrs B Manjula Devi	-	01	-	-
Mrs. P. Kousitha	-	01	-	-
<b>2.</b> <b>Computer Engineering</b>				
Dr. S. D. Sawarkar*	10	10	01	08
Prof. S. L. Vaikole	11	03	-	-
Prof. A. P. Pande	06	03	-	-
Prof. C. M. Raut	06	03	-	-
Prof. S. S. Karve	01	01	-	-
Prof. N. S. Patil	3	05	-	-
Prof. M. M. Phadke	-	01	-	-
Prof. S. N. Patankar	-	01	-	-
Prof. A. N. Gulati	02	04	-	-
Prof. C. S. Pawar	01	05	-	-
Prof. P. S. Rahate	-	02	-	-
<b>3.</b> <b>Electronic Engineering</b>				
Dr. D.J.Pete*	06	-	-	-
Mr. S.R.Jajoo	01	03	-	-



Mr. G.B.Lohiya	02	02	-	-
Mr. P.S.Wankhede	01	01	-	-
Mr. V.K.Jadhav	01	-	-	-
Mr. S.M.Patil	02	03	-	-
Mrs U S Pacharaney	-	02	-	-
<b>4.</b>	<b>Mechanical Engineering</b>			
	Dr. P. D. Deshmukh*	04	08	01
	Prof. O. G. Sonare	03	05	-
	Prof. B. S. Kale	01	03	-
<b>5.</b>	<b>Information Technology</b>			
	Dr. S. R. Devane*	05	12	- 07
	Prof. S. R. Kolhe	05	3	-

(\*Indicates the recognized Ph.D. supervisor)

Apart from the afore-mentioned faculty members of the Institute who have been recognized as the guides, the faculty members from some other institutes are also guiding few students for their Ph.D. through our research center. Their details are given in Table 3.3

**Table 3.3: List of guides from other institutes associated with DMCE, a research centre**

Sr. No.	Name of Faculty	Department	No. of research scholar	
			Ph. D.	
1	Dr. S. K. Ukarande	Civil	02	
2	Dr. S. B. Charate		01	
3	Dr. V. B. Shinde	Mechanical	05	
4	Dr. K. S. Bhole		01	



Our faculty members are actively involved in collaborative research in association with University of Mumbai. Some of them have completed the sponsored research projects funded by the University of Mumbai under the scheme of ‘Minor Research Project’. The particulars of this collaborative research are furnished in Table 3.4.

**Table 3.4: Particulars of the faculty members and projects as a part of the collaborative research activity**

Sr. No	Department	No. of Investigators involved	No of Projects	Funding Agency
01	Civil Engineering	04	06	University of Mumbai
02	Computer Engineering	01	02	University of Mumbai
03	Mechanical Engineering	01	01	University of Mumbai
04	Information Technology	01	01	University of Mumbai
05.	Humanities and Science	01	01	University of Mumbai

**3.1.6 Give details of workshops/training programmes/sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.**

The institute regularly organizes continuing education programmes in the form of workshop, seminars, short term course, or short term training programmes, etc. The duration of such programmes range from one day to one week.

Even the faculty members from abroad have also been invited by the Institute. The programmes are conducted for faculty members as well as students. However, most of the programmes are designed in such a way that they are useful for both- faculty members as well as students.

The details of workshop/training programmes/sensitization programmes for faculty and students are given in Table 3.5.



**Table 3.5: Workshops/ training programmes/ sensitization programmes conducted  
/organized by the Institute**

Sr. No.	Department	No of Programmes	For Staff	For Student
01	Civil Engineering	08	08	08
02	Chemical Engg.	05	01	04
03	IT	11	07	04
04.	Mechanical Engg.	09	04	05
05.	Computer Engg.	10	02	08
06.	Electronics Engg.	13	05	10

Some of the programmes as shown in above tables are common for the students and faculty.

**3.1.7 Provide details of prioritized research areas and the expertise available with the institution.**

All the faculty members in various departments of the Institute are well qualified and experienced. Each faculty members have got different area of specialization (expertise) and that, area of interest. Some of them are taking keen initiative in developing new areas of research out of interest beyond their area of specializations. However, the area of expertise and interest for some of the faculty members who happen to be the ME/ PhD guides are furnished in Table 3.6.

**Table 3.6: The research areas and the respective faculty expertise**

Sr. No.	Department	Name of the Faculty	Research areas
01	<b>Civil Engineering</b>	Dr. Anand R. Katti	Geotech.
		Dr. Hemant S. Chore	Structures / Pavement/ Soil-Structure Interaction/ Geotech.
		Dr. (Mrs.) Smita B.Patil	Environment/ Geo-Environmental
		Mr. P. t R. Barbudhe	Structures
		Mr. Prasad A.Dode	Environmental / Soil- Structure Interaction
		Mrs. B.Manjula Devi	Transportation/Structures
		Mrs. P. Kousitha	Geotechnical/ Pavement
		Mr. Sikandar A. Rasal	Structures/ Soil- Structure Interaction
02	<b>Computer Engineering</b>	Dr. S. D. Sawarkar	Neural Network
		Dr. S.L. Vaikole	Image Processing
		Mr. A. P. Pande	Adhoc Network
		Mr. C. M. Raut	VANET
		Mr. S. S. Karve	Cognitive Radio Network
		Mr. N. S. Patil	Image Processing
		Mr. M. M. Phadke	NLP
		Mr. S. N. Patankar	NLP
		Mr. A. N. Gulati	NLP
		Mr. C. S. Pawar	Image Processing



03	<b>Electronics Engineering</b>	Dr. D.J.Pete	Telecommunication
		Mr. S.R.Jajoo	Power Electronics, Control Systems and Optical Communication
		Mr. G.B.Lohiya	Embedded Systems
		Mr. P.S.Wankhede	Wireless Communication
		Mr. V.K.Jadhav	Antenna
		Mr. S.M.Patil	Image Processing
04	<b>Mechanical Engineering</b>	Mrs U S Pacharaney	Wireless Communication
		Dr. P. D. Deshmukh	CAD/CAM/CAE, Manufacturing Engg.
		Prof. (Dr.) R. R. Jaware	Manufacturing Engg. and Industrial Engg.
		Prof. O. G. Sonare	Manufacturing Engg.
05	<b>Chemical Engineering</b>	Prof. B. S. Kale	Mechatronics
		Dr.Mrs. K. S. Deshmukh	Reactive Chromatography
		Mr.P.M. Ingole	Solid waste treatment
06	<b>Information Technology</b>	Dr. S. R. Devane	Network Security
		S. R. Kolhe	Data Mining
		S. P. Nehete	Big Data

**3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.**

The institute encourages its faculty members from various departments to invite researchers of eminence of national and international repute to visit the campus for expert talks in workshops/seminars/ continuing education programmes, etc. and for research

---



collaborations presentations. The particulars of this are enumerated in the respective profiles of the departments which are a part of the SSR- Volume II.

Presence of such renowned persons in the campus gives the opportunity to the faculty and students/ research scholars to interact with them. It also helps the faculty to get abreast of the updated information about the latest research developments in their domain areas.

**3.1.9 What percentage of the faculty has utilized sabbatical leaves for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

Around 5-10% of the faculty has utilized the sabbatical leaves for research activities. This practice has helped in the speedy completion of PhDs of faculty members and also resulted in the enhancement of the quality of their research work. Also, this lucrative offer has motivated other faculty members to join PhD programs in reputed institutes thereby inducing the research culture among the teachers. Moreover, the institute has got the research centres in Civil, Computers and Mechanical Engineering and therefore, many of the faculty members are pursuing their Ph. D here itself.

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab tol and).**

Some of the initiatives taken up by the institute in creating awareness/ advocating/ transfer of relative findings of research of the Institution and elsewhere to students and community (lab to land) include:

- Organization of guest lectures by various experts on their research for faculty and students.
- Encouraging the faculty members to deliver expert lectures in their area of research in the neighboring institutions.
- Organizing visits of the students and faculty members to renowned research organizations.
- Organizing various technical festivals thereby introducing the students to different aspects of technological advances.
- Encouraging the students to participate in inter college festivals/ tech fests.
- All encouragement and support is given to students to display their creative



skills by way of exhibits and also written articles or webinars.

- Students are encouraged and coached to compete in competitions like Aavishkar: an annual research competition organized at State level.
- Encouraging the students to author a technical/ research papers in the conferences and journals of national and international repute.
- Organization of the National/ International Conferences at the Institute level.

### 3.2 Resource Mobilization for Research

#### 3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

For research and development, 5% of the total budget is earmarked. The institute has sanctioned a budget of Rs. 2935 Lakhs for the current academic year, i.e., 206-17. The amount to be earmarked separately from the total budget is distributed amongst the various departments taking into consideration the requirements from the respective departments. The total budget is for four years is given in Table 3.7.

**Table 3.7: Total budget**

Year	2013-14	2014-15	2015-16	2016-17
Amount (in Lakhs)	2510	2356	2455	2935

The budget meant for the administrative expenditure includes expenses to be incurred on advertisement, bank interest, commission and charges, building maintenance, electricity bills, electrical maintenance, generator maintenance, watercharges, employers contributions to PF, office and miscellaneous expenses, postage, telephone and internet expenses, repairs and maintenance, salary and honorarium, security service charges, staff and student welfare, rent and taxes, fees concession to students, gratuity payment, lift maintenance, plumbing material charges, supervision charges, conservancy charges, PF admin charges, etc. The administrative budget is given in Table 3.8.

**Table 3.8: Budget for administrative expenses**

Year	2013-14	2014-15	2015-16	2016-17
Amount (in Lakhs)	1145	705	650	690

DMCE budget towards academic activities includes the expenses affiliation /application and registration, inspection fees, computer maintenance, examination conduction and

---



remuneration, Laboratory and office renovation expenses, laboratory recurring expenses, printing and stationary, equipment maintenance, electronic lab recurring expenses etc. The budget for academic activities is given in Table 3.9.

**Table 3.9: Budget for academic expenses**

Year	2013-14	2014-15	2015-16	2016-17
Amount (in Lakhs)	1310	1600	1750	2200

The budget details for research and development activities includes the expenses towardsthe subscription of newspapers and periodicals / Magazines,journals conduction of seminars and conferences, travelling and conveyance expenses, etc.The budget for R & D activities is given in Table 3.10.

**Table 3.10: Budget for Research and Development Activities**

Year	2013-14	2014-15	2015-16	2016-17
Amount (in Lakhs)	55	51	55	45

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?**

The institution has got provision for funding for research activity by its faculty members and students. The proposal and the estimate of expenditure for the research project are sent for approval to the higher authorities. Advance seed money of about 10% of total project cost is disbursed to the faculty member/ department. Further grants are provided based on the need and progress of the project.

The faculty are encouraged to obtain project grants from other governmental agencies like DST, AICTE, BRNS, UoM, etc. There is no upper limit for the number of proposals from the faculty member in any department.

In spite of the provision for seed money towards research, the faculty members have carried out the research through the projects sponsored by some of the aforementioned agencies.

**3.2.3 What are the financial provisions made available to support research projects by students?**

The institute provides financial support to the undergraduate, postgraduate students and research scholars to take care of the expenses incurred for their projects/ research works, if sought. The proposal in this regard is forwarded through the guides and endorsed by the Head of the Department. Subsequently, the proposal is forwarded to the Principal for final approval.

**3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.**

In this modern era, the interdisciplinary research has assumed an importance. In order to inculcate the culture for the interdisciplinary research amongst the various departments, the faculty members are encouraged to carry out interdisciplinary research work. The encouragement is also provided amongst the faculty members for carrying out such type of research in association with other institutes/ organizations.

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

The optimum use of the various equipments and research facilities of the institution is made by its staff and students. These facilities are used primarily for the routine academic purpose. Even some of the equipments/ facilities available in the institute are used by the staff and students for academic purpose even if the same is not prescribed in the syllabus. However, it is used for teaching-learning beyond curriculum.

The equipments/ research facilities required for the purpose of the research is used by the researcher/s in the slots available in the time table during working hours. In addition to this, these facilities are used after working hours and even on weekends by the researchers. The record of the use of the facilities is maintained.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.**

Yes. The institute is in receipt of the grants for the sponsored projects through which efforts were made to develop the research facility. The grants were provided by the University of Mumbai under its scheme of ‘Minor Research Grant’, the details of which are given in Table 3.11.

**Table 3.11: Particulars of the research projects sponsored by the University of Mumbai**

Sr. No.	Name of the faculty with its role	Dept.	Amount (Rs. In Lakhs)	Year during which the project was executed.
1	Mrs. S.B. Patil (PI) Dr. H.S. Chore (Co-PI)	Civil	0.25	2013-14
2	Mr. S.A. Rasal (PI) Dr. H.S. Chore (Co-PI)	Civil	0.20	2014-15
3	Mrs. S.R. Kolhe (PI) Dr. S. D. Sawarkar (Co-PI)	IT Computer	0.25	2014-15
4	Mrs. Chhaya S. Pawar (PI) Dr. S. D. Sawarkar (Co-PI)	Computer	0.25	2014-15
5	Mrs. Kakuli Maiti	Humanities & Science	0.33	2014-15
6	Dr. H. S. Chore (PI)	Civil	0.65	2015-16
7	Dr. (Mrs.) S.B. Patil (PI) Dr. H. S. Chore (Co-PI)	Civil	0.30	2016-17 (On-going)

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

The institution creates awareness amongst their faculty members and students about the different research schemes floated by various organizations/ agencies. The senior faculty members also encourage the faculty members and researchers to prepare the research proposals and also help the faculty members to identify the specific thrust areas of the research of the various organizations/ agencies so that the large funding can be attracted. In addition to this, the institute, if required and sought, bears all the necessary expenses required in the initial stage of the submission of the research proposal. The help is also sought through the vast network of alumni placed at the key positions in renowned organizations for procuring research funds from them.

The institute has completed many assignments of the Sponsored Research and Consultancy Projects. The institute has received a total grant of Rs. 1.93 Lakh in all in last four years. The details of these projects are given in Table 3.12.



**Table 3.12: Details of the research projects  
(Minor Projects)**

Duration Year	Title of the Project	Name of the funding agency	Total Grant (Rupees in Lakhs)		Total grant received till date
			Sanctioned	Received	
2013-14	Contaminant Transport through Saturated Porous Media: An Experimental Study	University of Mumbai	0.25	0.25	0.25
2014-15	Non-linear Soil- Structure Interaction of Framed Structures		0.20	0.20	0.20
2014-15	Document retrieval: Evaluation and Optimization		0.25	0.25	0.25
2014-15	A New Approach For Video Compression		0.25	0.25	0.25
2014-15	Synthesis, Characterization of doped Z <sub>n</sub> O for dye degradation		0.33	0.33	0.33
2015-16	Experimental Investigations into the Rheological Behaviour of Smart Dynamic Concrete		0.65	0.65	0.65
2016-17	Experimental Investigations into the Rheological Behaviour of Cement Paste		0.30		

### **3.3 Research Facilities**

#### **3.3.1 What are the research facilities available to the students and research scholars within the campus?**

Separate funds are allocated to each department every year so as to enable it to procure any new equipments, computers and software required for creating the research facilities to be used by the research scholars. Similarly, funds are also allocated for the maintenance of the existing equipments and computational facilities; and maintenance of equipments/computers and renewal of the license of the software.



The particulars of the facilities available in various laboratories of the different departments of the institute provided with the state of art equipments are given below in Table 3.13-3.18.

**Table 3.13: Research facilities in the Department of Civil Engineering**

Sr. No.	Lab Name	Lab Details	Cost
1	Material Testing Laboratory	UTM 1000kN, Comp. Testing M/c, Abrasion Testing M/c, Torsion Testing M/c.	17,20,741
2	Environmental Engineering Laboratory	BOD Incubator, COD Digester, High Volume Sampler, Jar Test App.	5,60,375
3	Transportation Engineering Laboratory	Ductility, Marshal Stability, Los Angel's Abrasion Test, CBR.	2,25,437
4	Concrete Technology Laboratory	Comp. Testing M/c, Vee Bee App., Flow Table, Concrete Mixer.	5,56,730
5	Survey Store	Total Station, Theodolite, Auto Level, Dumpy Level, Digital Planimeter.	15,23,411
6	Geotechnical Engineering Laboratory	CBR, Triaxial Testing M/c, UCS Testing M/C, Consolidation App., Permeability App.,	11,97,638
7	Engineering Mechanics Laboratory	Beam Reaction App., Friction Slide App., Jib Crane, Fly Wheel	1,11,512
8	Fluid Mechanics & Hydraulics Laboratory	Tilting Flume, Pelton Wheel Turbine, Francis Turbine, Reynolds App., Orifice Mouthpiece App	9,53,627
9	Engineering Geology Laboratory	Rock Samples, Mineral Sample, Geological Structural Models	1,25,000
10	Computational Laboratory	Computers, Staad Pro. 2007, ETABS.	21,11,859

**Table 3.14: Research facilities in the Department of Electronics Engineering Department**

Sr.	Lab Name	Lab Details	Cost
1.	Electrical Machines & Instruments Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Meters, Dimmer, Transformer, Multimeter, Desktop PCs	2,80,046.86
2	Communication Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Meters, Color Pattern Generator, Trainer Kits, Desktop PCs	10,20,871.81
3	VLSI Laboratory	DELL PCs, Microwind Software, Development Boards, Embedded Kits with Software	12,03,150.00
4	Computer Laboratory - 1	INTEL PCs, Open Source Software/s	5,73,000.00
5	Electronics Circuit Analysis & Design Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Meters, Multimeter, Desktop PCs, PSPICE – ORCAD Software	9,23,133.00
6	PG Lab – 1 / Research Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Meters, Zenith PCs, Microwave bench	7,71,917.00



7	Basic Electrical & Electronics Engineering Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, AC / DC Meters, Wattmeter, Multimeter, Dimmer	4,77,516.56
8	Power Electronics Laboratory	Trainer Kits, Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Multimeter,	2,75,360.00
9	Digital Signal Processing Laboratory	Desktop PCs, Trainer Kits, Software/s	14,76,620.00
10	PG Lab – 2	Zenith PCs, Open Source Software/s	1,08,000.00
11	Electronics Workshop Laboratory / Project Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Meters, PCB Lab Software, Trainer Kits, Multimeter	6,10,382.00
12	Digital Design and Microprocessor Laboratory	Regulated Dual Power Supply, Regulated Single Power Supply, Function Generator, CRO, Meters, Trainer Kits, Multimeter, Zenith PCs	4,71,389.57

**Table 3.15: Research facilities in the Department of Computer Engineering**

Sr. No.	Lab Name	Lab Details	Cost
1	Programming Lab	PCS Computers 2.66 GHz, 1 Gb Ram 80 Gb HDD, SWITCH 24 PORT, KB, MOUSE, CABLE Printer Dot Matrix, Networking, AC	5,59,700
2	System Programming Lab	Acer PCs, Venation M-200 Intel core i3 Proc, Open Source Software's. Printer Laser & Dot Matrix, Networking, AC	6,01,600
3	Software Engineering Lab	Acer PCs, Venation M-200 Intel core i3 Proc, Open Source Software's, Printer Dot Matrix, Networking, AC	5,47,100
4	Electronics Devices Lab	Aplab 30 MHZ dual trace Oscilloscope, 8086 up Kit, Dual Power supply, CRO, Function Generator, Multimeter	1,49,389
5	Graphics and Multimedia Lab	Intel Core I3 PCs 3.0 GHz, 6th Gen., 4Gb Ram, 1 TB HDD, Lcd, Kb, Mouse, Open Source Software's, Printer Laser & Dot Matrix, Networking, AC	6,33,900
6	Web Engineering Lab	Intel Core I3 PCs 3.0 Ghz, 4th Gen., 4Gb Ram, 1 TB HDD, Lcd, Kb, Mouse, Open Source Software's, Printer Laser & Dot Matrix, Networking, AC	5,75,600
7	Artificial Intelligent Lab	Core I3 PCs, 4 Gb Ram, 1 TB HDD, Lcd, KB, Mouse, Open Source Software. Printer Dot Matrix, Networking, AC	6,48,700
8	Networking & Security Lab	Core I3 PCs, 4 Gb Ram, 1 TB HDD, Lcd, KB, Mouse, Open Source Software. Printer Dot Matrix, Networking, AC	6,48,700
9	Digital Signal & Image Processing Lab	Acer PCs, Venation M-200 Intel core i3 Proc, Open Source Software's, Printer Laser & Dot Matrix, Networking, AC	6,01,600
10	Advanced Database Lab	Acer PCs, Venation M-200 Intel core i3 Proc, Open Source Software's Printer Laser & Dot Matrix, Networking, AC	6,01,600
11	Post Graduate Lab	Intel PCs - 2.66/3.4 Ghz, 1 Gb Ram 80 Gb HDD, SWITCH 24 PORT, KEY BOARD, MOUSE, CABLE Printer Dot Matrix, Networking, AC Smart Board, Projector	6,23,900

---

**Table 3.16: Research facilities in the Department of Mechanical Engineering**

Sr. No.	Lab Name	Lab Details	Cost
1	CAD/CAM and Robotics	CAD/CAM Softwares, Ansys, Ideas, Creo	2287421
2	CNC Lab	CNC Turning Lathe Machine along with Computer System(Semi Auto), Robo Arm	1456299
3	Computational Lab(Gui&Dbms)	AutoCAD 2009 (20 User license) Computers, S/w, Printers	1127230
4	Heat & Mass Transfer	Conduction, Convection, and Radiation Measurement Test Rigs	420185.25
5	Internal Combustion Engine /Thermal/Auto	Single Cylinder Diesel Engine (SHP) Four Storke Four Cylinder Disel Engine Single Cylender Petrol	1002192
6	Material Technology	Microscope Tinocular With cctvArticialFalut Test Specimen Microscope Binocular Mettal etc.	292553.3
7	Measurement Lab	LVDT, Stroboscope, Strain Gauges.	513795
8	Mechatronics	Electro – Pneumatic Trainer Kit with Computer System Pneumatic Trainer Pneumatic Trainer Kit etc.	2289450
9	Pg-Lab1	Computer Systems	110000
10	Refrigeration And Air Conditioning	Refrigaration Tutor ICC Plant Solar Lantern Heat Pump Photo Voltaic Educational Kit	381170
11	Theory Of Machines & Vibrations	Whirling of ShalfMotorised Gyroscope with Speed Regulator Motorised gyroscope etc.	434626

**Table 3.17: Research facilities in the Department of Chemical Engineering**

Sr. No.	Lab Name	Lab Details	Cost
1	Chemical Reaction Engineering	Plug Flow Reactor Combine Flow Reactor Continuous Stirred Tank Reactor Cascade CSTR	498482
2	Chemistry Lab	COD digestion apparatus,melting point apparatus,rotaryevaporator,vicats apparatus	355692.91
3	Heat Transfer Lab	Shell And Tube Heat Exchanger Double Pipe Heat Exchanger Heat Transfer Through Composite Wall etc	191205
4	Computer Application Lab	Printer Diskjet 3745,Computers,Hysis, Gpromps	1200598
5	Instrumentation & Process Control	Interacting tank, Non interacting tank,1st and 2nd order system, level control,flow rate control	689281
6	Mass Transfer Operation Lab	Fractional distillation& Cooling tower unit Absorption in packed column Fluidized bed dryer etc	468929
7	Solid Fluid & Mechanical Operation Lab	Jaw Crusher Vibrating Screen (Manually, Electrically) Pulverized (Hammer Mill) Ball Mill	486393
8	Environmental Engineering	Sound level meter,spectrophotometer,etc	253457

**Table 3.18: Research facilities in the Department of Information Technology**

Sr. No.	Lab Name	Lab Details	Cost
1	DataBase Lab	Desktop Computers	740500
2	DataMining Lab	Desktop Computer	950000
3	Hardware Lab	Microprcessor Kits	434727
4	Multimedia Lab	Desktop Computers	750000
5	Network Lab	Desktop Computers	750000
6	Programming Lab-1	Desktop Computers	1190000
7	Security Lab	Desktop Computers	840000
8	Software Lab	Desktop Computers	1050000
9	System Lab	Desktop Computers	1325643
10	Web Technology Lab	Desktop Computers	740580

---



### **3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

We, at DMCE, are consistently striving hard for improving its infrastructural facilities so that the research in the new and emerging area can be undertaken. The faculty members and the researchers are encouraged to attend the research programmes, continuing education programmes to acquire the knowledge beyond regular curriculum exercise. Moreover, they are encouraged to attend the conferences of national and international repute where they can get an opportunity to interact with the researchers from other institutes/ organizations and from where they can disseminate the current state of the art of such research areas. They are sanctioned the special leave for this purpose and reimbursed the expenses involved in attending such events. This generates the research culture amongst them.

The institute creates awareness amongst the faculty members and the researchers about various research promotion schemes floated by various organizations/ agencies ; and encourage them to prepare and submit the research proposals to such agencies. The institute provides them all the support required that includes moral support, administrative and logistic support. The research grants received by the investigators are utilized for developing the new research facility and updating or sometimes maintaining the existing facility.

For the successful research, the state of the art library having rich text and reference books, handbooks, the codes and specifications of the various regulatory authorities, standard and reputed journals is needed. Moreover, the accessibility to the various knowledge data bases and e-journals is one of the essential pre-requisite for the research. We at DMCE, has got this facility. Every year new titles and volumes are procured. The central library of the institute has got the tie up with the central library of the country's premier institute, Indian Institute of Technology Bombay, Powai, Mumbai. This also helps the researchers to the greatest possible extent as the IIT is located barely 14 kms away from the Institute. The central library at DMCE is rich in terms of the all the resources required for nourishing the research culture and helps for the successful completion of the research projects or research. In addition to this, Departmental Libraries also cater to the needs of the students in addition.

The institute has got internet and wi-fi facility which can be used by the faculty and researchers for gaining the information needed for the purpose of the research. The institute systematically makes an efforts in upgrading the existing and creating the new research facility through proper planning.



**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If ‘yes’, what are the instruments/facilities created during the last fouryears.**

Yes. The institute is in receipt of the grants from the beneficiary agencies for undertaking the research projects which also envisages the developing the research facility. The particulars of the grants received in last four years are already furnished in table 3.11-3.12.

Some of the researchers used the grants for developing/ fabricating the new set ups. Few researchers used the grants for purchasing the consumables contained in the research while some of them used the grants for purchasing costly reference materials.

**3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other researchlaboratories?**

The students and research scholars who carry out their research work either in full or in parts are provided moral, administrative and financial supports. The institute has got a working understanding with many organizations and research and development organizations. The faculty members who carry out their research in other organizations/ outside laboratories are given facility to do their work on one or two days and their workloads are adjusted. For students, adjustments are made in their time table if at all required.

Many of our students are carrying out their research work in the laboratories of the institutes / establishments/ organizations other than our own institute. The institute has entered into ‘Memorandum of Understanding’ with many organizations.

**3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for theresearchers?**

The institute has got open access central library rich in terms of books (text and reference, encyclopedia, dictionaries, handbooks and manuals), journals, magazines, newspapers, e-journals, specifications of the various regulatory bodies in different fields of the engineering.

The institute keeps eye on current trends in the field of engineering as well as new resources of knowledge. Every year there is an addition in this treasure. Moreover, it is updated as well periodically. The institute has got internet access to the various e-journals. The institute has got the tie up with the central library of IIT Bombay whereby our students and researchers can utilize the library facility of IIT Bombay. In addition to



this, central library has got the membership of DELNET through which the students can have an access to books, journal data bases, multimedia databases, e-journals and open access journals. Library has registered to NDC.

The institute has got internet access and wi-fi. The library is equipped with ten computers with the help of which the faculty members and researchers can extract the information they want.

The library has developed a library web site which provides information about library, its services and important links to information resources. The library has applied quick response codes to its e-resources. Users can reach their resources in a single click using their own smart phones.

Central library gives open access to its users. Library automation has been done. Book lending services is performed by using library management system. Bar coding has been done for all the books. Book searching facility has been made available to the users. The reading hall of the central library has got the capacity of 200 users at a time. PG students and research scholars has been provided separate sitting arrangement.

Any new additions/ updates in the library resources are brought to the notice of the faculty members, students and researchers. A new arrivals in terms of treasure is also brought to the notice of all concerned so that the requisition in this regard can be put forward to the competent authorities through proper channel.

**3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology, etc.**

DMCE has put in the maximum efforts to collaborate with the institute/ research and development organizations of national and international repute. Apart from this, some financial assistance has also been provided by some of the organizations whereby students develop some models, equipments, experimental set ups, etc. These facilities have been used for carrying out research work as a part of the ME Dissertation/ PhD Thesis.



### 3.4 Research Publications andAwards

#### 3.4.1 Highlight the major research achievements of the staff and students in terms of

- **Patents obtained and filed (process andproduct).**

As of today, there are no patents either obtained or files based on the research carried out by any of the faculty or research scholar. However, some of the research work recently concluded and few more likely to be completed in the near future has got the potential wherein the patent can be filed in regard with the process/ methodology.

- **Original research contributing to productimprovement.**

The institute encourages the researchers to undertake the original research and report the same in the peer reviewed/ refereed journals. Many of our ME and Ph D students have carried out the original research which has been documented in the refereed journals.

- **Research studies or surveys benefiting the community or improving the services.**

Many of the research work carried out by some of the researchers (ME/ PhD) benefits the community and also improve the services. For example, the research work carried out on the utilization of Pozzolanic industrial wastes in soil stabilization or in concrete renders the sustainable civil engineering material which reduces the pollution which otherwise would occur due to disposal problem of such waste material. Use of discarded tyres as a reinforcing materials as a part one of the research also is a step towards such research. The research involved in these works is beneficial to the community/ society.

The details of the research work carried out by the researchers of the various Departments are furnished in the profile of the individual Departments.

- **Research inputs contributing to new initiatives and socialdevelopment.**

Many of the research work carried out by several researchers (faculty as well as students) imparts the input which contributes to the new initiatives and social development.

As mentioned in the preceding sub-section, the research work in regard with the utilization of industrial waste as a sustainable construction material essentially contributes to the new initiatives and social development.



**3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

No. The institute does not publish the research journals either independently or in collaboration with other agency or publishing house. However, our faculty members are on the board of editors as well as reviewers of many refereed journals of national as well as international repute.

**3.4.3 Give details of publications by the faculty and students:**

- Publication per faculty
- Number of papers published by faculty and students in peer reviewed journals (national /international)
- Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host,etc
- Monographs
- Chapter inBooks
- BooksEdited
- Books with ISBN/ISSN numbers with details of publishers
- CitationIndex
- SNIP
- SJR
- Impactfactor
- h-index

The following table indicates the publication details of faculty for previous four years.

**Table 3.19: Department wise publications by the faculty members**

Department	Number of Faculty	Number of Journals	No. of Conferences	No. of Books	Total Citation	h-index
Civil	26	86	347	02	217	10
Computer	27	277	139	06	252	10
Electronics	35	70	167	0	37	0
Mechanical	34	88	138	01	16	3
Chemical	13	250	40	0	534	22
IT	12	17	17	0	25	0

---



Many of the journals in which our faculty members have published the papers are indexed in Web of Science/ Scopus/ Google Scholar

#### **3.4.4 Provide details (if any)of**

- Research awards received by the faculty**

Nil

- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally.**

Dr. H.S. Chote has been nominated as the member of the editorial board of the ‘Advances in Computational Design: An International Journal’, a peer reviewed journal by the Techno Press Publishers, South Korea. In addition to this, he is on the board of reviewers of various peer reviewed journals of national and international repute.

- Incentives given to faculty for receiving state, national and international recognitions for researchcontributions.**

The faculty member who is on the fore-front of research and whose contribution is acclaimed at the various levels is awarded with the certificate of appreciation on the Teacher’s day Celebrations. Even the incentives in terms of the rise in salary or additional increments may also be given.

The institute also provides all the necessary support especially to young researchers so that there will be growth in research and development by identifying the eligible research and development activity.

### **3.5 Consultancy**

#### **3.5.1 Give details on the systems and strategies for establishing institute-industry interface?**

The Institute-Industry Interface equips the teachers to increase their knowledge beyond class room teaching and enhance their teaching skills and practices. It provides them an unique opportunity to connect and implement their classroom activities to the applications in the real world.In addition, it enhances the competitiveness of the teachers and the students in the industrial environment.

Some of the systems and strategies for establishing institute-industry interface include:



- Establishing contact with the experts from the industry by the faculty members in their respective domain of specializations /area of interests.
- Frequent interaction of the faculty members and the students with these experts.
- Organization of the workshops and seminars where these experts are invited to deliver the expert lectures and it helps the faculty members and students in identifying the thrust areas and burning issues in regard with their domain.
- The interaction with the industry people by the training and placement cell in order to seek feedback about the needs of the industry and convey the same to the respective department so that the later can chalk out the strategy to overcome the deficiency pointed out by the industry people.
- Deputing the students in various industries for the internship so that they can get an exposure to the industry.
- Helping the students to work on the live problem from industry view point for their UG/PG Dissertations.

### **3.5.2 What is the stated policy of the institute to promote consultancy? How is the available expertise advocated and publicized?**

The institute encourages and motivates its faculty to undertake the consultancy projects from various renowned organizations and provide consultancy services in the emerging and contemporary areas. The faculty members are also encouraged to render testing services to the various organizations. The institute has got expertise in the diversified areas of all the branches of engineering which runs UG, PG and Ph D programmes.

The rendering the consultancy services by the faculty members provides them practical knowledge and intellectual inputs which are of the prime importance from the industry view point. This can be integrated by the faculty members in their class room teaching and in this way; they can implement the teaching –learning practice in a more effective manner.

The faculty members from each department who are on the fore-front of rendering consultancy services approaches the various organizations/ establishments/ firms/ companies with the information brochure of the Department. This brochure comprises the particulars of the departments along with the faculty members, their areas of specializations and interest, the courses being run in the department, possible areas wherein the consultancy services can be extended, background of the consultancy work undertaken in the past if any. In view of this, the organization is requested to have an understanding with the respective departments from consultancy services view point. Some of the departments have got specially designed testing and consultancy cell to look after this particular task.



### **3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

The consultancy and testing work assigned to the institute is further sent to the respective department wherein the work is further assigned to the faculty members or group of the faculty members to undertake this work taking into the consideration the nature of the work and the specialization and area of interest of the faculty members.

The vacant slots of the Lab time table is used for carrying out the consultancy work. Even they are allowed to carry out the consultancy work after the institute hours and on weekends. If at all the consultancy work entails the visit to the site (as in case of the consultancy work in civil engineering), the faculty members or group thereof dealing with the assigned task are given special leave. Liberal revenue being generated from the consultancy fees charged by the institute is shared with the faculty members carrying out the consultancy work.

In addition to this, the faculty members are encouraged to interact with the experts from the industry/ field either by attending guest lectures and seminars or organizing the same at our institute. The faculty members are encouraged to publish the paper based on the consultancy work carried out by them in the journal or conference proceeding in association with the industry people. The institute has got a working understanding with many leading organizations/ industries/ agencies to augment experience and knowledge of our faculty members.

The faculty members carry out the consultancy work with the infrastructure available within the institute. However, any of the consultancy work warrants the procurement of new equipment, instrument, hardware or software with a view that the same will be useful in the future not from consultancy view point but also from the research and development activity view point, the institute encourages for the same.

### **3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.**

Some of the broad areas of consultancy includes the following:

**Civil Engineering:** Testing of various civil engineering materials and their characterizations, testing of water samples, scrutiny of the structural design of various civil engineering structures, etc. The total revenue generated from the consultancy services is Rs.4,68,850/-

**3.5.5 What is the policy of the institution in sharing the income generated through consultancy (Staff involved: Institution) and its use for institutional development?**

The institute encourages the faculty members to undertake the consultancy assignments from the leading organizations/ establishments/ agencies wherein they can provide their knowledge and intellectual inputs for completion of consultancy project which assumes an importance in the growth of the industry and subsequently, results in better industry-institute interaction.

The revenue generated from the fees charged towards the consultancy and testing projects is divided in two parts: institute share and faculty share. The institute share is utilized for developing the infrastructure and strengthening the facilities required for undertaking such works in future. This facility which is developed or strengthened from the revenue generated towards the consultancy can also be of use for the research. Similarly, 50%, 40% and 30% part of the revenue is shared with the faculty members who are involved in rendering the consultancy, testing and training respectively.

**3.6 Extension Activities and Institutional Social Responsibility (ISR)****3.6.1 How does the institution promote institution- neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

The DMCE encourages its students to undertake the community based activities through its Alumni Association and the students associations established in the respective departments and some other platforms of the students working in the institute irrespective of the departments. Some of the programmes/ activities undertaken include:

- Organization of blood donation camp in the campus.
- Tree plantation within the campus and in the nearby vicinity in order to improve the green cover and reduce pollution.
- Swatchcha Bharat Abhiyan and cleanliness drive in the nearby vicinity, railway stations, bus stations, etc.
- Health and hygiene awareness.
- Awareness about health and hygiene.
- Visit to orphanage for distributing the clothes, sweets, etc. amongst the orphans and also conducting career guidance for them.
- Organization of street plays to spread social awareness on some burning issues.
- Awareness campaigns – adult and woman education, environmental protection awareness.



- Drive against use of plastic drive in college and nearby surroundings.
- Active participation in anti-Raggingactivities.

Such activities help building of the personality development amongst the students, learning organization skills and subsequently, groomthem to become good citizens. Such in-depth training helps students in acquiring holistic development.

The students involved in such activities are awarded the certificate of appreciation.

### **3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenshiproles?**

The institute has got many students' associations in different departments, alumni association, student's grievances redressal cell, women development cell and in addition to this, some other platforms irrespective of the afore-mentioned associations or committees. Each of these associations, committees or other platforms are headed by faculty members or groups thereof. These associations, committees and platforms encourage the students to undertake such type social activities/ movements which promote citizenship roles.

These in-charges are aware of the students involved in such activities. They keep the record of the students and their participation in such activities. The frequent meetings are conducted by the in-charges in this regard wherein the activities to be undertaken are decided and follow up of the previous activities are taken. These in-charges also play in allocation of the budget to undertake such activities in consultation with the authorities. The in-charges also play pivotal role in conducting the workshops and orientation programmes which creates awareness about such type activities and also its role in the nation building.

The students involved in such type of activities are encouraged in terms of appreciation certificates and academic performance.

### **3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of theinstitution?**

The institute resorts to the following steps and measures to solicit stakeholder's perception on the overall performance and quality of the institution.



- **For internal stakeholders:**

The feedback from the students is taken at the end of every semester in regard with the teaching-learning process (quality of teaching, behaviour of teachers in the class, ability of the teachers to control the class, punctuality of teachers, honesty and quantum of the syllabus completion) and other items such as infrastructure and allied issues.

In addition to this, the students can submit their suggestions in the box kept in each department.

The faculty and technical supporting staff of the departments can give the feed back in regard with the teaching-learning and some other issues in the mettings of the Department.

- **External stake holders**

The external stake holders can give their feedback through feed back formsat the time alumni meet. They can also give their feedback, suggestions and recommendations through e mail.

Even the parents can meet the respective teachers and heads of the departments and can give their suggestions.

#### **3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.**

An extension and outreach programmes to be conducted in respective departments of the institute is planned at the beginning of the academic year. An action plan is chalked out and strategy is decided for implementing the programmes. The activities are carried out through different students associations and platforms, etc. The budgetary details for extension and outreach programmes for last four years are given in Table 3.20.

**Table 3.20: Budget for outreach programmes and extension activities**

Year	2013-14	2014-15	2015-16	2016-17
Amount (in Lakhs)	2	2	2.5	2.5

The institute has conducted several extension activities and outreach programmes. Some of them include:

- Organization of blood donation camp in the campus.
- Tree plantation within the campus and in the nearby vicinity in order to improve the green cover and reduce pollution.
- Swatchcha Bharat Abhiyan and cleanliness drive in the nearby vicinity, railway stations, bus stations, etc.
- Awareness about health and hygiene.
- Visit to orphanage for distributing the clothes, sweets, etc. amongst the orphans and also conducting career guidance for them.
- Organization of street plays to spread social awareness on some burning issues.
- Awareness campaigns – adult and woman education, environmental protection awareness.
- Drive against use of plastic in college and nearby surroundings.
- Active participation in anti-Ragging activities.

### **3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

The social consciousness of the top authorities (management and administration) is conveyed to the students and faculty members through the departmental heads. It promotes the participation of the students and the faculty and even technical supporting staff in extension and outreach activities. The institute provides moral, administrative and logistic support for the promotion of such activities. The appreciation certificates are awarded to the students. In addition to this, they are given academic incentives. The contribution of the faculty members is also acknowledged at the administration and management level.



Such types of activities are undertaken many a time in association with many NGOs/ organizations/ agencies working for the social cause. The institute does not have NSS or NCC.

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

The institute undertakes the social surveys, research or extension work in order to ensure the social justice and empower students from under-privileged and vulnerable sections of the society.

The students and faculty members help the students from under-privileged and vulnerable sections of the society in getting the scholarship from different organizations/ NGOs, etc.

The clothes, sweets, etc. is distributed amongst the orphan students by visiting them on the auspicious occasion of festivals. Even the career guidance programmes are organized for such students. Computers and other electronic equipments/ gadgets are also distributed at times. The festival such as Holi and Diwali is celebrated in orphan homes and remand homes to spread joy and happiness.

They are made aware about the significance of the health and hygiene by conducting health awareness programmes, Swatchh Bharat Abhiyan, etc.

**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

The students are exposed to variety of extension activities to complement their academic learning experience. Some of the skills inculcated as outcomes of the extension activities include:

- Sense of nationalism and patriotism.
  - Scientific approach for temper and critical thinking.
-



- Imbibing the ethical values such as social responsibility, brotherhood and fraternity.
- Leadership qualities, management skills and decision making ability.
- Analytical skill to evolve with best solution for professional and social life in the future.

**3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?**

The institution ensures the involvement of the community in its outreach activities by organizing many programmes and undertaking some of the activities through its students associations or various platforms available within the institute either independently or sometimes in association with some of the organizations working for the social cause. In such way, the institute contributes to the community development.

Some of the initiatives taken by the institutes are listed below:

- Tree plantation programme in the campus and in the nearby vicinity.
- Blood donation camp
- Awareness about the women empowerment and self defense.
- Swatchh Bharat Abhiyan
- Awareness about health and hygiene

All the stakeholders positively involve and support the various extension programme and outreach activities. Besides, such activities have a positive impact on teaching-learning activity, management, administration besides on environmental and social concerns.

**3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extensionactivities.**

The institute has forged constructive relationships with various institutions/ organizations of the locality for working on various outreach and extension activities.

For example, under the aegis of Rabale Police, the awareness programme on self defense



and sexual harassment is organized. In association with Lion's club of Rabale, blood donation camps are organized. In association with Traffic Police, traffic signal campaign is organized.

### **3.7 Collaboration**

**3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships, etc.**

DMCE maintains a proximal consortium with academic institutes of higher stature and established industries to achieve synergy between the industry and academic research. It has expressed convergence of will between various institutes (MoUs), association memberships, working understandings and collaborations to strengthen the critical technological areas.

DMCE has good comprehension with research institutions like BARC, IIT, BASF India Ltd, Gill Instruments Ltd., Bangalore and many others to provide facilities for conducting research. Gill Instruments Ltd. Bangalore regularly conduct technology improvement courses and training programme to make our students theoretical and industrial perceptive in the field of IOT and embedded systems. A memorandum of understanding has been signed with the Gill Instruments Ltd., Bangalore.

#### **Benefits:**

Significant improvement is observed in various facets of the institute in view of the collaboration with other institutes/ organizations, etc. There has been increase in the publications of the technical/ research papers in reputed journals and conference proceedings. There is a growing awareness amongst the students in regard with the significance of publication in peer reviewed/ refereed journals. As regards the projects, the students nowadays are undertaking industry oriented and real time projects. Even the UG students are carrying out the projects having significant research input. There has been rise in the research and development activities. Similarly, a noticeable improvement is observed in the training and placement activities. Moreover, our students are exposed to practical and industrial aspects through industrial internship, in-plant training, site visits and study tours, etc.

#### **Staff Exchange Programme**

Many of our faculty has been associated with some other institutes/ organization in the form of visiting faculty, guide for PG and PhD students. Some of them even deliver the expert lecture in other institutes/ colleges. Some of them includes: Dr. S.D. Sawarkar (Computers), Dr. S.R. Devane (IT), Dr. D.J. Pethe, Mr. S.M. Patil and Mr. S.R. Jajoo along with Mrs.



UtakarshaPacharney and Mrs. AsmitaNirmal (Electronics), Dr. R. R. Jaware (Mechanical), Mr. C. M. Raut, Mr. A. P. Pande and Dr. (Mrs.) ShubhangiWaikole (Computers), Dr. (Mrs.) K.S. Deshmukh), Mr. S.J. Kulkarni and Mrs. M.T. Sose (Chemical), Ms. Yogita Honrao and Ms. PrajaktaBhavar (Civil).

In addition to this, people from other institute also render honorary services to our institute in regard with teaching- learning activity. Dr. Shyamal Kumar Mukherjee (NHITM) teaches a course at DMCE for ME (Civil) students.

### **Sharing Facilities**

Some of the facilities of DMCE are shared by some other institutes/ organizations. Many of the state of the art equipments are used by few other institutes for teaching- learning activity. Even some of them have been used for consultancy purpose.

#### **3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

The institute has got collaborative arrangements with working understanding with some prominent institutions such as IITB, BARC, BASF India Ltd., Ambuja Cement and many others.

Many of the UG and PG and few research scholars carry out their Dissertation / Thesis related work in various laboratories of these institutes/ organizations. Even few experts from these institutes also guide the students. These institutes provide the experimental support to the students.

The institute has entered into the memorandum of understanding with M/s Gill International Ltd., Bangalore whereby the latter imparts the training to the faculty and students in the area of IOT and embedded systems periodically.

The collaborative arrangement yields the various benefits in the form of up gradation of the existing laboratory infrastructure, industrial research based projects, in plant training to the students, organization of the workshops/ seminars/ conferences, etc.

#### **3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/ creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz.**

---

**laboratories/library/new technology/placement servicesetc.**

Institute establishes interactions with industries and other organizations through Training Placement Office. Through these cells, institute has succeeded in establishing industry-institution-community interactions resulting in several benefits.

Such interaction encourages the faculty members to improve their teaching ability and also undertake research, consultancy and publish the technical and research papers.

The industry-institute interaction has resulted into the development of some of the equipments in few laboratories of the departments.

It has also resulted into the utilization of latest/ new technology in teaching-learning activities. Because of the industry-institute interaction, there is an improvement in the training and placement activities.

**3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last fouryears.**

The DMCE has conducted several continuing education programmes. Besides, few Departments have organized national and international conferences. Many eminent personalities from renowned organizations/ institutes have visited our institute and participated in various events. Their particulars are given below.

**Civil:** Dr. S. K. Shukla (Edith Covan University, Perth, Australia), Dr. D.M. Dewaikar, Dr. J. N. Mandal, Dr. Y. M. Desai, Dr. Tom Mathew, Dr. Gopal Patil (all IIT Bombay); Dr. V.A. Sawant (IIT Roorkee); Dr. G.R. Dodagoudar and Dr. S. R. Satish Kumar (IIT Madras); Dr. R. K. Ingle, Dr. L. M. Gupta, Dr. Ratnesh Kumar and Dr. (Ms.) SharbanyAdhikari (VNIT Nagpur); Dr. H.S. Patil, Dr. C.H. Solanki, Dr. Ravin Taylor (SVNIT Surat); Dr. P.P. Nagarale (SPCE); Dr. V. A. Patil (BRH Vangani); Dr. R.B. Magar (AIKTC); Dr. S. B. Charhate (HOC Pillai); Dr. V.B. Ashtankar (MCGM)

**Chemical:** R. G. Rajan (RCF); Dr. K. Raj Kumar (IRMRA Thane), Dr. M.P. Jain (IICChE, MRC); Mr. P. K. Saxena (Blast Carbo Blocks); ShridharChitnavis (AKER Solutions); Dr. Jyotirmoy Banerjee (KazStory Service); Mr. N. Ram Mohan (NPCIL, BARC); Mr. K. S. Rao (ThyssenKrupp Industrial Solution India); Mr. Sushil Kumar and Dr. RajarmGhatge(Reliance Industries); Prof. K.V. Venkatesh (IITB); Dr. ArchisYawalkar (Filtra Catalysts & Chemicals Ltd., Thane); Dr. ParagGogte (ITC, Mumbai); Mr.NandkishoreNere (Aditya Birla Science & Tech. Company Ltd.); Dr.V.Ramesh (D.J. Sanghavi COE); K. Sahastanamam (ThyssenKrupp Industrial Solution India)

---



---

---

**Mechanical:** Mr. Mahajan (Immersion Co.)

**Electronics:** Mr. NinadVarale (Entrepreneur); Dr. R.N. Duche (LTCOE); Dr. UttamKolekar (APSCOE); Dr. Deepak Bhoir (FRCOE); Dr. M.K. Gupta (TCOE); Dr. B. Mande (DBIT); Sanjay Choudhary (Electronics Study Center, Jalgaon)

**Computers& IT:** Mr. Navendu Mishra (O Source India Pvt. Ltd.); Mr. Rahul Kulkarni (TCS); Mr. D.D. Ambawade (SPIT)

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated-**

- a)** Curriculumdevelopment/enrichment
- b)** Internship/ On-the-jobtraining
- c)** Summerplacement
- d)** Faculty exchange and professionaldevelopment
- e)** Research
- f)** Consultancy
- g)** Extension
- h)** Publication
- i)** StudentPlacement
- j)** Twinningprogrammes
- k)** Introduction of newcourses
- l)** Studentexchange
- m)** Anyother

There are many collaborations/ working understanding/ memorandum of understandings which has resulted into worthwhile result and development, continuing education programmes, summer internship, in-plant training, curriculum development, consultancy, placements, etc. The particulars of the activities, linkages and enhancement / facilitations, etc. are given below in Table 3.21

**Table 3.21: Activities, link and Beneficiaries**

Activity	Link	Beneficiary
Curriculum Development/ Enrichment	The faculty members of the institutes; members of the board of the studies, experts from the industry; development of the courses based on the needs of the industry; development of the outcome based courses; affiliating University	Students, Faculty, Industry
Internship/ on-the job training	Student; training and placement cell; Industry/ organization	Students, Industry/ Organization, Institute
Summer Placement	Students; training and placement cell; Industry/ organization	Students, Industry/ Organization
Faculty Exchange and Professional Development	Faculty, parent institute and remote institute, students of the remote institute	Faculty, parent institute, remote institute, students of remote institute
Research	Faculty, student, institute, industry/ organization	Faculty, students, institute, industry/ organization and community
Consultancy	Faculty, institute, industry/ organization	Faculty and Institute
Extension	Faculty, students, Institute, other organizations	Faculty, students, community
Publication	Faculty and students	Faculty, students and the community
Students placement	Students, training and placement cell, industry/ organization	Students and industry/ organization
Training Programmes	Faculty, students, experts from other organizations/ institutes/ industry	Faculty and students
Introduction to new courses	The faculty members of the institutes; members of the board of the studies, experts from the industry; development of the courses based on the needs of the industry; development of the outcome based courses; affiliating University	Students, faculty and the industry

**3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.**

**Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.**



- The senior and experienced faculty of the institute observes and promotes research activities in collaboration with various institutes, organizations and industry.
- The institute has got working understanding with many leading institutions, organizations and industry. It has entered into the memorandum of understanding with few other industries.
- The research culture is promoted in the institute.
- The faculty members are encouraged to prepare the research proposals either independently or in conjunction with the students so that the grants can be fetched from various sponsoring authorities/ agencies.
- Specific budgetary provision is made in the total budget of the institute for research and extension activities.
- The institute encourages the faculty members to author a technical and research paper and submit it to the refereed journals for publication.
- The institute encourages the faculty members and even students to present their findings in the conferences of national and international repute. They are reimbursed for the expenses incurred in this activity.
- The institute provides all the necessary infrastructure required for carrying out the research.
- The institute provides all the moral, administrative and logistic support for any endeavor which results into the worthwhile research work.
- The institute regularly organizes the continuing education programmes/ conferences/ symposiums, etc.
- The faculty members are encouraged to undertake the consultancy assignments and provide the necessary support.
- The institute welcomes the participation of the faculty and students in extension/ outreach/ community services.



## Criterion IV: Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

DMCE works out on strategies keeping long term approach so that along with the requirements of guiding and regulating bodies the future plans and expansion can be achieved. Following information states about the facilitating the parameters for creation and enhancement of infrastructure for effective teaching and learning method.

- All the physical facilities are as per the AICTE and University of Mumbai norms.
- Whenever new courses are added and intake is increased the facilities are upgraded accordingly.
- Laboratory equipments are added as per the requirement of curriculum.
- Library resources conform to the demands of subject requirements of all the departments with additional recourses helpful to the students as well as staff.
- Internet facility can be access from anywhere in the campus.
- The institute has a different facilities like IT resources, departmental laboratory equipments, library resources, sports ground, first aid room, reprographic facility, canteen and gymnasium.
- Classrooms, seminar hall, computer labs and tutorial rooms are available to each department.
- Seminar hall is equipped with audio and video facility.
- A computer is provided to faculty.

**Table 4.1: Key parameters of infrastructure.**

Sr.	Item	Area required as per AICTE, 2016.	DMCE Figures
1	Land Area	1.5 Acres	2.47Acres
2	Carpet area /class room	66 sq. m.	66 sq. m.
3	Total classrooms UG	31	35
4	Total Classrooms / Tutorialroom of PG	4	7
5	Administrative Area	<ul style="list-style-type: none"><li>• Principal: 20 sq.m</li><li>• Board Room: 20 sq.m</li><li>• Office all incl.: 150 sq.m</li><li>• Department office: 20 sq.m</li><li>• Cabins of HOD: 10sq.m</li><li>• Faculty rooms: 5 Sq.m</li><li>• Central Stores: 30 sq.m</li><li>• Security: 10 sq.m</li></ul>	<ul style="list-style-type: none"><li>• Principal: 40 sq.m</li><li>• Board Room: 20 sq.m</li><li>• Office all incl.: 156.67 sq.m</li><li>• Department office: 28 sq.m</li><li>• Cabins of HOD: 20 sq.m</li><li>• Faculty rooms: 973.5 sq.m</li><li>• Central Stores: 49.5 sq.m</li><li>• Security: 10 sq.m</li></ul>



		<ul style="list-style-type: none"><li>• Housekeeping: 10 sq.m</li><li>• Housekeeping: 10 sq.m</li></ul>	
		<ul style="list-style-type: none"><li>• Pantry for Staff: 10 sq.m</li><li>• Examination Control: 30 sq.m</li><li>• Placement office: 50 sq.m</li></ul>	<ul style="list-style-type: none"><li>• Pantry for Staff: 10 sq.m.</li><li>• Examination Control: 40 sq.m</li><li>• Placement office: 96 sq.m</li></ul>
6	Carpet Area for Toilet	Ladies & Gents: 150 sq.m	Ladies & Gents: 530.6 sq.m
7	Carpet Area for Girls Common Room	75 sq.m	75 sq.m
8	Numbers of PCs: students		Ratio = 1:1
9	Faculty: Student ratio	1:15 (UG)	1:15 (UG)
10	Essential &	<ul style="list-style-type: none"><li>• Water Supply</li></ul>	<ul style="list-style-type: none"><li>• Water Supply: Yes</li></ul>
	Desirable Norms	<ul style="list-style-type: none"><li>• Staff Quarters</li><li>• Electrical Supply</li><li>• Sewage disposal</li><li>• Telephone Fax</li><li>• Vehicle Parking</li><li>• Institute website</li></ul>	<ul style="list-style-type: none"><li>• Staff Quarters: No</li><li>• Electrical Supply: Yes</li><li>• Sewage disposal: Yes</li><li>• Telephone Fax: Yes</li><li>• Vehicle Parking: Yes</li><li>• Institute website: Yes</li></ul>



	<ul style="list-style-type: none"><li>• First Aid</li></ul>	<ul style="list-style-type: none"><li>• First Aid: Yes</li></ul>
	<ul style="list-style-type: none"><li>• Institute Website</li><li>• Fire Safety</li><li>• Road Suitability</li><li>• General notice Board</li><li>• Transport</li><li>• Post and Banking/ATM</li><li>• CCTV Security</li><li>• LCD projector in Classrooms</li><li>• Insurance for Students</li><li>• Display of Course and approved Intake in the institute at the entrance of the Institute.</li></ul>	<ul style="list-style-type: none"><li>• Institute Website: Yes</li><li>• Fire Safety: Yes</li><li>• Road Suitability: Yes</li><li>• General notice Board: Yes</li><li>• Transport: No</li><li>• Post and Banking/ATM: No</li><li>• CCTV Security: Yes</li><li>• LCD projector in Classroom: Yes</li><li>• Insurance for Students: Yes</li><li>• Display of Course and approved Intake in the institute at the entrance of the Institute: Yes</li></ul>

Figure 4.1 shows that DMCE building is designed in such a way that it not only fulfills the norms but also environment friendly and provides features for safety. The building has well lighted and airy classrooms. Its unique feature of spaciousness gives aeration and acceptable look to all classroom and laboratories.



Considering the safety of people and assets, safety equipments are installed on each floor. Refugee areas can be used in case of emergency. Each floor safety exit plans are displayed. Generator facility is available for power backups.



**Fig. 4.1: Main building.**

Whenever management realizes the health and environmental issues and other such issues it coordinates with the concerned staff and accordingly make amendments. DMCE has also undergone renovation and all the classrooms and laboratories have been upgraded and equipped with the modern digital teaching aides ICT, smart boards, Wi-Fi connection facility, etc.

The management has vision to enhance the infrastructural facilities which can be availed by the most of the stakeholders.

**4.1.2 Detail the facilities available for**

- a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

The academic calendar is scheduled for curricular and co-curricular activities with proper planning by the HODs of the departments, so that all the activities can be carried out smoothly.

Table 4.2 shows number of classrooms, laboratories and tutorial rooms available in the institute for all UG and PG courses which are well satisfying AICTE norms. The average size of each classroom and laboratory is 66 sq. m.

**Table 4.2:** Detail of various facilities available in each department

Department	Facilities Available					
	Programme	Class Room	Laboratory	Workshop	Seminar Hall	Tutorial
Civil Engineering	UG	7	12	1	1	4
	PG	--	1	--	1	2
Electronics Engineering	UG	6	11	--	--	2
	PG	--	1	--	1	2
Mechanical Engineering	UG	6	9	2	--	2
	PG	--	3	--	1	2
Computer Engineering	UG	7	11	--	--	3
	PG	--	1	--	1	1
Information Technology	UG	6	10	--	1	2
Chemical Engineering	UG	3	10	1	1	2



**Fig. 4.2:** Typical classrooms in DMCE.

Favorable facilities, equipments and services are available to the faculty aiding in adequate research and enhancing teaching learning environment. There are seven seminar halls within the campus with well equipped audio/video facility. Each department has minimum two tutorial rooms to carry out practical sessions.



**Fig. 4.3:** Seminar hall.



**Fig. 4.4:** Conference hall.

**Fig. 4.5: Tutorial room.**

Each department has well equipped laboratories. The department wise details are given in Table 4.3. The laboratory space and equipments are adequate for the students to perform actively.

**Table 4.3: Details of laboratories.**

Sr. No.	Department	Room No	Perticular	Area in Sq. M.
1	Civil Engineering	A002	Computational Lab	80.72
2		A006	Applied Hydraulics	81.94
3		A007	Fluid Mechanics	72.18
4		A009	Concrete Technology	100.56
5		A010	Material Testing	69.46
6		A011	Geo Technical engg.	97.99
7		A012	Survey Store	23.14
8		A013	Enviormental.&Transport Engg.	95.96
9		A109	Computational lab	74
10		A313	Survey Store	126.85



11	Electronics Engineering	C309	Engg.Mechanics lab	73.5
12		C407	Engg. Geology lab	70
13		A305A	Post Graduate Lab	96.78
14	Computer Engineering	C1001	Em & I lab	70
15		C1003	Communication lab	70
16		C1004	VLSI	73.5
17		C1005	Computer lab 1	73.5
18		C1007	ECAD lab	70
19		C1008	Computational Lab	70
20		C1009	BEE lab	73.5
21		C1010	Power Electronics lab	73.5
22		C1104	DSP lab	73.5
23		C1108	Electronics Workshop	70
24		C1110	DD lab	73.5
25		C1105	Post Graduate Lab	73.5
26	Computer Engineering	A215	Language Lab	73.5
27		C401	Programming lab	70
28		C402	System programming lab	70
29		C501	Software Engg. lab	70
30		C502	Electronics-Devices lab	70
31		C503	Graphics and multimedia lab	70



32	Mechanical Engineering	C507	Web Engg lab	70
33		C508	Artificial intelligence lab	70
34		C601	Network and security lab	70
35		C603	Digital signal and image processing lab	70
36		C607	Adv. Database lab	70
37		A202	Post Graduate Lab	80.72
38	Chemical Engineering	A001	CNC M/C lab	71.22
39		A003	IC Engine lab/Thermal/Auto Lab	95.96
40		A005	Refrigeration Ac lab	97.99
41		A101	Material Technology lab	95
42		A103A	TOM lab	90.64
43		A105	CAD-CAM / Robotics lab	113.23
44		A106	Mechanical Measurement and Mechatronics lab	81.93
45		A107	Mechatronics lab	72.19
46		C908	Heat Mass Transfer-lab	70
47		A203	Research Lab	113.54
48		A206	Post Graduate Lab	71.22
49		C806	Research Lab	49
50	Chemical Engineering	A014	Mass transfer Operational lab	69.46
51		A015	Soild Fluid Mech lab	100.56



52	Information Technology	A210	Engineering Chemistry	96.04
53		A211	fe-chemistry-lab(Applied Chemistry)	114.99
54		A213	Computational lab	108
55		A214	CRE lab	73.5
56		A306	Environmental Engg (Chemical-lab) lab	84.87
57		A310	Applied Physics lab-I	84.87
58		A311B	Process Dynamic and control lab	98.78
59		A405	Applied Physics lab-II	99.76
60		C701	Programming lab	70
61		C702	Software lab	70
62		C703	System lab	70
63		C707	Internet lab	70
64		C708	Network lab	70
65		C801	Hardware lab	70
66		C807	Data mining lab	70
67		C901	Adv.Database lab	70
68		C902	Multimedia lab	70
69		C903	Security lab	70



**Fig. 4.6 shows typical layout usage pattern of laboratory within DMCE**

Digital Board is a technique deployed since 2016. Faculty members can save and review the lectures and students can download the running notes prepared through digital ICT smart boards as and when required.



**Fig. 4.7: Use of digital board**



Under the supervision and guidance of the faculty representative students actively participate in co-curricular activities. Students are given a free hand in planning and execution of these activities. Some of which are listed below:

**Table 4.4: Details of co-curricular activities.**

Sr. No.	Organization	Activity
1	DMCE sports	Tug of war, Cricket
2	FOME-DMCE	Technical Festival, Event Management and Market Economics, Industrial Visit, Blood Donation Camp
3	CATT-DMCE	Techfest, Seminars, Technical Quiz
4	EESA- DMCE	Blood donation camp, Tree plantation social event like donation camp
5	GITS -DMCE	Seminars, Workshop, Hackathon
6	SOCHE-DMCE	“Reaction-06”, “N.R.Kamath trophy CHEQ-2008”(Chemical Engineering Quiz Competition, “Outstanding Young Chemical Engineer blast Carboblocks-Thyssenkrupp Industrial solution Award 2016”
7	ACES-DMCE	Survey visits, Town planning ,Bridge it
9	Student Council	Milestone, Shiv Jayanti, Ganesh Mahotsav,Garja Maharashtra,Marathi Bhasha Din,Engineers Day, Teachers' Day, Tie Day, Saree Day,Engi
10	E-CELL	Entrepreneurship



Electronics Engineering Students Association [EESA] is electronics students council formed by Electronics students. Various seminars, workshops are organized by the committee.



The Forum of Mechanical Engineering Students [FOMES] is a self-sustaining student council that provides a platform for the all-around development of the students' personality and for the overall betterment of the college. It was founded in 2002. FOMES is designed with a mission to function as a multidimensional corporate unit.



Computer Association for Technological Trends [CATT] is a student body that organizes various events in DMCE. Various events like cultural events as well as technical events are been organized by the committee. CATT is also teams up with the other student bodies of other Departments to organize College events like Technical Festival – Technitude and Cultural Festival – Milestone.



Association of Civil Engineering Students [ACES] is the organizations formed by the students of civil engineering department for carrying out various academic and extra-curricular activities for betterment of student as well as society.



Student's Organization of Chemical Engineering [SOChE] is the student's governing body related to Chemical Engineering student's activites in collaboration with the Indian Institute of Chemical Engineers, Mumbai Regional Centre (IICChE-MRC). SOChE arranges industrial visit and guest lecture during the academic session



Group of Information Technology (GITS) is an apex student body, student's counsel that integrates the academic, co-curricular spares of student's life. GITS provides the out of class experience to the academic mission of the department and uplifting student's intellectual ,public service and leadership qualities. The GITS committee includes the members of Third year students. GITS committee solves student's problems .GITS committee promotes extra- curricular activities in the Information Technology Department. GITS fosters TECHNITUDE, Teachers day and Engineers day celebration etc .

- b) Extra-curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**
- 
-



Apart from Academic, D.M.C.E. has always encouraged its young and budding engineers to realize their potential in the fields of sports and the other extra-curricular activities. The Institute has well equipped gymnasium, one indoor badminton court and one basketball field.

Sportzilla which is an intercollegiate sports festival put forward by the student's sport committee. It was conceived in the year 2011-12. The foundation year was celebrated by successfully organizing inter-collegiate sports tournaments with a warm response from participants. Sportzilla marked with increased interest from various colleges in Mumbai University thus taking into the limelight of sports tournaments held under the varsity.



**Fig. 4.8: Sports activities**



**Fig. 4.9: Gymnasium.**



**Fig. 4.10: Badminton Court**

The **Student Council** committee organizes “Milestone” a cultural festival where students showcase their extracurricular talent. Students also celebrate special days like Teacher’s day, Engineer’s day etc. Marathi Vangmay – Garja Maharashta is a platform which has consistently proved its mettle in performing art by winning accolades in folk dances, skits, theatre and other forms of art. Festival like Ganesh Chaturthi is also celebrated every year.

---

---



**Fig. 4.11: Cultural activities.**

**Social wing DMCE:** Corporate Social Responsibility is initiated by motivating student forums organize blood donation camp, collect clothes, grains, toys, etc from students and staff and support weaker sections in and around Mumbai. It undertakes activities like –awareness drives (through seminar/street plays), various environmental activities (clean up drives, promoting renewable energy resources etc). The social wing at the institute is open for everyone who wants to volunteer for many such activities.

E-Cell points to be added



**Fig. 4.12: Social wings activities.**



**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).**

- Common facilities like central library, first year laboratories and departmental library, seminar halls, auditorium are utilized by all the departments.
- Access to library resources is for 10 hours a day with internet facility.
- Corridors and open spaces are utilized during technical festivals for setting up different hubs.
- Master plan of the institute and floor-wise structure details are included in Appendix A.
- ME and Ph.D programs, second shift of BE programs started in last 4 years and throws light on how infrastructure has been developed to accommodate increased number of students and new programs.

**Table 4.5: Details of new programs started in last 4 years.**

Sr. No.	Program	Department	Year of beginning	Infrastructure
1	Second shift for BE Program	Mechanical Engineering	2012-13	Existing Infrastructure
2	Ph D Program	Civil Engineering	2012-13	
		Computer Engineering	2013-14	
		Mechanical Engineering	2013-14	



The amount spent for last 4 academic years on academics, administration and R & D activities is listed in the Table below. The creation of additional space and up-gradation of laboratory space, etc. are shown as a part of administration expenses.

**Table 4.6: Total budget (in Lacs.)**

	2013-14	2014-15	2015-16	2016-17
<b>Academics</b>	<b>1310</b>	<b>1600</b>	<b>1750</b>	<b>2220</b>
<b>Administration</b>	<b>1145</b>	<b>705</b>	<b>650</b>	<b>690</b>
<b>R &amp; D</b>	<b>55</b>	<b>51</b>	<b>55</b>	<b>45</b>

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

Institute cares for the students and staff with physical disability. It has provision of ramps & lifts in the campus building for them. These students can reach their respective classrooms or Labs conveniently using wheelchairs also. Stretcher facility is available to rush for medical facilities.



**Fig. 4.13: Active lifts in DMCE with safety guards.**



**Fig. 4.14: Ramp, wheelchair, stretcher , First Aid**

e-books in good numbers are available for physically challenged students to access from their department also. ICT boards are made available so that lectures can be easily saved and then made available any time later to students especially those with physical disabilities.

#### **4.1.5 Give details on the residential facility and various provisions available within them:**

- |                                                            |    |
|------------------------------------------------------------|----|
| • Hostel Facility–Accommodation available                  | NA |
| • Recreational facilities, gymnasium, yoga center etc.     | NA |
| • Computer facility including access to internet in hostel | NA |
| • Facilities for medical emergencies                       | NA |
| • Library facility in the hostels                          | NA |
| • Internet and Wi-Fi facility                              | NA |
| • Recreational facility-common room with                   | NA |



- Available residential facility for the staff and occupancy NA
- Constant supply of safe drinking water NA

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- A talk is arranged for students and staff to make them aware about health care. First-aid medical box is available in each department.
- Hospitals are available at a distance of few hundred meters.
- Students and staff are made aware for First Aid Medical Help and situation handling in case of emergency.
- In laboratory students are made aware about the hazardous effect of electrical, mechanical and chemical energy that may arise if not handled properly.

**4.1.7 Give details of the Common Facilities available on the campus—spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium etc.**

Institute has made provision of space for various common activities required in the campus are as follows:

**Table 4.7: Various common activities**

Sr. No.	Description	Location
1	Women's development cell	C-204
2	Career Guidance	C-0101B
3	Placement Unit	A-110

---



4	Girls Common Room	C-0101C
5	Boys Common Room	C-0101A
6	Canteen	Ground Floor
7	Grievance Redressal Unit	A-005B
8	Drinking Water	On even floors of building



**Fig. 4.15: Counselor Room**



**Fig. 4.16: Training & Placement cell**

## **4.2 Library as a Learning Resource**

**4.2 .1 Does the library have an Advisory Committee? Specify the composition of such a committee .What significant initiatives have been implemented by the committee to render the library, student /user friendly?**

Institute's library has an `Advisory Committee. Current composition consists of Hon. Principal Sir as Chairman, Librarian as a secretary and Head Of All Departments as Member, to look after library development activities.

Library has to provide to the needs of user client such as faculty, research scholars, and post graduate and under graduate students, institute administrators as well as specialists, engaged in non teaching staff of institute, a wide range of subject fields are to be represented in our book

---



stock with prime thrust for meeting the needs of students and faculty members. Besides this, for smooth functioning of the library and safe guarding the interest of all sections of the library users, formation of policies, rules & regulations and implementing the library policies in a judicious manner, an infrastructure is needed for the library. The Library advisory committee should be final authority .It should include the librarian, subject specialist, to meet the all the above objectives the Central Library is advised by a Library Advisory Committee with the following constitution and representatives.

## MISSION

The Mission of the library committee is to advice on resource development and other activities related to users' needs to central library of institute .Library Advisory Committee is suppose to advise on policy matters ,collection development, services and facilities. Library Advisory Committee's role is appreciated in as balancing act of all subjects resource development.

### Responsibilities of Library committee and its members:

- Library Advisory Committee can advice on specific issues ,problems and concerns related to central library and make recommendations to the head of institute .
- Provide the library manager with the input.
- Facilitate communication between Head of institute , LAC members, and the library
- Obtain the advice and views of the users on library needs in their area, and report these views to head of institute.
- Be familiar with library structure, library history,
- Suggest/recommend programs to the Library Manager.
- To supervise the allocation and utilization of funds for different departments for purchase of books and journals for the Central and Departmental libraries
- To consider and put forward the views of faculty members regarding books/journals selection, ordering process etc.



- To consider and put forward the views of students and Research Scholars regarding their problems and solutions sought thereof.

List of Advisory Committee members for the year 2015-16 is shown in table below

**The committee consists of the following members:**

- The Hon. Principal to be nominated as Chairman.
- HOD of Department as faculty representative.
- Librarian – Member Secretary

**Table 4.8: Library Advisory Committee Members (2015-2016)**

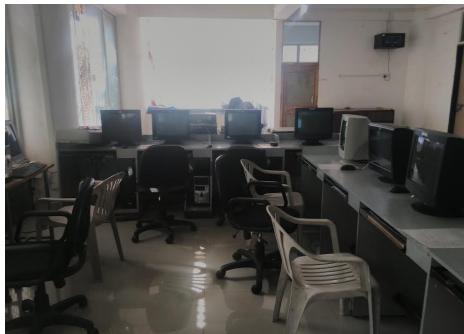
Sr.No.	Name and Designation	Head Of Department	Designation in committee
1	Dr. Sudhir D. Sawarkar	Principal	Chairman
2	Dr. Chore Hemanant Sharad	Civil Engineering	Member
3	Dr.Pete Dnyandeo Jageshwar	Electronics Engineering	Member
4	Mr. Pande Amol Parashram	Computer Engineering	Member
5	Dr. Devane Satish Ramrao	Information Technology	Member
6	Dr.Deshmukh Prashant Dinesh	Mechanical Engineering	Member
7	Dr.Deshmukh Kalpana .S.	Chemical Engineering	Member
8	Dr.Balsaraf Vijay Manohar	Humanities & Science	Member
9	Mrs Puri Meera Jeevan	Library	Secretary Member



### Library Automation:

- Library automation is done by using `Autolib Library management system. Users can search books, issue return and reserve. Book Bank scheme is available. Library working timing is extended to 8.00am to 8.00pm.
- University syllabus and previous question paper bank is available.
- Digital Library has been set up .Users have access to e journals subscribed by institute. As well as e-resources, video streaming learning program are accessible for library .Library website is created <https://sites.google.com/site/dmcecentrallibrary/>.





**Fig.4.17: Central Library, Stack Area, Reading Hall, Journals .Internet Access Room**



#### **4.2.2 Provide details of the following**

Total area of library (in sq.m.) : 800 sq.m

Total seating capacity : 250

Working hours : 8.00am to 8.00pm (Monday to Friday)

Layout of Library –Library has a reading hall with capacity of 250 students as well as reading space for teaching staff separately. Airy and natural atmosphere is maintained. Drinking water, washrooms are made available in library.

Individual reading cartels : No

Lounge area for browsing and relaxed reading: Yes



**4.2.3 How does the library ensure purchase and use of current titles, print and e journals and other reading materials? Specify the amount the amount spent on procuring new books, journals and r resources during the last four years. Library Collection Development Guidelines are used in the selection of resources.**

**The following criteria are considered when purchasing Library resources:**

- Relevance of content
- Quality of content
- Suitability for the defined client group
- Demand – copies of prescribed texts and required readings as identified by course coordinators. Multiple copies of prescribed texts and required readings purchased to meet the needs of courses taught on multiple sites and/or in response to demand in accordance with the multiple copy formula in the Library Collection Development Guidelines.
- Format – a variety of formats may be purchased according to learning, teaching and research needs. Electronic is the preferred format for serials and high use titles.
- Adequacy of current holdings in the subject area.
- Availability of resources
- Cost (initial and ongoing)
- Language - English language resources are purchased with the exception of material required to support teaching in foreign language courses
- Space and storage issues

Based on inputs of users and their needs as well as recommendation of curriculum. Head of departments (Library advisory committee members) intimate their needs to Chairman /librarian (Secretary of LAC) .After checking availability in resources , proposal for purchasing for sanction .On the basic of recommendation by AICTE and University of Mumbai ,library procure Electronics resources ,Journals ,Membership to other institute .

**Table 4.9: Library Holding**

Library Holding	2012-13		1013-14		2014-15		2015-16	
	No	Cost	No	Cost	No	Cost	No	Cost
Books	316	141016	107	41419	409	258454	146	306440
Electronics journals	6 E Pkgs	760035	4 E-Pkgs	11500 11	4 E-Pkgs	1150061	4 e pkgs	1318637
National journals and magazines	nil	nil	nil	nil	nil	nil	76	172302
Membership to other institute	IIT Mumb ai DELN ET	37500	IIT Mumb ai DELN ET	41500	IIT Mumb ai DELN ET	41500	IIT Mumb ai DELN ET	41500
Any Other(News Paper)	10	11000	10	11000	10	11000	10	11000

**4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the Library collection?**

**OPAC** : Library automation is done by using `Autolib Library Management System` Users can search books by their choice as like subject wise, Author wise ,Title wise ect .As well as users have open access to the collection .They can search books by their own can reach direct to book racks.

**Library website:** Library website is created .It includes all important information of library .Information regarding to resources, URLs of e resources, links to other important resources available on internet like subject guides. As well as Institutional repository is in process.



---

---

**E-Journals:** Library have subscribed e journals packages like IEEE, ASME, ASCE, McGrawHill . Ten computers are available for accessing e resources . As e –Journals are IP based subscription users can access form their departments . NPTEL Lectures and other e resources are directed for use to users .

**Features searching tools to search article in multiple database: No**

**Library software :** Library automation is done by using `Autolib Library Management System` Users can search books by their choice as like subject wise, Author wise ,Title wise . Transaction is done by using barcodes.

**In house remote access to e publication:** In house remote access to e publication is available through IP authentication and password.

**Total numbers of computer : 16**

**Total number of printers for public access: 02**

**Internet bandwidth /Speed : 48 MBPS**

**Participation in Resource sharing networks /consortia:** DELNET Membership and IIT Membership.

**4.2.5 Provide details on the following items**

**Average number of walk-ins : 200 per day**

**Average number of Books issued return : 150 per day**

**Ratio of library books to students enrolled : 1:13**

**Average number of books added during last Three years : 221 per year**

**Average number of login to OPAC : 50 per day**

**Average number of login to e resources : 50 per day**



**Average number of login to e resources Downloaded and printed : 30 per day**

**Number of information literacy trainings organized: nil**

**Details of “Weeding out” of books and other material: 0.1%/Avg/year**

#### **4.2.6 Give Details of the specialized services provided by the library**

**Journals: DMCE has e Journals subscription given in table**

<b>Year</b>	<b>Journal Packages</b>
2015-16	IEEE,ASME,ASCE,McGrawHill,
2014-15	IEEE,ASME,ASCE,Springer
2013-14	IEEE,ASME,ASCE,Springer
2012-13	IEEE,Springer,Wiley-Blackwell,Mcgrawhill,j-Gate,Elsevier,ASTM

**Reference:** DMCE Library has reach resources for reference includes encyclopedias, dictionaries, reference books recommended by syllabus, e journals in total number of 17102. As well as CDs Competitive exam books are available in reference section.

**Reprography:** Yes

**Information deployment and notification:** Alerts for new arrivals and through notice board is provided.

**Download:** Users are allowed to download e resources.

**Reading list /Bibliography compilation:** Books classification is done by DDC. Open access is given to users .Guide charts are displayed to direct to books.

**In house remote access to e resource:** Yes

---



**Student orientation and awareness:** At the beginning users are provided with the information related to resources and their access points, rules and regulations for library accessing.

**Assistance in searching Database:** Library automation is done by using `Autolib library management system. Guide charts are displayed on the racks to direct users to books. Open access is given to users; user can reach direct to resources. Users can use online public access for searching books .Manual help also provided when need.

**INFLIBNET/IUC facilities:** IIT, Mumbai Institutional membership, DELNET Membership is available.

**4.2.7 Enumerate on the support by the Library staff to the students and teachers of the college.**

**Support to Students**

Students are introduced with resources.

Provided by OPAC Books Searching.

Syllabuses and Question paper bank is provided in hard copies as well as electronics copies through Library website.

Information related to new arrival, seminars, workshops displayed on notice board.

Personal help is provided when needed.

Important links to other resources on online are given through library website. Assist users to search information by using online search skill to get information online.

**Support to Faculty Members**

Personal assistance is provided when needed.

Information related to seminars, workshops, Paper presenting in seminars displayed on notice board.

Co-ordinate in procurement of books, journals and other resources.



## IT Infrastructure

**4.3.1. Give details on the computing facility available (hardware and software) at the institution.**

<b>State of the art computing facilities are available (INTEL Pentium Quad Core, 3.4 GHZ 1 TB HDD, 4GB RAM ) Number of systems</b>	<b>855</b> Desktops (Institute is on the way of procuring more for Research purpose)
<b>Computer-student ratio</b>	<b>1:1</b>
<b>Standalone facility</b>	<b>Yes</b>
<b>LAN facility</b>	<b>Yes</b>
<b>WiFi facility</b>	<b>Yes</b>
<b>Licensed software</b>	Yes- MATLAB, Rational Rose, Oracle 8i, Oracle 10g, Visual Studio, Unisim Design Suite, Auto-CAD 2009, Pspice-Orcad, PTC Creo University Bundel, Gprome Model Builder, Unisim Design Suite, Pspice-Orcad
<b>Number of nodes /computers with internet facility</b>	<b>988</b>
<b>Any other</b>	Special Server room.  Digital Library  Smart Board Room

**4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?**



- The Institute has more than 900 computers. These are distributed among various departments and are integrated through LAN with access to internet. All computer laboratories are air conditioned.
  - There is a specialized language laboratory and a CAD laboratory available for the students.
  - Each department is equipped with own specialized laboratories with adequate computing facilities. These laboratories are also utilized for conducting hands-on training sessions and workshops for students.
  - The Central Library provides accessing Open Education Resource through internet faculty to aid effective teaching and research work.
  - Administration office is equipped with adequate computers for providing efficient and timely services to students and staff.
- 
- The department-wise deployment of computer systems and internet facility provided are highlighted below:

**Table 4.10: Details of computer and internet facility.**

Sr. No.	Department	Desktop	Internet
1	Civil Engineering	49	48 MBPS Internet Lease Line
2	Electronics Engineering	151	
3	Computer Engineering	320	
4	Mechanical Engineering	87	
5	Chemical Engineering	36	
6	Information Technology	200	
7	Office and others	50	

**4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

DMCE has strategized deployment of IT infrastructure by planning to

- Increase the bandwidth of internet facility to 100 Mbps and 100% Wi-Fi campus with more than adequate and satisfactory internet facility to all stake holders.
- Discarding outdated computers and software and upgrading it on a regular basis.
- Create paperless office, using cloud computing technology.
- Develop e-learning facilities, digitization of resources of the faculty.
- Provide video conferencing within the campus which is already available through skype/hangouts.
- Increase the number of smart boards for all class rooms so that digitized running notes are made available to students for revision.
- Replace all notice boards with digital notice boards.

**4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years).**

The following table mentions year wise budget regarding procurement and maintenance of computers and accessories.

**Table 4.11: Budget for computers.**

Sr. No.	Year	Budget (in Lakhs)
1	2013-14	30
2	2014-15	30
3	2015-16	30
4	2016-17	30

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?**

- Power point presentation & animated videos are used to make effective teaching learning process.
- Smart Tutorial rooms facilitating delivery of digital content and also usage of internet and other net based resources.
- Softcopy of many learning resources, lecture materials, e-books are provided to students.
- Students also make use of audio video facility to deliver their through presentations.
- Campus-wide internet assists students in usage of internet for curricular and extracurricular activities.



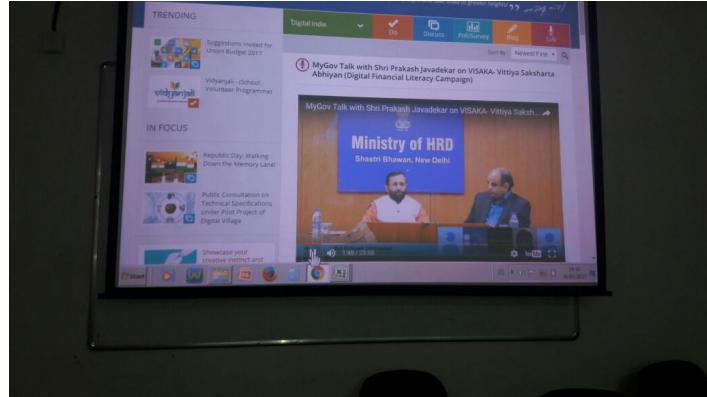
**4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

The institution has a large and constantly growing collection of online resources such as e-journals, e-books, etc. This aids students to update their knowledge about recent technologies.



**Fig. 4.18: Students accessing digital library.**

- The institute conducts QIP- Quality Improvement Programs to upgrade their faculty so that the acquired knowledge can be passed on to the students. Thus performing the role of facilitator. Webinars are frequently organized for this purpose.



**Fig. 4.19: Webinar facility in DMCE**

- Faculty motivates and guide students to materialize their innovative ideas. Students participate in various project competitions to exhibit their knowledge and potential. Images of some successful projects are provided below.



Priyanka Dhuliya > Inter Institutional Inclusive Innovations Center - i4C  
DMCE AIROLI SUCCESSFULLY LIVE  
HONOURABLE MHRD MINISTER...  
– at Datta Meghe College of Engineering  
Photos of Inter Institutional Inclusive Innovations  
Center - i4C Just now · 10  
Tag photo · Edit Location · View full size · Make Profile  
Picture · More options

**Fig. 4.20 (a):Torridracing - ATV**

**(b) Hackathon**

#### **4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?**

Institute is not connected to the National Knowledge Network directly or through the affiliating UoM. It has high speed broadband internet connectivity of 48 MBPS for enhanced teaching and learning experience.



#### 4.4 Maintenance of Campus Facilities

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?**

Regarding financial resources for maintenance and upkeep of major facilities like furniture, equipments, computers, all kinds of teaching aids, etc the institute provides it as and when required. For maintenance of computer and internet facilities maintenance contract is provided.. There is regular maintenance of Power supply, lifts, water coolers, ACs, etc. Even hygiene and cleanliness is also given priority.

**Table 4.12: Budget allocation and utilisation.**

Sr No.	Facilities	2013-14	2014-15	2015-16	2016-17
1	Furniture	35	40	60	70
2	Equipment	45	105	250	350
3	Computers	30	30	30	30
4	Vehicles	10	15	15	20
5	Electrical fittings	50	60	60	70
6	Books and teaching aids	30	15	20	20

- What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

- Separate departments constantly work for maintaining and repairing electrical lines, equipments, buildings, civil works, computing services.
- Lab equipments are serviced by the concerned manufacturers and service personnel/lab technicians of departments.
- Annual Maintenance Contract (AMC) is also in practice.



- **How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?**

- All equipments are taken up for calibration and precision measurement as and when required.
- The diagnostic equipments are calibrated regularly for precise measurement.
- Detected calibration faults are attended immediately through repair by the concerned vendor.

#### **4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

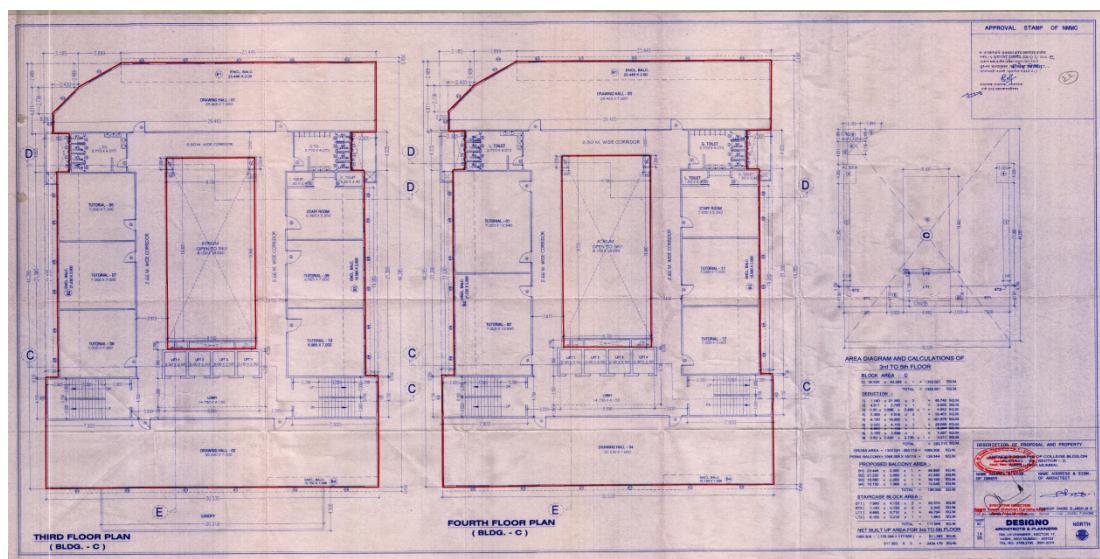
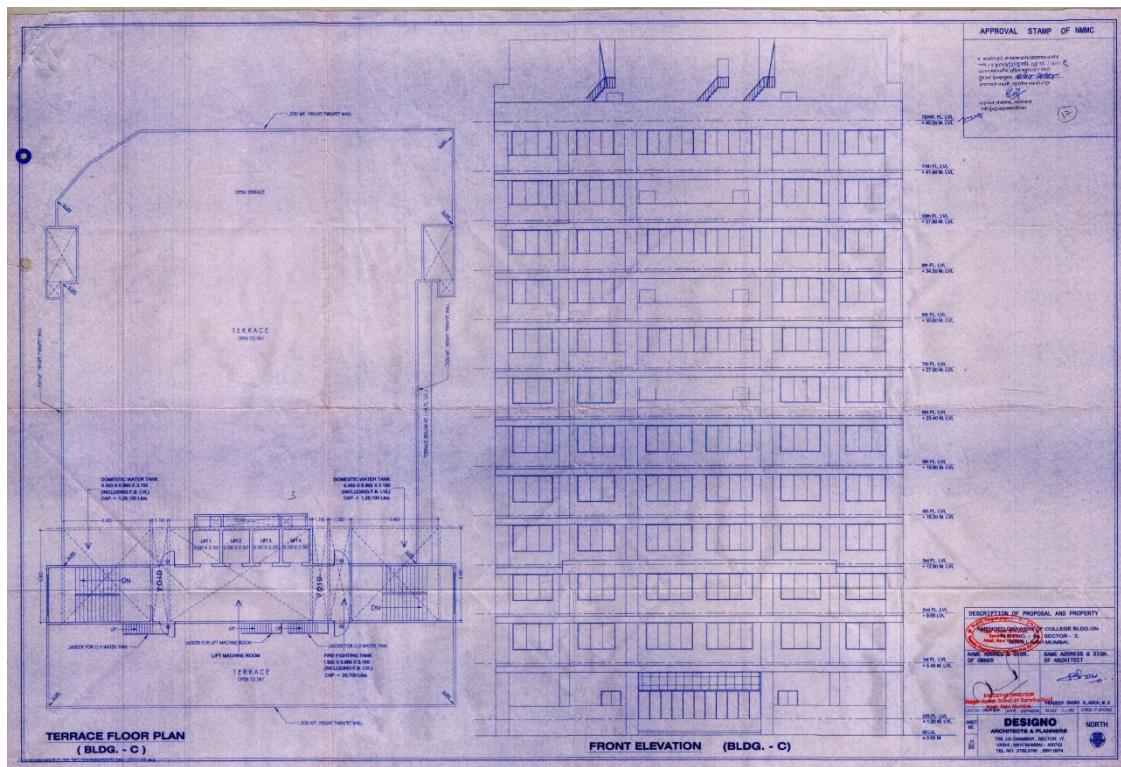
- Separate distant area is provided for Generators, power supply units and power backups to prevent any damage.
- During the power cuts, electrical supply is ensured in the campus by the operations of generators with restoration time of 3 minutes. Also voltage stabilizers are provided to majority of electrical equipments to stabilize the voltage fluctuations.
- In-house ground water supply treated by RO plant is kept in the institute to provide portable constant drinking water supply to students and faculty members.

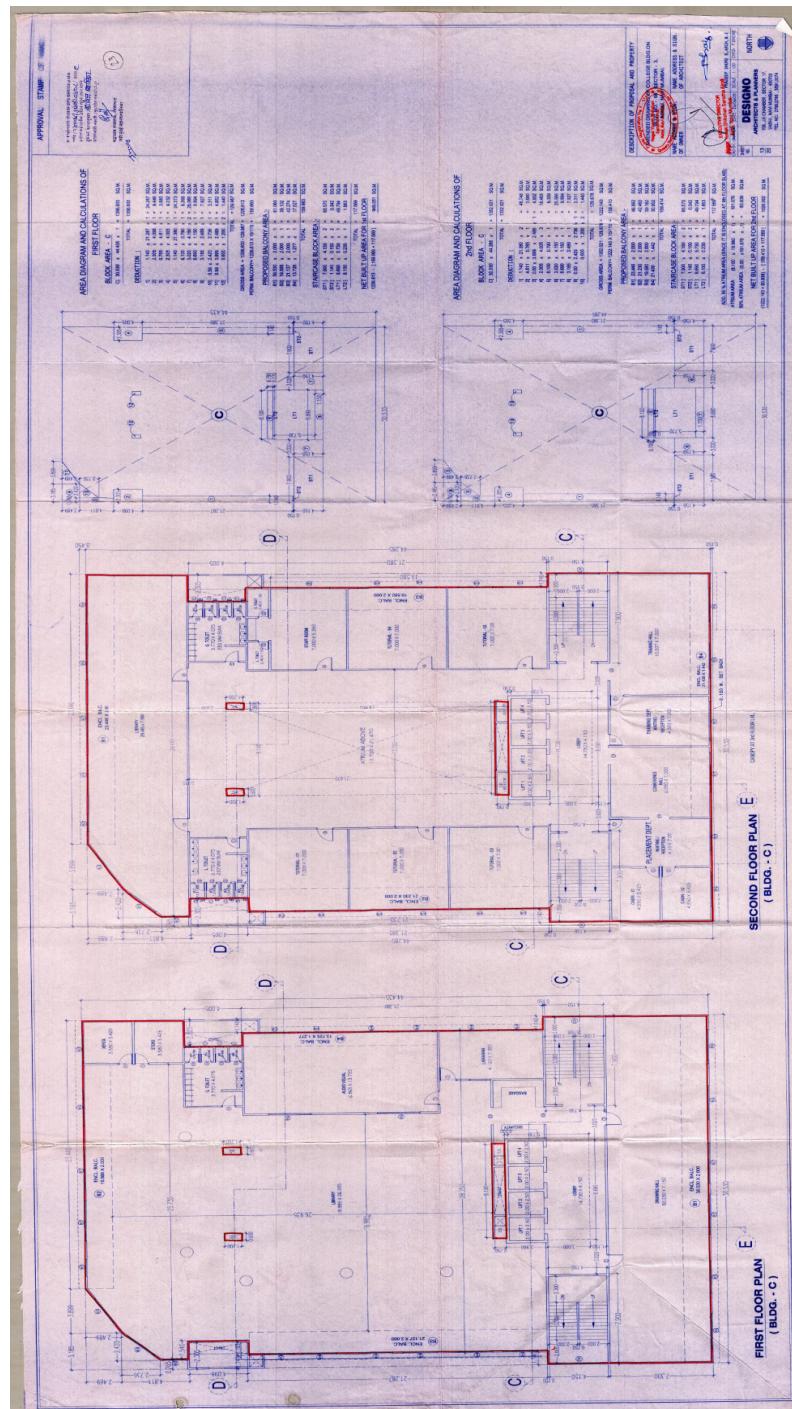


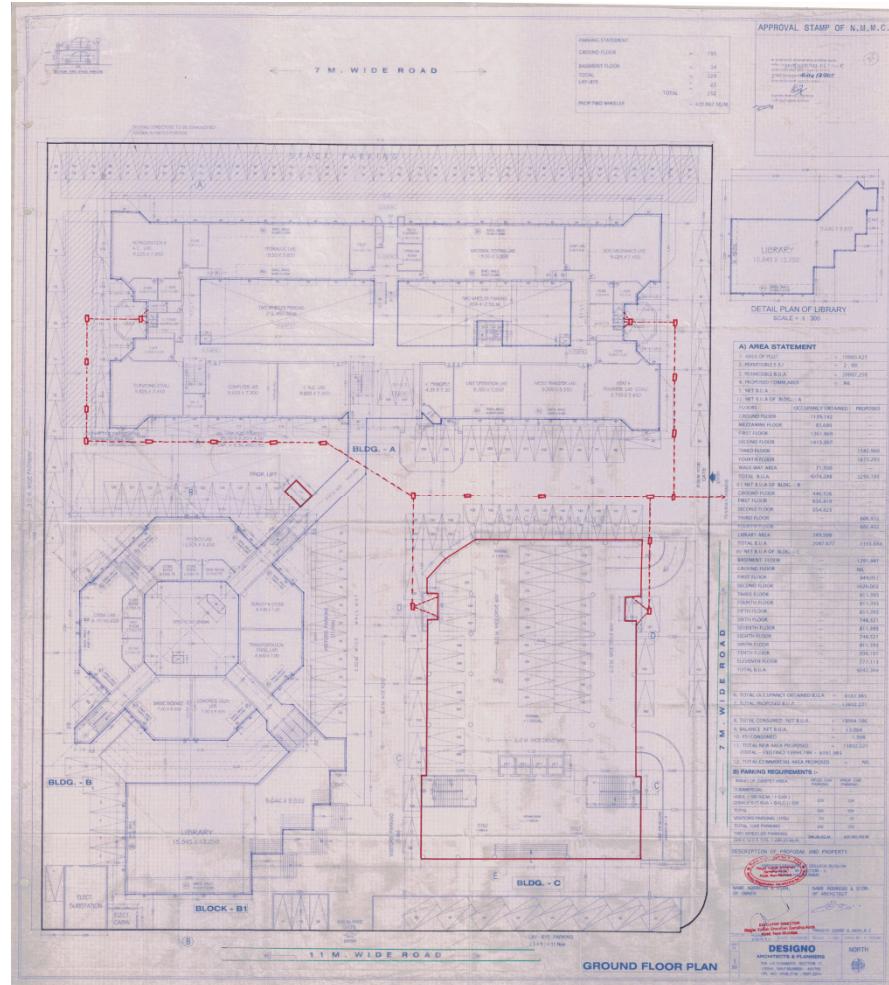
**Fig. 4.21: Generator, power supply unit**



## APPENDIX - A





**Fig. A.4: A and C Wing Plan**



## Criteria V: Students mentoring and Support

**5.1.1 Does the institution publish its updated prospectus/handbook annually? If ‘yes’, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

The institute publishes the updated prospectus every year. It includes all the necessary information for the students aspiring to get admitted into the institute. The prospectus contains information about:

- Vision and Mission statement of the college
- Board of Governance
- Message from Chairperson, NYSS
- Message from Principal
- Task force
- Programmes offered
- Information about campus, Library
- Information of Training and Placement cell
- Details of all the departments
- Approved intake
- About the department
- Facilities
- Achievements
- Activities
- Laboratory details
- Faculty information
- Photographs of various activities
- List of achievers of DMCE
- Results
- Details of admission process

Every year the students seeking admission are given a copy of prospectus. Other source of getting information is through website. [www.dmce.ac.in](http://www.dmce.ac.in)

Training and Placement Cell of DMCE publishes handout which gives glimpses of student profile, previous year's placement record and list of major recruiters.

The institute has provided Notice boards on every floor for dissemination of information to students. Information related to commencement of program, exams, academic calendar, list of



defaulters, information about various events to be organised reaches to students through these notice boards.

**DMCE has** several student bodies which publish their newsletter time to time.

Every department has display boards where the vision, mission and Quality policies of the department are displayed. The institute has an active anti-ragging committee to ensures ‘no ragging’ inside and outside campus. Women’s development cell is formed to create an awareness amongst women. Grievance redressal cell is formed to address the problems pertaining to sexual harassment and gender discrimination. Institute has one Entrepreneurship development cell which motivates the fresh technocrats for entrepreneurship and start-ups.

Another unique system developed by DMCE is Teacher In charge and Teacher guardian. A class of 60 students is assigned a Teacher In-charge. This teacher in charge is responsible for smooth functioning of classes. He or she look after the academic requirements, Attendance of the students and make arrangements for remedial and tutorial classes.

On 20 students one teacher guardian is deployed. This teacher guardian conduct regular meeting with students to understand their problems, if any. Teacher guardian organises one to one session where Students can freely express their view, Suggest improvement, demand for any additional facility required. Teacher guardian informs the parents about the progress and attendance of their ward thrice a semester. Other than teacher in charge and teacher guardian. College has appointed a special counsellor to help the students to overcome personal or socio- psychological clichés, if any.

The Training and placement cell of DMCE with its energetic and active officer work round the year to generate employment opportunities to the students. The team guide and motivate the students for Higher education and help them developing their skills to attract better job prospects.

The institute under its social responsibility organise a social event on half yearly basis where the students collect the clothes, stationery items, grocery, books and toys etc. from all the members of staff and students and donate it in the nearby villages. Also a tour is organised to the schools in adivasi area where the students organise the events for school children and create awareness about cleanliness and inform them about various job prospects.



**5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

There is no institutional scholarship provided to the students but as per the DTE norms students of SC/ST/OBC/VG/NT get the support from Government of India in the form of fees relaxation. Institute provides financial aid to needy students on case to case basis. It also ensures the financial assistance to the meritorious students in the form of Scholarships. The Institute educational fund is used exclusively for supporting the students. This Scholarship is awarded to meritorious students from individual branch every year.

**Table 5.1: Rewards for students achievements in Institute.**

S. N.	Achievement	Reward
1	First position in Institute	Rs.5000
2	Second position in Institute	Rs.3000

**5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?**

Nearly 50% students have received financial assistance from State government in the form of fee reimbursement. Details are as follows.

Year	Branch	SC	ST	OBC	VJNT	SBC	EBC	Minority	Tata
2013/14	Chemical	27	02	41	25	06	15	01	07
	Civil	43	09	74	41	05	19	00	06
	Computer	48	12	75	36	06	27	00	03
	Elex.	60	07	81	33	11	27	02	02
	IT	59	08	87	32	09	39	01	02
	Mechanical	47	17	56	31	02	30	00	06
	Total	284	55	414	198	39	157	04	26

Year	Branch	SC	ST	OBC	VJNT	SBC	EBC	Minority	Tata
2014/15	Chemical	33	02	44	31	06	13	04	05
	Civil	61	12	69	47	08	30	05	10
	Computer	61	10	70	37	08	29	00	04
	Elex.	65	06	81	43	13	24	05	00
	IT	55	08	99	29	08	41	03	03
	Mechanical	56	11	73	37	04	39	04	06
	Total	331	49	436	224	47	176	21	28



Year	Branch	SC	ST	OBC	VJNT	SBC	EBC	Minority
2015-16	Chemical	30	02	53	31	07	23	07
	Civil	71	25	110	55	13	47	16
	Computer	56	09	73	34	11	37	03
	Elex.	62	03	76	28	10	27	04
	IT	58	06	103	30	10	40	08
	Mechanical	56	21	73	39	04	49	06
	Total	333	66	488	217	55	223	44

#### 5.1.4 What is the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections?

The students who belong to SC/ST, VJ/NT, OBC and the economic weaker sections are identified during the process of admission. These students are provided every possible help to enable them to get Government scholarships.

Reservation is given to this class of students in Admission process as per government norms.

- Remedial classes are conducted by teachers for subject related weakness removal.
- These students also get government grant for purchasing books under BOOKBANK. Institute provides books to this class of students from the government grant.
- For deserving cases waiver of fee payable by him is carried out depending on economic condition prevailing in family.
- Fee is allowed to be submitted in installments for economically weak students as per their requirements.

**Overseas students:** NA

#### Students to participate in various competitions Students with physical disabilities

Necessary facilities are available in the Institute like ramps, wheel chair and Lifts.

Examinees with physical disabilities are given special attention regarding the seating arrangements. Blind as well as incapacitated persons are allowed for writers and extra time as per norms given in Mumbai university circular no. Exam/COE/benefit/102 of 2012.

Applicants with physical disability are also given 3% horizontal reservation in the admission in various courses as per government policy.

Students are encouraged to participate in extra-curricular and co-curricular activities such as technical fests, cultural events, and sports events etc. which are organized by reputed institutions such as IITs, NITs, Universities and Government and other engineering and science Institutes.

All necessary support and services are provided by the Institute like financial assistance, Wi-Fi facility in the laboratories and library facility. Faculty members are deputed to assist and guide the students.



The students from this institution have participated in various national and state level competitions and have received accolades in the field of education and research. The institute bears complete travel, boarding and other incidental expenses for all students representing institute for technical seminar, conferences, project competition etc.

**Medical assistance to students: health centre, health insurance etc.**

- The institute has a medical room wherein one has easy access to first aid if required.
- First Aid box is present in the every department of Institute.
- Institute has signed an MOU with Modi Hospital for treating urgent cases. The hospital is within half a kilometres range of College.
- All the students of DMCE are covered under insurance cover of 200000/- under insurance scheme whose annual premium is paid by Institute.

**Organizing coaching classes for competitive exams**

- The institution is supporting the students beyond the syllabus by arranging special training programs, soft skill training programs for students on a regular basis, by the internal and external experts.
- We invite representatives of organizations and bodies which do professional counselling and conduct coaching for competitive exams like GATE, UPSC, and IES etc.
- Various books required to prepare for competitive exams are made available to students from institute library and department libraries. Library hours are 8a.m. to 9p.m.
- Institute has number of faculties who have done their post-graduation from Institutes like IITs and NITs. These faculty members regularly guide and help students preparing for GATE and other competitive exams.

**Skill development (spoken English, computer literacy, etc.)**

Soft skill development classes are regularly arranged for the students to enhance their communication skills, logical, numerical ability and problem solving skills. The Language Laboratories help weaker students to learn English language easily, with its various programmes uploaded on the computers, along with this the teacher has the freedom to design customized program and upload for students to learn. DMCE has 2 remedial language labs for weaker students.



List of seminars and Workshops arranged

**Seminars for 2013-14****TECHNICAL SESSION**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	18.8.2013	TCS (Mr. Prashant Likhite)	About I.T. industrial expectation from student
2	19.9.2013	CATT & Training & Placement cell	PHP & My SQL
3	23.9.2013	TCS	Seminar- roll of non I.T. students in I.T. companies
4	13.2.2014	RICS	Future scope for civil Engg. Students
5	6.3.2014	Infosys	Discuss the road ahead with campus connect partnership
6	2.4.2014	Persistent	regarding projects during B.E. for T.E. students.

**Seminars for 2013-14****SESSION FROM EMINENT SPEAKER**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	18.8.2013	TCS (Mr. Prashant Likhite)	About I.T. industrial expectation from student
2	19.9.2013	CATT & Training & Placement cell	PHP & My SQL
3	23.9.2013	TCS	Seminar- roll of non I.T. students in I.T. companies
4	13.2.2014	RICS	Future scope for civil Engg. Students
5	6.3.2014	Infosys	Discuss the road ahead with campus connect partnership
6	2.4.2014	Persistent	regarding projects during B.E. for T.E. students.

**Seminars for 2013-14****SOFTSKILL AND MOTIVATIONAL**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	18.8.2013	TCS (Mr. Prashant Likhite)	About I.T. industrial expectation from student
2	19.9.2013	CATT & Training & Placement cell	PHP & My SQL
3	23.9.2013	TCS	Seminar- roll of non I.T. students in I.T. companies
4	13.2.2014	RICS	Future scope for civil Engg. Students
5	6.3.2014	Infosys	Discuss the road ahead with campus connect partnership
6	2.4.2014	Persistent	regarding projects during B.E. for T.E. students.

**Seminars for 2014-15****TECHNICAL SESSION**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	3.7.2014	Urban Transit Pvt. Ltd	Safety briefing & presentation on monorail system
2	23.7.2014	CDAC	Seminar on future prospects in IT industry
3	10.9.2014	L & T infotech ltd	Pre placement talk & mock session on GD & PI
4	11.9.2014	DSK designs Ltd	Future in designing aspects in industry
5	2.10.2014	Google student Ambassador Program	Seminar on Digital Marketing
6	20.1.2015	Manchestor University	Car crashes, safty measures for Mechanical students
7	7.2.2015	Google student Ambassador Program	Seminar on Adclass
8	8.2.2015	Persistent	Coding Competition
9	24.2.2015	TCS	Code vita grand finals
10	21.3.2015	Talentedge	Industrial oriented Java Application

**Seminars for 2014-15****SESSION FROM EMINENT SPEAKER**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	3.7.2014	Urban Transit Pvt. Ltd	Safety briefing & presentation on monorail system
2	23.7.2014	CDAC	Seminar on future prospects in IT industry
3	10.9.2014	L & T infotech ltd	Pre placement talk & mock session on GD & PI
4	11.9.2014	DSK designs Ltd	Future in designing aspects in industry
5	2.10.2014	Google student Ambassador Program	Seminar on Digital Marketing
6	20.1.2015	Manchester University	Car crashes, safty measures for Mechanical students
7	7.2.2015	Google student Ambassador Program	Seminar on Adclass
8	8.2.2015	Persistent	Coding Competition
9	24.2.2015	TCS	Code vita grand finals
10	21.3.2015	Talentedge	Industrial oriented Java Application

**Seminars for 2014-15****SOFTSKILL AND MOTIVATIONAL**

<b>Sr. no.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	3.7.2014	Urban Transit Pvt. Ltd	Safety briefing & presentation on monorail system
2	23.7.2014	CDAC	Seminar on future prospects in IT industry
3	10.9.2014	L & T infotech ltd	Pre placement talk & mock session on GD & PI
4	11.9.2014	DSK designs Ltd	Future in designing aspects in industry
5	2.10.2014	Google student Ambassador Program	Seminar on Digital Marketing



6	20.1.2015	Manchester University	Car crashes, safty measures for Mechanical students
7	7.2.2015	Google student Ambassador Program	Seminar on Adclass
8	8.2.2015	Persistent	Coding Competition
9	24.2.2015	TCS	Code vita grand finals
10	21.3.2015	Talentedge	Industrial oriented Java Application

**Seminars for 2014-15****STUDY ABROAD GRE ,GMAT,CAT**

Sr. No.	Date	Name of the Organisation	Subject
1	14.8.2014	TIME	Seminar on GATE, GD, PI

**Seminars for 2015-16****TECHNICAL SESSION**

Sr. no.	Date	Name of the Organisation	Subject
1	11.7.2015	CDAC	Seminar on C & C++
2	26.8.2015	Nasscom	Future prospects in I.T. companies
3	3.11.2015	Mastek	Deep Blue contest
4	9.2.2016	MIT Pune	career building opportunities on some niche engg. Fields
5	5.3.2016	Ex Accenture- free Launcer- Mr. Vishwajeet	Campus Process

**Seminars for 2015-16****SESSION FROM EMINENT SPEAKER**

Sr. no.	Date	Name of the Organisation	Subject
1	11.7.2015	CDAC	Seminar on C & C++
2	26.8.2015	Nasscom	Future prospects in I.T. companies
3	3.11.2015	Mastek	Deep Blue contest
4	9.2.2016	MIT Pune	career building opportunities on some niche engg. Fields
5	5.3.2016	Ex Accenture- free Launcer- Mr. Vishwajeet	Campus Process

**Seminars for 2015-16****SOFTSKILL AND MOTIVATIONAL**

<b>Sr. no.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	11.7.2015	CDAC	Seminar on C & C++
2	26.8.2015	Nasscom	Future prospects in I.T. companies
3	3.11.2015	Mastek	Deep Blue contest
4	9.2.2016	MIT Pune	Career building opportunities on some niche engg. Fields
5	5.3.2016	Ex Accenture- free Launcer- Mr. Vishwajeet	Campus Process

**Seminars for 2015-16****STUDY ABROAD GRE ,GMAT,CAT**

<b>Sr. no.</b>	<b>Date</b>	<b>Name of the Organisation</b>	<b>Subject</b>
1	1.3.2016	International Knowledge Center	study in U.S./ representatives of U.S. universities will present
2	15.3.2016	Aliff	Overseas education

**Participation of students in research activities**

The students are encouraged to participate in various competitions on national and international level. They are motivated to present research papers in National and international Journals and to attend seminars, conferences and workshops. Financial assistance for travelling and conference fee is provided by Institute for deserving cases.

**Details of students in research activities**

Sr. No.	Student Name	Name of Institutional	Paper Titled	Year
1	Chirag Shirodkar Ashutosh Karkare	OYCE ICT	Nanotechnology for targeted drug delivery system	March 2017
2	Chirag Shirodkar Ashutosh Karkare	RSCIENCE BVCOE	Nanotechnology in medicines	Feb 2017
3	Chirag Shirodkar Ashutosh Karkare	Chem-Pro COET Akola	Nanotechnology in technological sciences	Feb 2017
4	Chirag Shirodkar Ashutosh Karkare	Tantravishkar TSEC	Nanotechnology in Medical Sciences.	Feb 2017
5	Chirag Shirodkar Ashutosh Karkare	Platinum REACT Laxminarayan Institute of Technology,	Advanced Material in Nanotechnology	14 <sup>th</sup> &15 <sup>th</sup> Jan 2017
6	Chirag Shirodkar Ashutosh Karkare	VORTEX, ICT Mumbai	Nanotechnology in Environment	2016
7	Chirag Shirodkar Ashutosh Karkare	Prakalp2016, MIT Pune	The Prominace of Nanomaterials in Sciences and Medicines	26 ,27 <sup>th</sup> august 2016
8	Chirag Shirodkar Ashutosh Karkare	SCHEMCON B.V.Raju Institute of Technology Hyderabad	Technical Paper	2016
9	Chirag Shirodkar Ashutosh Karkare	National Conference on recent trends in Chemical Engineering and Technology Laxminarayan Institute of Engineering	Technical Paper	2016



		Nagpur		
10	Chirag Shirodkar Ashutosh Karkare	CHEMFRATERNITY Babasaheb Ambedkar Technological Lonere	Technical Paper	2016
11	Akshita Mogaveera, Himanshu Malani Pravin Salve	IIT Bombay	N.R.Kamath quiz competition	2016
12	Akshita Mogaveera Aditi Bhudale NaveenSabbani	Chemical Engineering quiz BVCE Mumbai	Quiz Competition	2016
13	Chirag Shirodkar Ashutosh Karkare	Datta Meghe College of Engineering Airoli Navimumbai	OYCE Blast Carboblocks-Thyssenkrupp	2016
14	Shubham More	Datta Meghe College of Engineering Airoli Navimumbai	OYCE Blast Carboblocks-Thyssenkrupp	2016
15	Somesh Patil	Datta Meghe College of Engineering Airoli Navimumbai	OYCE Blast Carboblocks-Thyssenkrupp	2016
16	Kaushik Godbole	SCHEMCON MIT Pune	Technical quiz	2015
17	Chirag Shirodkar Ashutosh Karkare Ankit Mishra	VORTEX, ICT Mumbai		2015
18	Himanshu Malani	National Conference on water energy and Environment MGM Mumbai		2015



19	Himanshu Malani	Science BVCE Mumbai	Heat Exchanger design	2015
20	Pooja Yadav	CHEMERGENCE TSEC Mumbai	Heat Exchanger design	2015
21	Abhishek Bhatankar	CHEMERGENCE TSEC Mumbai	Heat Exchanger design	2015
22	Abhishek Bhatankar	CHEMERGENCE TSEC Mumbai	Industry Defined Problem	2015
23	Himanshu Malani	CHEMERGENCE TSEC Mumbai	Industry Defined Problem	2015
24	Himanshu Malani	CHEMERGENCE TSEC Mumbai	Heat Exchanger design	2015
25	Shantanu Lankhe	NCOAT-NIRMITI Priyadarshani Institute of Engineering and Technology Nagpur		2015
26	Vivekanand Suryawanshi	NCOAT-NIRMITI Priyadarshani Institute of Engineering and Technology Nagpur		2015
27	Sandeep Sonawane	CHEMFEST		2015
28	Bajirao Todkar Madhuri Rampelli	NCOAT-NIRMITI Priyadarshani Institute of Engineering and Technology Nagpur	Extraction of Silica From Rice Husk	2015
29	Vivek Suryavanshi	CHEMFEST K.K.Wagh Institute Of Engineering and Education and Research Nashik		2015



30	Vivek Tiwari Ganesh Pal	PRAKALP MIT Pune	Microbial Enhanced Oil Recovery”	2014
31	Charmi Nagaria Madura Chincholi Priyanka Sagweka	CHEQ 2014 DJ Sanghavi College of Engineering Vile Parle Mumbai	N.R.Kamath quiz competition	2014
32	Shantanu Lanke	Thadomal Sahani College of Engineering	Technical paper	2013

**Year 2013-14**

Name of The Student	Paper Title	Conference National /International
Ameya Kulkarni  Apporva Oak  Kshitiz Lipare	Wireless Transfer of Electricity	National Conference on Technologies for Developing Nations, LTCOE, Koparkhairane (Navi Mumbai), 12 October 2013
Vinnet Sampat  Adishree Pradhan  Shraddha Sali	Ultrasonic Blind Man Stick	National Conference on Technologies for Developing Nations, LTCOE, Koparkhairane (Navi Mumbai), 12 October 2013
Gaurav Suppal  Harsh Jethwa  Vikrant Kasar	Solar Powered Intelligent Street Light Control	National Conference on Technologies for Developing Nations, LTCOE, Koparkhairane (Navi Mumbai), 12 October 2013
KaraleNishikant  KarbhalaMinal	CONCEPT BASED IMAGE RETRIEVAL AND INDEXING	National Conference on Technologies for Developing Nation, LTCE, Koparkhairne, Navi Mumbai, 12th October,



ShindeRohit R. MauryaVarsha P.		2013.
Tuckley Chaitanya Raina Rajat	CCTV Camera with a Microwave Sensor and a Programmable Controller	Participated in National Conference organised by K. C. College of Engineering, Thane.
Ashwini Patil Malvika Pattekar Lekhani Randive Swapnil Shinde	Railway SCADA System	National Level Conference at LTCE, Koparkhairne, Navi Mumbai, 13 <sup>th</sup> Nov, 2013.
Riddhesh Kargutkar Shruti Karvande Nishaad Lad Ridhi Mandoware	Start shopping cart	National Level Conference at KC college of Engg. 22 March
Samidha Buriwar Namrata ghodinde Yogesh Thakare Piyush Chaudhari	Pneumatic Pressure Bandage	K.Shankar Student National Conference 2013 Organized in association with IEEE Bombay Section Student Network at Shah & Anchor college of engg.chembur,19 <sup>th</sup> Oct 2013.
Deepak,Satish,Mayuresh,Manoj	Wall Climbing Robot	2 <sup>nd</sup> position in state level project competition organized by IEEE BVCOE

**Year 2014-15**

<b>Name of The Student</b>	<b>Paper Title</b>	<b>Conference National /International</b>
Swati Balla Gaurav Deshmukh Chaitrali Deshmukh Nirmal Raghwa	RF-ID Bio-Capsule	International Conference on Electronics and Computing Technologies. Held at K C College of Engg. Thane. 12 & 13 March 2015.
Rahul Badgujar Sayali Bagave Shalvi baswant Vishal mhasagar	”Speaker Identification using Artificial Neural Network”	International Conference on Electronics and Computing Technology, K.C. College of Engineering, Thane, 12-13 <sup>th</sup> March 2015
Shrikant Deshmukh Navodit Pawar Vaibhav Salvi Vishal Saruk	Adhok Network for Landslide and forest Fire Detection	International Conference on Electronics and Computing Technology, K.C. College of Engineering, Thane, 12-13 <sup>th</sup> March 2015
1.Shaila Kabugade 2.Poonam Kambali 3.Deepali Kavade 4.Sayli Khamkar	Control of Remote Microscope Over the Internet Using Micromanager	Technical Paper Presentation in Technitude under IEEE DMCE ,Airoli



Komal,Gayatri,Ishwar, Omkar	Android RFID smart bag	Winner in project competition organized by IEEE DMCE 2015
Bikram, Sandesh, Vaibhav, Dhanajay	Web controlled Automobile	Participate in project competition organized by IEEE DMCE 2015

**Year 15-16**

Name of The Student	Paper Title	Conference National /International
Varsha Jagadale Rahul Manerikar Ketaki Kadam Dhanashree choudhari	Voice command Based Wheelchair for Physically challenged	National Conference on Advanced Trends in Engineering held at Datta Meghe College of Engg. Airoli on 12 & 13 March 2016.
Mehak Pandita Priyanka Oza Priyanka Padwal Abhishek Rajderkar	Solar Energy Optimisation by Precision Tracking	National Conference on Advanced Trends in Engineering .12 March- 2016, Datta Meghe College of Engineering, Airoli, Navi Mumbai
Giridhar Shenoy Amrita Shetye Prachi Patil	Dot Matrix Using Arduino	National Conference on Advanced Trends in Engineering .12 March- 2016, Datta Meghe College of Engineering, Airoli, Navi Mumbai
Totre Vishwas	Fuel Less Eco Car	National Conference on Advanced Trends in



Tatkare Ashutosh Tiwari Karan Thite Amol		Engineering held at Datta Meghe College of Engg. Airoli on 12 & 13 March 2016.
Anusha Bhamidipti Aljo Cheeran Dhawal Dabholkar Sarvesh Pimpalkar	Vision Based Waste Segregation System Using Image Processing	National Conference DMCE 12th-13th March 2016.
Pranay Sharma Akshay Rane Vishnu Menon Parimal Patel	Visual concept Detection of Images	National Conference DMCE 12th-13th March 2016.
Mahesh Garle Trupti Loke Ajinkya Mhatre Jyoti Wayal	Comparison of Features for Object Recognition in Image Retrieval	National Conference DMCE 12th-13th March 2016.
Devyani Mirajkar Aditi dDshpande Gaurang Bhandare Tejas Chavan	Signaling System with Safty Mechanism and Train Tracking”	National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13 <sup>th</sup> March 2016



Akshay katkar Neetika Kedar Sahil kolwankar Sneha Naik	”Wireless Control of Powered Wheelchair with Tongue Motion using Tongue Drive Assistive”	National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13 <sup>th</sup> March 2016
Pratik Shetty Charanraj Shetty Jitendra Sawant Anurag Chavn Anamol Jadhav	GSM based Circuit Breaker	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Sushil Kanojiya Mitesh Gohel Hitesh Ingale Shwetambari Pawar	Automatic Meter Reading & Load Management using PLCC	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Aditya Sawant Divya Pawar Prakash Salve Rucha Vaidya	Power Harvesting using Solar Piezo & door motion	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Vishal Bapat Mrunmayee Deshpande Nikita Chavan Pranav Kulkarni	Microcontroller Based Gamma Radiation Monitoring System	Awarded as one of the best papers in National Conference organised by ISTE-DMCE, Student Chapter & Electronics Engineering Department held during 12 <sup>th</sup> - 13 <sup>th</sup>



		March 2016
Attarde Bhagyashree Diwate Shiwani Ramaraj Gayathri More Shweta	Batteryless Mobile	Second prize in project poster competition organised by ISTE-DMCE held on 1 <sup>st</sup> April 2016. Participated in National Level Project Exhibition organised by RAIT, Navi Mumbai held on 18 <sup>th</sup> March 2016. Participated in International Conference organised by Dilkap COE, Neral.
SaldurL Payal Sarang Manasi Singh Pramodkumar Tripathi Pavan	Touchscreen ROBOT	Participated in National Conference organised by ISTE-DMCE, Student Chapter & Electronics Engineering Department held during 12 <sup>th</sup> - 13 <sup>th</sup> March 2016 Participated in project poster competition organised by ISTE-DMCE held on 1 <sup>st</sup> April 2016
Deepak Jain, Chitan Limbani Sunil Poojary Ajaykumar Yadav	Smart Portable Device for Students Profile Management and Attendance System	National conference on advanced trend in engineering, ISTE-DMCE, 2016.



Akshay Nichinte Rahul Shinde Prathamesh Gaikwad Avinash Patil	Wireless Health Monitoring and Control of Solar Panel	National Conference on Advance Trends In Engineering.Airoli
Swati Prabhu Shweta Rajguru Rupali Salvi Kavita Shingade	Mobile Phone Charging on Coin Insertion	National Conference on Advance Trends In Engineering.Airoli
Prachi, Shital, Trupti, Shrutika,	OLED based real time vision system	National conference on advanced trend in engineering,ISTE-DMCE,2016. National level Project competition organized by D.Y.Patil
Khushbu,Monika,Sushma	Modern Library	National conference on advanced trend in engineering,ISTE-DMCE,2016.
Yogesh Ingale Sushil Jadhav Annappa Jamadar Ashish Jamdade	Object Sorting Machine Using Mechatronics	International conference on emerging trends of Technology,DRIE,Neral 17 <sup>th</sup> -18 <sup>th</sup> March 2016



Sunil Jadhav Nikhil Nemade Prakash Ponde Nitin Thokal	Smart Shoes For Blind	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
----------------------------------------------------------------	-----------------------	------------------------------------------------------------------------

**List of Internship by students****List of Internships by students**

Sr.No	Student Name	Name of Institution/ Organization	Year
1	Shardul Kale	BPCL Mumbai	2014
2	Pratik Vichare	BPCL Mumbai	2014
3	Pushkar Karkhanis Sunny Kadam Ganesh Pal	Lupin Limited	2014
4	Rathim Patel	HPCL Mumbai	2014
5	Swapnil sankhe	Lupin limited	2014
6	Shivprasad Gupta Sharanya Pillai Diksha Pujari	Nocil	2014
7	Himanshu Malani	Gujrat Alkalies and Chemical Ltd Vadodra	2014
8	Shivprasad Gupta Bhushan Bamne	RCF Chembur	2014
9	Sujata Kedare Sagar Kulkarni	HPCL	2014
10	Swapnali Patil	JSW Ispal Pen	2014
11	Snehal Patil	BPCL Trombay	2014



12	Himanshu Malani	Dye Chemical Industry Baroda	2014
13	Nagnath Sarjar	Brima Distillary Solapur	2014
14	Prabhas Padate Akik Lokhande Brahmanand Sirpuram	HPCL Chembur	2015
15	Priyank Shah Shahistha Khan	ONGC Uran	2015
16	Monika Mate Swapnali Patil Renuka Yadav	RCF Limited	2015
17	Akshay patil	ONGC	2015
18	Prajwal Shetty Ronak Shetty	RCF	2015
19	Pooja Mane Junaid Parkar	Deepak Fertilizers Taloja	2015
20	Ketan Baghade	RCF	2015
21	Atul Thombare	Century Ragon Limited Shahad	2015
22	Akshita Mogaveera	BARC	2015
23	Akash Pednekar Vishal Rathod Tejas Gajelli Aditya Ambre	BASF Turbhe	2015
24	Bhagashree Jadhav	Bharat Petroleum Limited	2015

---



25	Naveen Shabani Mahesh Pednekar Akshaya Raval	VVF India Limited Taloja	2015
26	Sahil samant Akshay Kalokhe Mukesh ratnaparkhi Akshay Kale Uttam Garad Ramkrishna Patil	Wizdoms(Gmmos) Dubai	2015
27	Aditi Budhale	Reliance Industries Patalganga	2015
28	Radhika Kolamkar	Indofill industries Limited	2015
29	Akshay patil	JSW Dharamtar Pen Raigad	2015
30	Manoj Parab Priyanka Sanap	Apar Industries limited Thane Belapur	2015
31	Aditya Sarfare Shradha Bhuran	BPCL Refinary Mumbai	2015
32	Shekhar Shinde Nagnath sargar Rupam Nandardhane Kushal wani Akik Lokhande Vikram Kolhe	Amines and Plasticizers Limited Turbhe	2015
33	Gaikar Akansha	Deepak Fertilizers Taloja	2015

---



	Bhamre Priyanka Khan Shahista		
34	Gade Ankita Mane Pooja Parkar Junaid	Deepak Fertilizers Taloja	2015
35	Shekhar shinde Akik Lokhande Bramha Sirpuram Rupam Nadardhane	Amines and Plastizers limited	2015
36	Nagnath sargar	Shivammt Dudh sahakri Solapur	2015
37	Saurabh Chavan Jubin Jose Anjaleen Kaur	Rcf Chembur	2015
38	Shriya Pathak	BARC Trombay	2015
39	Shabbani Naveenkumar	Hdofill Industries limited	2015
40	Junaid haju Kazi Faizan	Henkel India Pvt. Ltd Turbhe	2015
41	Prathamesh Sawant Kiran Yadav Abhijit Chormale	Indo Amines Limited Dombivali	2015
42	Nilesh More Ashish Ghadge Nikhil Bagul	Indo Amines Limited Dombivali	2015



43	Varunika Kaul	IFFCO New Delhi	2015
44	Akshay patil	Waste management Taloja	2015
45	Dhiraj sutar Prashant Vaz Mrunal salvi	Herdilla Chemicals Turbhe	2015
46	Asshok Gupta Haju Junaid Faizan kazi Siddhi Kamble	Herdilla Chemicals Turbhe	2015
47	Amit Chavan Nikhil Chinchulkar	Romm & Hass Taloja	2016
48	Nikhil Chinchulkar Kaushik godbole	UHDE	2016
49	Salil Rajwade Atharva Pundlik	BPCL Mumbai	2016
50	Sagar Shah Sandeep Gaur Radhika Kolamkar Sanket Date	RCF Chembur	2016
51	Aditya Walanj Sandeep Wavdhane Mahesh kadam Chirag shirodkar	RCF Chembur	2016



	Ankit Sing		
52	Rahul Vichare Akshay Madhavi Prashant Vaz Dhiraj Sutar	BPCL Chembur	2016
	Mrunal salvi Amit Sampat Pooja Yadav Mitali Waghmare	BPCL Chembur	2016
53	Varunika Kaul Sneha Dharmik Salil Rajwade	NOCIL Limited	2016
54	Dhiraj Sutar Suyog naik Prashant vaz Dipak Nalawade Sanket Date Sandeep Gaur	Herdillia Chemicals Turbhe	2016
55	Onkar patil Dhiraj Sutar Suhas Ramteke Sagar Hirve	Oil and Gas Corporation Uran	2016



56	Chhayendri Lokhande Mugdha Gidge Tanaya Avad	BASF Mumbai	2016
57	Ashok Gupta Junaid haju Faizan kazi	BASF Mumbai	2016
58	Vishal Dhakane Sunmmedh pattebahadur Omkar Kadam Sandesh Shinde	BASF Mumbai	2016
59	Pooja Yadav Mrunal Salvi Amit Sampat	RIL Navi Mumbai	2016
60	Meraj Sheikh Sagar Shah	DFCE Pvt LTd	2016
61	Kalpesh Jadhav Kishan Panchal	Indofil Industries Thanne	2016
62	Sanket Date	RCL Thane	2016
63	Akshay Patil Priyanka Bhamara Radhika Kolamkar Sanket Date	SI & Mp Turbhe	2016



64	Prasad Jaybhaye	MERCK pvt Ltd	2016
65	Saylee Patil	Tata Consulting Engineering	2016
66	Heena Jethava	Reliance	2016
67	Dhaval Chandan Sairajj Gaonkar Roshan Nemade Kunal Velinkar	Oil Tex Chemical Pvt.Ltd.	2016
68	Shivpriya Sumbha	RCF Chembur	2016
69	Somesh Patil Aakash soni Shaheer Momin	BPCL Chembur	2017
70	Amey Salvi Umang Shreshtha Deva Sonar	RCF Chembur	2017
71	Priyanka Temkar Snehal Didwag Janhavi Chaudhari Suraj Chandrika	RCF Chembur	2017
72	Dhaval Chandan Sairaj Gaonkar Amey Salvi Nikhil Jangam	RCF Chembur	2017



73	Shaheer Momin Aakash Soni Ajay patil	Amines and Plasticizers ltd.Turbhe	2017
74	Raj Barochia Prakash Borana Kishan Panchal Kunal Velinkar Manish Chavan	RCF LTD Chembur	2017
75	Anuj Patel Shubham More Somesh Patil Vinayak Mohite Sushrut Lokhande Kiran Uphale Aagam Karnavat Mital Patil	RCF Alibag	2017

**5.1.5Describe the efforts made by institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

- The institute has an active E cell for over a decade. The college boasts of a few successful entrepreneurs who wish to nurture the current students too.
- Various activities and events are conducted by E cell under the guidance of faculty Advisor and faculty coordinator.
- Students were ranked in 16<sup>th</sup> position out of 105 colleges at the All India level event conducted by IIT Bombay in 2014.



- **ENSPIRE** is a yearly event organized by E cell where startups are invited to educate the students about the process, rules and regulations to go for a startup.
- A few inspired students from the current batch have already become entrepreneurs in streams like teaching, software development etc.
- Some of the final year students have taken up their start up idea as final year project.
- E cell has arranged 'I<sup>3</sup>' session in the college. Students who registered are working for various social bodies and schools.
- E cell has taken initiative for Social Awareness Programme 'Save Water Campaign' for the year 2015. Students visited an orphanage and spent a day during 2015 Diwali

Name	Year of Passing.	E-mail ID	Business Focus	Name of the StartUp	Year of establishment	Explain your StartUp briefly.	Branch
Sunny S. Kadam	2015	<a href="mailto:skjack756@gmail.com">skjack756@gmail.com</a>	Internet & e-commerce	Bazaar Se	2015	Home delivery service of essentials and groceries	Chemical
Ankit Jaiswal	2015	<a href="mailto:ankitjaiswal1201@gmail.com">ankitjaiswal1201@gmail.com</a>	Engineering / R & D Services/ Embedded Services	ihaveakt	2015	We are helping students to clear their KTs & trying to make their Engineering life easy... We provide these students Personal Tutor & good thing is the Tutors are students who are senior to them & know the subject & concept very well. We teach to both Regular & KT students..	Electronics
Rajan M.	2010-14	<a href="mailto:mrrajanmahanjan@gmail.com">mrrajanmahanjan@gmail.com</a>	IT Services/ Products, Intern	Exaulte	2014	We are a software development and digital marketing company. Till date we have had clients ranging from small shops, SMEs,	Elex



			et & e-commerce			political campaigns, to e-commerce and sports websites.  Contrary to the regular, boring and nuisance kind of marketing. We look forward to make marketing as a medium for inspiration, knowledge, amusement and change the way we perceive it.  PS : We are still in a nascent stage of our business, though we intend to move fast and establish ourselves in next couple of months in terms of brand.	
Omjee Mishra	2016	omjeemis hra.rock @gmail.com	Engineering / R & D Services/ Embedded Services	complete human robotics	2014	Robotics	Mechanica l
Ajinkya Shivaji Maske	2015	ajinkyam aske123 @gmail.com	Engineering / R & D Services/ Embedded Services	A2G CIVIL ENGINEERING SERVICES PVT LTD	2005	WORKING AS A TEKLA STEEL STRUCTURE CHECKING ENGINEER.ON TEKLA SOFTWARE	B.E.CIVIL ENGINEERING



Smitesh More	2015	smiteshmore123@gmail.com	IT Services/ Products, Travel and Leisure	Transmego	2015	<p>Transmego offers logistics &amp; transportation support for any kind of Business. Choose from Widest Range of Commercial / Non Commercial Vehicles to meet your Business Needs Transmego is the only OneStop Window offering wide range of Vehicles to hire from. We have initiated our services in Mumbai - Navi Mumbai Region. We plan to scale up our operations &amp; looking for early stage investments for the same. Team Transmego would be glad if could help us in any way.</p> <p>LinkedIn Profile : <a href="https://www.linkedin.com/company/transmego">https://www.linkedin.com/company/transmego</a></p> <p>Twitter Profile: <a href="https://twitter.com/transmego">https://twitter.com/transmego</a></p> <p>Facebook Profile: <a href="https://www.facebook.com/transmego">https://www.facebook.com/transmego</a></p> <p>Website: <a href="http://www.transmego.com">www.transmego.com</a></p>	Computer
Rupesh Maruti Pawar	2015	rupeshpawar93@gmail.com	IT Services/ products, Internet e-comm	Millennials Infotech	2015	We are group of students which develop website, windows apps, android apps and do digital marketing for website as well as content management of sites.	Information Technology



Aqeel Ismail Pinjari	2015	aqeelp7@gmail.com	IT Services/Products	Millennials Infotech	2015	we are the group of students developing websites, windows app, android apps, digital marketing and content management of sites.	Information Technology
----------------------	------	-------------------	----------------------	----------------------	------	---------------------------------------------------------------------------------------------------------------------------------	------------------------

### Ecell Events for 2016-17

30 <sup>th</sup> Sep. 2016	Task Mania-series of task to win exciting prizes
30 <sup>th</sup> Sep. 2016	Physography Photography competition with physics combination
30 <sup>th</sup> Sep. 2016	Creative Writing
30 <sup>th</sup> Sep. 2016	Food stall (home made food) During Tech Fest

E-Cell of Datta Meghe College Engineering Airoli has conducted ENSPIRE'17 programme on 11 March 2017. Eminent speakers like DR. Kaustubh Dhargalkar, Mentor at center for innovation and Enterprise at IIM Ahmedabad, Mr. Prasad Menon, CEO, CIBA Mumbai, were called to give inspirational talk to the budding engineers. Start up entrepreneurs like Mr. Ashish Chanchlani, Social Media Sensation Vine Maker, Mr. Chirag Dodiya CEO and Founder PLOREZ. Mr. Gaurav Sharma, Social Activist, Founder Revolvers Foundation, Mavericks Clothing, have also shared their experiences to the students.

#### **5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

The management of DMCE is committed to provide better facilities to promote and motivate the students to actively participate in the Co-curricular and Extra-curricular Activities like sports, games, Quiz competition, Projects making and cultural activities.

All the branches have student forums to carry out various activities during the academic year. The forums include ACES, SOCHE, GITS, CATT, FOMES and EESA.

SPORTZILLA, an intercollegiate event is conducted by students every year to promote sports activities.



**Garza Maharashtra** is an annual event organised by Marathi Vangmay Mandal which is a registered body of Datta Meghe College of Engineering and it is established to promote regional language. Various activities are organised under the banner of Garza Maharashtra like street play, Books exhibition, poetry recitation, debate, elocution, Essay writing etc.. It provides platform to upcoming talents of the students.

Intercollegiate TECH FEST is organized every year to encourage innovative ideas in youngsters.

#### Co-curricular Achievements of the students

S. N.	Name	Year	Award	Awardees/Organization
1	Suresh Sutar	2015-16	Certificate of participation in All India Inter collegiate Engineering Quiz competition	Organized by ISHRAE.
2	Prasad Rudrawar			
3	Rahul Dole	2015-16	Final Runner up for Regional of Tata Crucible Campus Quiz 2015.	
4	Sagar Surve			
5	Kurne Akshay	2015-16	1 <sup>st</sup> Prize Certificate of excellence for Bridge the Gap Competition in TECH NOVANZA national level technical festival	Organized by VJTI & L&T.

<b>Year 2016-17</b>				
Sr. No	Name Of Students	Award/Recognition	Year	Organization
1.	Akash Kokulwar	1 <sup>st</sup> rank all over Maharashtra	2016	Lokasatta
2.	Shama Khan	Among first 30 in technical quiz	2017	Seed Info Tech



3.	Divya Maloo	Ist and IIInd Round winner in Codevita	2016	Online
4.	Tanmay Gharat	1 <sup>st</sup> rank, IT quiz 3 <sup>rd</sup> rank, Java Code	2016	Online
5	Abhijit Bansode, Amol More, Ankit Khachane, Mayur Patil	Selected for Hakathon National final round	2016-17	Online
6	Ruzan Pithawala	Participation in codechef competition	2017	Directiplex
7	Swati Nenawat	Finale Participation	2017	Tech Geek Goddess
8	GOHIL PRIYANK A PRADEEP	COLLEGE FEST-MILESTONE	2016	FIRST PRIZE, DMCE,AIROLI
9	GORE RACHAN A NARAYA N	cultural-milestone 2016 dance competition	2016	FIRST PRIZE, DMCE,AIROLI
10	JADHAV SHRUTI SUNIL	DANCE-DMCE MILESTONE 2016	2016	FIRST PRIZE, DMCE,AIROLI
<b>Year 2015-16</b>				
1	GORE KIRAN TUKARAM	SECONDARY SCHOOL SCHOLARSHIP EXAM	2015	GK COMPETITION vashi



2	Abhishek Nagekar	cash prize of \$200	2015-16	Online
3	Rahul Pawar	Participation in state level technical paper presentation	2015	---
<b>Year 2014-15</b>				
1	Neha Dhamansk ar	3 <sup>rd</sup> Paper presentation	2014	---
2	Dhanajay Pandit	Google Student Ambassador	2014-2015	Online

**Sports Achievements of the students**

S. N.	Name of the Student	Year	Award	Awardees/Organization
1	Vinayak Bamne, Akshay Bhor and others	2015-16	1 <sup>st</sup> Runner up in Tug-of-war in inter collegiate Tournament	University of Mumbai
2	Akshay Bhor and team	2015-16	2 <sup>nd</sup> Runner up in Kabaddi in inter college.	Lokmanya Tilak College of Engg. Navi Mumbai
3	Nikhil Somwanshi	Best Baller	2016	Airoli Fest,Airoli
4	Swanand Kulkarni	3rd rank	2017	Vidarbha Idol singing competition
5	Shweta Jadhav	II sliver in softball, III	2016-2017	National level State level



		bronze in softball		
6	Purva Bandiwadekar	1 <sup>st</sup> prize, cultural	2016-17	--
7	Bhavana Ashok Rathod	Tug Of War(University level), Treasure Hunt 1st	2016	Marines, Datta meghe college of engg.

8	AISHWARYA SINGH	Tug Of War(University level), Treasure Hunt 1st	2016	Marines, Datta meghe college of engg.
9	Gayatri Asodekar	Participation in Group dance	2015-16	--
10	Sanchi Jawahar	1st,in chess, 2nd in bandminton,2nd in tennis	2015	--



11	Vinit Wani	3 <sup>rd</sup> rank	2016	Kalwa
12	Piyush Shivdas	won bronze medal in Boxing	2015-16	University of Mumbai
13	Soham Amburle	Gold in KDF karate Championship	2014	Thane

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGCNET, SLET, GATE/CAT/GRE/TOFEL/GMAT/Central/State services, Defence, Civil Services, etc.**

The GATE/CAT study material and other competitive exam material is available in the central library. Departments organize guest session for competitive examinations. Classes are organized for improving proficiency in English by communication skill teachers.

**Number of students qualified for competitive exam**

Sr. No.	Academic year	GATE	GRE/GMAT
1	2013-14	28	57
2	2014-15	12	60
3	2015-16	09	40
4	2016-17	03	06

**5.1.8 What type of counselling services are made available to the students (Academic, personal, career, psycho-social etc?)**

**Academic Counselling:**

The institute provides regular counselling to the students to address issues relating to their academic lacunas and obstacles. Institute has constituted a dedicated team of Faculty to counsel the students academically.



**Teacher Guardian scheme:**

A class of 60 students is assigned a Teacher In-charge. This teacher in charge is responsible for smooth functioning of classes. He or she look after the academic requirements, Attendance of the students and make arrangements for remedial and tutorial classes.

**Personal Counselling:**

For a batch of 20 students, a teacher guardian is assigned to monitor and counsel the student's progress in academic, co-curricular and extra-curricular activities. Conducting parents meet and informing them on the progress of their wards. Extra lectures and remedial classes are conducted to improve performance of students. Achievements of students are highlighted on the website, department notice boards.

Our teacher guardian also takes personal care in the case of academically low or irregular students. Interaction with such students is done at one-to-one level. The students are encouraged to share their personal problem and a friendly environment is provided to make them comfortable to share their personal problems. The guardian maintainsecrecy of any personal information and if required direct the student to Psycho counsellor and arrange a meeting too.

**Career Counselling:**

Training and Placement Cell at DMCEis primarily involved in Career Guidance. Online assessment tests are conducted for the students so that they can analyse their strengths and weaknesses.

The placement cell is involved in:

Organizing in-house training programs for hands-on experience

Organizing programs to enhance soft-skills

Career counselling for pursuing higher studies in India and abroad

Conducting entrepreneurship development programs to motivate aspiring Students

**Psycho-socio counselling:**

A counsellor for psycho social analysis is also available for the students in the premises. The students who find it difficult to cope up with their parents or academics or study related problems or have some problem in understanding their abilities or capabilities can seek the appointment from the counsellor and visit her. Few sessions of conversation are conducted to understand the problem and ractify it.



**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes). Career guidance, Training, Placement:**

- A team comprising of Principal, Dean Academics, Heads of the department and Training and Placement Officer Counsel students at frequent intervals.
- On the day of inauguration of First year itself the team addresses all the students regarding the course, policies, and prospects, facilities of college and prospective scope of the course.
- Training and Placement cell arranges seminars and workshops for career guidance and counseling for higher studies.
- Mock aptitude tests and interviews are conducted to train students before they appear for placement interviews.
- Experts and senior corporate are invited from industry to address the students regarding the skills required to fit into the organizations.
- T&P also offers course in soft skills or overall development of students.
- Internship is provided to students depending upon the availability of scope in the companies.

**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

Yes, the institute has full fledged Grievance and Redressal Cell.

Complaint and suggestion boxes are kept on every floor of the institute. HODs of the various departments discuss the suggestion or grievances related to department, and take necessary action.

The grievances and suggestion, related to infrastructure or other facilities forwarded grievance redressal cell for appropriate action

Teacher guardian, during one to one session listen to the grievances, if any, and take appropriate action after discussion.

Women development cell is also committed towards promoting a culture of respect and equality for female gender.

The Members of the committee for current year are as follows.



## Grievance and Redressal Cell- 2016-17

1. Mrs.Kakuli Maiti	Convener(Humanities & Sciences)
2. Mr.Sanjay Patil	Member (Electronics Engineering)
3. Mrs. Vandana Patil	Member (Civil Engineering)
4. Mrs. Seema Nehete	Member (Information Technology)
5. Mrs. Usha Pawar	Member (Mechanical Engineering)
6. Mr. Sunil Kulkarni	Member (Chemical Engineering)
7. Mrs. Nita Patil	Member (Computer Engineering)

**5.1.11What are the institutional provisions for resolving issues pertaining to Sexual harassment?**

A special women grievance cell is formed under the guidelines of VISHAKHAto promote a culture of respect and equality for female gender and to make them aware about the guidelines of Supreme Court and to ensure that sexual harassment is treated as an unacceptable social behaviour within the institution and society.

**Women's Grievance Cell – 2016-17****The members of the Committee are as follows:**

1. Mrs.Suvra Banerjee	Secretary, Nagar Yuwak Shikshan Sanstha Airoli
2. Dr.(Mrs). Aruna Henry	Teaching Faculty
3. Mrs. Shubhangi Vaikole	Teaching Faculty
4. Mrs. Vidya Kubde	Teaching Faculty
5. Mrs. Anjali Haware	Non- Teaching Staff
6. Ms.Harshade Kamble	Third Year Chemical Engg. Student
7. Ms.Bhagyashri Chafekar	Fourth Year Electronics Engg. Student
8. Mr. M.V. Joglekar	Advocate
9. Dr(Mrs.) Rekha Dawar	NGO Member

**Women's Grievance Cell – 2015-16**

1.Mrs.Suvra Banerjee	Secretary, Nagar Yuwak Shikshan Sanstha Airoli
2.Dr.(Mrs). Aruna Henry	Teaching Faculty
3.Mrs. Shubhangi Vaikole	Teaching Faculty
4.Mrs. Vidya Kubde	Teaching Faculty
5.Mrs. Anjali Haware	Non- Teaching Staff
6.Ms.Prajakta Bhapkar	Fourth Year Computer Engg. Student
7.Ms.Simran Sohail	Fourth Year Mechanical Engg. Student
8.Mr. M.V. Joglekar	Advocate
9.Dr.(Mrs.)Rekha G. Dawar	Representative from NGOs

**Women's Grievance Cell – 2014-15**

1. Mrs.Suvra Banerjee	Secretary, Nagar Yuwak Shikshan Sanstha Airoli
2. Dr.(Mrs). Aruna Henry	Teaching Faculty
3. Mrs. Shubhangi Vaikole	Teaching Faculty
4. Mrs. Vidya Kubde	Teaching Faculty
5. Mrs. Anjali Haware	Non- Teaching Staff
6. Ms.Tanushree Talekar	Fourth Year Mechanical Engg. Student
7. Sharvari Dahankar	Fourth Year Computer Engg. Student
8. Mr. M.V. Joglekar	Advocate

**Women's Grievance Cell – 2014-15**

1. Mrs.Suvra Banerjee	Secretary, Nagar Yuwak Shikshan Sanstha Airoli
2. Dr.(Mrs). Aruna Henry	Teaching Faculty
3. Mrs. Shubhangi Vaikole	Teaching Faculty
4. Mrs. Vidya Kubde	Teaching Faculty
5. Mrs. Anjali Haware	Non- Teaching Staff
6. Ms.Tanushree Talekar	Fourth Year Mechanical Engg. Student
7. Sharvari Dahankar	Fourth Year Computer Engg. Student
8. Mr. M.V. Joglekar	Advocate



Alogwith the womens grievance cell, Women's development cell is also formed.

**College Women's Development Cell - 2016-17**

Srno.	Name	Particulars
1.	Dr.Aruna Henry	Convener
2.	Prof.P.A.Dode	Teaching Staff Representative
3.	Prof.Sujata Kolhe	Teaching Staff Representative
4.	Mrs.Anjali Haware	Non-Teaching Representative
5.	Mrs.Swati Patwarkar	Non-Teaching Representative
6.	Ms.June Balchandran	Student Representative
7.	Ms.Hemika Chaudhari	Student Representative
8.	Dr.(Mrs.)Rekha G. Dawar	Representative From NGOs

**College Women's Development Cell - 2015-16**

Srno.	Name	Particulars
1.	Dr.Aruna Henry	Convener
2.	Prof.P.A.Dode	Teaching Staff Representative
3.	Prof.Sujata Kolhe	Teaching Staff Representative
4.	Mrs.Anjali Haware	Non-Teaching Representative
5.	Mrs.Swati Patwarkar	Non-Teaching Representative
6.	Ms.Apoorva Ballal	Student Representative
7.	Ms.Gouri Pande	Student Representative
8.	Dr.(Mrs.)Rekha G. Dawar	Representative From NGOs

**College Women's Development Cell - 2014-15**

Sr.no.	Particulars	Name
1.	Teaching Staff Representatives	Prof.P.A.Dode Prof.Sujata Kolhe
2.	Non-Teaching Representatives	Mrs.Anjali Haware Mrs.Swati Patwarkar
3.	Student Representatives	Ms.Apoorva Ballal Ms.Gouri Pande
4.	Representative From NGOs	Dr.(Mrs.)Rekha G. Dawar

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

An Anti-ragging committee is formed as per the UGC norms and regulation 2009, the Institute follows a strict anti-ragging policy and has a fully functional committee in place. The committee comprises of the Principal, the Dean Academics, a Representative from VIT wadala, Senior Technician BARC, the Police force and former special correspondent PTI, various Heads of Departments, Faculty Representative and Student Representative. This committee plays an active role to prevent any ragging incident in the institution.

The details of anti-ragging committee members for 2016-17 are :

Dr. Sudhir D. Sawarkar	Principal- DMCE
Dr.S.R.Devane	Dean Academics & HOD Info.Tech. DMCE
Dr.Anjali P.Deshpande	Professor VIT Wadala
Mr.Vijay M. Bagade	Senior Technician- BARC
Mr.Santosh B. Kotwal	Asstt.Police Inspector, Rabale Police Station
Ms.Lalitha Vaidyanathan	Former Special Correspondent –PTI
Dr.H.S.Chore	Head, Civil Engineering Department- DMCE
Dr.D.J.Pete	Head, Electronics Engineering Department- DMCE
Prof.A.P.Pande	Head, Computer Engineering Department- DMCE
Dr.P.D.Deshmukh	Head, Mechanical Engineering Department- DMCE
Dr.K.S.Deshmukh	Head, Chemical Engineering Department- DMCE
Dr.V.M.Balsaraf	Head Humanities and Sciences Department-DMCE
Prof.S.R.Jajoo	Assistant Professor, Electronics Engg.Dept.-DMCE
Dr.Smita Patil	Associate Professor, Civil Engg.Dept.-DMCE
Prof.C.S.Pawar	Assistant Professor, Mechanical Engg.Dept.-DMCE
Prof.P.M.Ingole	Assistant Professor, Chemical Engg.Dept.-DMCE



	Prof.G.M.Patil	Assistant Professor, Humanities and Sciences Dept.-DMCE
	Prof.Elizabeth Thomas	Assistant Professor, Humanities and Sciences Dept.-DMCE
	Mr.Tejas Chalak	Student FE DMCE
	Mr.Rahul Badawane	Student FE DMCE
	Ms.Shriya Nadkarni	Student BE DMCE
	Mr.Omkar Mokal	Student BE DMCE

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

Economical weaker students are benefitted by Fees waiver scheme.

The needy students are provided facility to pay tuition fees in instalments.

There is provision of free Text Book supply facility offered in the library for SC and ST category students. On need, this facility is extended to students of economically weaker sections too.

Accidental and life cover is provided to all students free of charge by DMCE.

Various types of Counselling and guidance is provided to students.

**5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?**

Yes the Alumni Association of DMCE is registered vide letter no.MH/1277/04/Thane. The cell is active and conduct yearly meetings.

**LIST OF EMINENT ALLUMNI:**

Sr. No .	Name	Email ID	Mobile Number	City	Countr y	Pincod e	Pass-out Yr	Branch	Name of Organization / Institute	Designat ion
1	Anil Shewale	Anilshewale@gmail.com	9820668442	Mumb ai	India	400084	1998	Computer	Tata Motors Ltd.	Head - Enterpris e Architecture
2	Shefali Sherrin	shefali.sherrin@gmail.com	9820477499	Pune	India	411006	1995	Electronics	Deutsche Bank	VP



3	Nirav Mody	modynirav@yahoo.co.in	9819938831	Mumbai	India	400080	1998	Civil	Spectrum Techno Consultants Pvt Ltd	Director
4	Devang Desai	desai.devang@yahoo.co.in	9867509235	Mumbai	India	400067	1995	Civil	Relcon infra projects limited	GM Projects
5	Pulkit Mehta	mehtapulkit@hotmail.com	1-7323180940	Edison	USA	8820	1995	Electronics	Hexaware Technologies	AVP
6	AMIT ATHAWALE ALE	amitathawale@gmail.com	9833014385	Mumbai	India	400076	1996	Computer	Capgemini India	Director
7	Hiten M Shah	Shahhiten05@gmail.com	9967519961	Mumbai	India	421201	1997	Civil	Runwal Developers	Vice President
8	Kiran Jhurani	kjhurani@gmail.com		Monroe Township	United States	8831	1996	Electronics	S&P Global	Director
9	Anand Karapurkar	Anand@infobahnindia.net	9821018477	Thane	India	300606	1994	Electronics	Infobahn Technical Solutions (I) Pvt Ltd	Founder & Director
10	Anand Yeri	anand.yeri@gmail.com	8043002738	Henrico	United States	23233	1996	Civil	Cognizant	Associate director
11	Amal Kulkarni	amal.a.kulkarni@gmail.com	9820572090	Mumbai	India	400074	1999	Civil	Gardiner & Theobald	Associate Director
12	Anto Philip	anto.philip@gmail.com	15162862595	Charlottesville	USA	29715	2000	Electronics	Bank of America	Vice President
13	Sandeep Khadke	Sandeep.khade28@gmail.com	9820029829	Mumbai	India	400701	2007	Chemical	Sharpex filters india pvt ltd	Director
14	Karan Chaumal	vrsdns@gmail.com	9833815469	Mumbai	India	400077	2010	Civil	Positron architects, vedhas realtors pvt ltd	Director



15	Kishore Butani	Khb@carbonyatra.com	100	Mapusa	India	403507	1999	Civil	Carbonyatra	Founder
16	Abdesh Jha	Abdesh.jha@gmail.com	7718801331	Mumbai	India	421301	2000	Computer	Reliance Jio Infocomm Ltd	General Manager
17	Sherrin Varghese	sherrin.varghese@gmail.com	9820033053	Mumbai	India	400095	1999	Mechanical	Vertikal Productions	Proprietor
18	Aby Abraham	abymathen@gmail.com	9820856526	Pune	India	411040	1999	Civil	AMA engineers	Owner

## 5.2 Student Progression

**5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.**

### STUDENTS PROGRESSION OF CIVIL DEPT.

STUDENT PROGRESSION	against % enrolled			
	2013-14	2014-15	2015-16	2016-17
UG TO PG	20.51	31	40	---
PG TO PHD	5.55		5.55	----
EMPLOYED *CAMPUS SELECTION	19.09	15.12	22.72	----
*OTHR THAN CAMPUS RECRUITMENT	---	---	---	---
SELF EMPLOYED	3.2	5	4.5	---



## STUDENTS PROGRESSION OF ELECTRONICS DEPT.

<b>STUDENT PROGRESSION</b>	<b>against % enrolled</b>			
	2013-14	21014-15	2015-16	2016-17
UG TO PG	20	20	21	02
PG TO PHD	0	0	0	0
EMPLOYED *CAMPUS SELECTION	25	25	45	22
*OTHR THAN CAMPUS RECRUITMENT	--	--	--	--
SELF EMPLOYED	--	--	--	--

## STUDENTS PROGRESSION OF MECHANICAL DEPT.

<b>STUDENT PROGRESSION</b>	<b>against % enrolled</b>			
	2013-14	21014-15	2015-16	2016-17
UG TO PG	10.56	12.4	12.2	--
PG TO PHD	0	0	0	0
EMPLOYED *CAMPUS SELECTION	--	--	--	--
*OTHR THAN CAMPUS RECRUITMENT	10	24.8	16.5	--
SELF EMPLOYED	--	--	--	--



## STUDENTS PROGRESSION OF CHEMICAL DEPT.

STUDENT PROGRESSION	against % enrolled			
	2013-14	21014-15	2015-16	2016-17
UG TO PG	20.51	11.42	6.75	--
PG TO PHD	0	0	0	--
EMPLOYED *CAMPUS SELECTION	8.9	11.25	9.45	--
*OTHR THAN CAMPUS RECRUITMENT	--	--	--	--
SELF EMPLOYED	3.2	5	4.5	--

## STUDENTS PROGRESSION OF INFORMATION &amp; TECHNOLOGY DEPT.

STUDENT PROGRESSION	against % enrolled			
	2013-14	21014-15	2015-16	2016-17
UG TO PG	20	20	21	02
PG TO PHD	0	0	0	0
EMPLOYED *CAMPUS SELECTION	25	25	45	22
*OTHR THAN CAMPUS RECRUITMENT	--	--	--	--
SELF EMPLOYED	--	--	--	--

**5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)?Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating University within the city/district.**



Department	2013-14		2014-15		2015-16	
	DMCE	MU	DMCE	MU	DMCE	MU
Civil	92.03	87.38	88	88.20	88.46	-
Electronics	92.80	83.08	90.06	80.06	91.08	-
Computer	93.71	93.43	98.06	96.69	96.48	-
Mechanical	87.34	85.74	92.80	75.30	96.43	-
Chemical	85.07	85.86	90.54	93.10	100	-
I.T.	91	96.25	100	96.12	88	-

**5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?**

The active Training and Placement cell strive to provide career opportunities to students. The cell organises Placement drives, Lectures on Career opportunities, preparation for GATE, CAT, GRE, etc. or for any other competitive examinations. Special aptitude, soft skill and technical skill workshops are arranged. DMCE also organises the lectures of eminent scientists/personalities/counsellors on careers after graduation/post-graduation in various fields. (Refer Table No.)

**5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?**

Teacher guardian is the unique facility provided to the students. For each batch the institution designates a teacher in charge to take care of problems relating to academics and otherwise at a personal level.

The department appoints teacher guardian for every batch who identifies weak students based on regular test conducted. Wherever necessary, parents are invited to take part in the counselling. Remedial classes, extra-hour classes, frequent tests are arranged on regular basis for such weak student.

**5.3 Student Participation and Activities****5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.**

Students are encouraged to participate in extra-curricular and co-curricular activities such as technical fests, cultural events, and sports events on national and international level etc. which are organized by reputed institutions Universities and Government Institutes. Necessary support and guidance is provided by the Department like financial assistance, Internet facility and library facility. Faculty members are deputed to assist and guide the students. The students from this institution have participated in various international, national and state level competitions and have been proved as valuable contributors in the field of education and research.



**5.3.2 Furnish the details of major student achievements in co- curricular, extracurricular and cultural activities at different levels: University / State / Zonal /National / International, etc. for the previous four years.**

**iii) Sports Achievements: Mechanical Engineering**

S. N.	Name of the Student	Year	Award	Awardees/Organization
1	Vinayak Bamne, Akshay Bhor and others	2015-16	1 <sup>st</sup> Runner up in Tug-of-war in inter collegiate Tournament	University of Mumbai
2	Akshay Bhor and team	2015-16	2 <sup>nd</sup> Runner up in Kabaddi in inter college.	Lokmanya Tilak College of Engg. Navi Mumbai

**ii) Co-curricular Achievements:**

S. N.	Name	Year	Award	Awardees/Organization
1	Suresh Sutar	2015-16	Certificate of participation in All India Inter collegiate Engineering Quiz competition	Organized by ISHRAE.
2	Prasad Rudrawar			
3	Rahul Dole	2015-16	Final Runner up for Regional of Tata Crucible Campus Quiz 2015.	
4	Sagar Surve			
5	Kurne Akshay	2015-16	1 <sup>st</sup> Prize Certificate of excellence for Bridge the Gap Competition in TECH NOVANZA national level technical festival	Organized by VJTI & L&T.

**Chemical Engineering : Student Achievements**

YEAR-2016-2017		
Sr No	Name of Students	Awards/Recognitions received
1	Chirag Shirodkar Ashutosh Karkare	Got 3 <sup>rd</sup> place in Technical Paper Presentation titled “Nanotechnology in Environment”, at “CHEM-PRO - 2017”, in College of engineering and Technology Akola Feb 2017
		Got 1 <sup>st</sup> place in Technical Paper Presentation titled “Nanotechnology in medicines”, RSCIENCE Barathi Vidyapeeth college of Engineering Feb 2017
		Got 2 <sup>nd</sup> rank in Technical Paper presentation titled ,”Advanced Material in Nanotechnology, National Chemical Engineering Students Conference <b>PLATINUM REACT</b> Laxminarayan Institute of Technology Nagpur January 2017
		. Got 1 <sup>st</sup> place in Technical Paper Presentation titled “The Prominace of Nanomaterials in Sciences and Medicines”, at “National Chemical Engineering Students Conference –PRAKALP 2016”, in MIT Alandi during 26 <sup>th</sup> and 27 <sup>th</sup> August 2016.
		Got 1 <sup>st</sup> place in Technical Paper Presentation titeled “Nanotechnology in Environment and Sciences”, at “National Chemical Engineering Students Conference –CHEMERGENCE-2016”, in TSEC Bandra during 2 <sup>nd</sup> and 3 <sup>rd</sup> Oct 2016.
		Got 3 <sup>rd</sup> place in Technical Paper Presentation titeled “Nanotechnology in Environment”, at “VORTEX - 2016”, in ICT Matunga During 20 <sup>th</sup> to 23rd Oct 2016.

**YEAR-2015-2016**

1	Akshita Mogaveera, Himanshu Malani Pravin Salve	Won N. R. Kamath trophy for the year 2015-16 by defeating six times champions ICT Matunga and IITB which was held in IITB on 12 <sup>th</sup> March 2016.
2	Akshita Mogaveera Aditi Bhudale NaveenSabbani	Won the winners' cup of chem. Engg quiz by getting 1 <sup>st</sup> position in BVCOE Belapur on 5 <sup>th</sup> March 2016.
3	Chirag Shirodkar Ashutosh Karkare	Runners up prize of Rs 5000/- and certificates in OYCE Blast Carboblocks- Thyssenkrupp Award 2016 on 26 <sup>th</sup> and 27 <sup>th</sup> Feb 2016 held at DMCE Airoli
4	Chirag Shirodkar Ashutosh Karkare	Secured 3 <sup>rd</sup> position in the event, "Papyrus", held during VORTEX 2015 at the Institute of Chemical Technolgy, Mumbai from 10 <sup>th</sup> to 13 <sup>th</sup> Oct 2015.

**YEAR-2014-2015**

1	Bajirao Todkar Madhuri Rampelli	Secured 1 <sup>st</sup> position in paper presentation competition on topic "Extraction of Silica From Rice Husk", in NCOAT-NIRMITI-2015 held on 28 <sup>th</sup> Feb 2015 at PIET, Nagpur.
2	Vivek Tiwari Ganesh Pal	Got 1 <sup>st</sup> position in Technical Paper Presentation titled "Microbial Enhanced Oil Recovery", in "Prakalp 2014-15" organized by MIT PUNE on 5 <sup>th</sup> and 6 <sup>th</sup> Sep 2014.

**YEAR2013-2014**

1	Charmi Nagaria Madura Chincholi Priyanka Sagweka	Placed second runner up N.R.Kamath Quiz 2014 held in DJSCOE Vile Parle on 11 <sup>th</sup> March 2014.
2	Shantanu Lanke	Placed 1 <sup>st</sup> Position in Technical Paper Presentation at Thadomal Sahani Engg.College.Bandra Mumbai on October-2013

**University Rank**

<b>YEAR-2015-2016</b>		
1	Shetty Ronak R	10 SGPI
2	Mogaveera Akshita A	9.89 SGPI
3	Nair Aishwarya K	9.64 SGPI
<b>YEAR-2014-2015</b>		
1	Mr.Nair Sachin	81.66 (1 <sup>st</sup> University Rank)
2	Mr.Mittal Ayush	78.73 (9 <sup>th</sup> University Rank)
3	Ms.Pillai Saranya	78.33(10 <sup>th</sup> University Rank)
<b>YEAR2013-2014</b>		
1	Mr.Puthoor Yaseer Yusuf	80.06 4 <sup>nd</sup> University Rank
2	Mr. Uppara Prashantsagar Anand	79.20 6 <sup>th</sup> University Rank

**5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

Student feedback is a regular practice in DMCE. At the end of every semester the feedback is collected from the student. This feedback is collected from administrative staff and students are encouraged to give this feedback fearlessly without any conditions imposed. This is used to analyse the performance of faculty in the class.

The criteria for feedback is :knowledge of content, Delivery of content, behaviour of teacher in class, punctuality, honesty, Organisation of information.

A general feedback is also collected during the same process regarding Infrastructure and other facilities in the institute.

The feedback is compiled, stored digitally and kept with Principal. A team of members discuss the feedback and take necessary action.

**5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**



**Every** Department have student bodies which publish their brochures and newsletters every year. The Prospectus contains information about:

- Message from Principal
- Message from Head of the Department
- A word from the general Secretary
- Committee of Student organization.
- Articles based on recent trends in the field of engineering and technology.
- Student activities in curricular and co-curricular and extra curricular

**5.3.5 Does the college have a Student Council or any similar body?**

**Give details on its selection, constitution, activities and funding.**

Yes the college have a student council. The student council is constituted by nominating students who along with achievers in the fields of sports, cultural faculty and a women representative. The faculty and staff members nominated by Principal, act as Advisors to the council. The main objective of student council is to develop functional relationship among students, management and faculty. Two representatives of each departments are the members of the council. The aim and objective of the council is to provide a constructive opportunity to the students to participate, interact and provide a feedback about academic program, infrastructural facilities, discipline and general environment, so that desired corrective methods can be taken. It also helps the students to become an active and responsible participant in decision making process which in a long run lead to imbibe leadership qualities among students. The council members take a lead role in all the events organised in Datta Meghe College of Engineering including Milestone, Technitude, and social events.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

Association of Civil Engineering Students (ACES), is the organizations formed by the students of civil engineering department for carrying out various academic and extra-curricular activities for betterment of student as well as society.

---



Over a period of last few years students have organized various academic activities like organizing seminars on construction related topics and technical events like Technitude which encourage students to apply their knowledge in various competitions like town planning ,Bridge it ,paper presentation etc. supplementary to this students have also carried out various activities for betterment of society such as Blood donation camp, Tree plantation social event like donation camp for under privileged members of society.



CATT (Computer Association for Technological Trends), a student association actively organizes various technical & non technical events such as technical test, group discussions, code debugging, mock aptitude tests, technical seminars based on advanced technologies and industrial practices.

The committee was established in the academic year 2003-04 for representing Computer Department. To make the students aware of the recent trends and technology, Computer Department conducts various Skill Development Programs through CATT.

The activities performed by CATT in the recent years are as follows:

- Seminars

The members of CATT have always been active in organizing various seminars, talks and interactive sessions with experts from various fields. Some of the major highlights of which are programming language based sessions such as Python, Java, C++, PHP etc. The students are always motivated to come forward and showcase their knowledge through these seminars.

- Workshops

Along all these years, there have been many workshops conducted in the campus to imbibe the skills in students. Some of which are - Code Debugging, Clean Coding, Ethical Hacking, Aptitude preparation, Python, Analytical Skill Development, Personality Development etc.



- Hack-a-thons

Coding is the root of Computer Students. For which they need a platform, the exposure to present their prowess in coding. One such platform is the Hackathon presented by well-established corporates like TCS, Capgemini, Mastek etc.

- Social development activities

Apart from academic excellence, our students also get involved in social activities for numerous NGOs, such as Teach For India (TFI), SMILE, Alert India and individual contributions towards Swach Bharat Abhiyaan and Awareness Drives.

- Technical Events

- Robo Champ
- Minute to Win It
- Tech Go
- Time Out
- Night Out
- Code Wars
- Crazy Keyboard
- Tech Bate

- CATT has also started a platform for sharing technical updates, appreciating students for their co-curricular achievements and overall personal well-being as CATT-CONNECT.



**FORUM OF MECHANUCAL ENGINEERS**

**DMCE, AIROLI**

**FOMES**

The Forum of Mechanical Engineering Students [FOMES] is a self-sustaining student council that provides a platform for the all-around development of the students' personality and for the overall betterment of the college. It was founded in 2002. FOMES is designed with a mission to function as a multidimensional corporate unit.

---



FOMES has been jointly organizing a Technical Festival for the past 15 years to train the students of Mechanical Department in the fields of Event Management and Market Economics. During these years, FOMES, with the active help and mentoring of the college and faculty, has attained impressive levels of functioning through team work and leadership. Adhering to its manifesto of covering technical as well as non-technical aspects FOMES has organized a variety of events, ranging from Industrial Visits to Blood Donation Camps.

#### SOChE

Students organization of chemical Engineering (SOChE) is the governing student body of activities related to Department of Chemical Engineering in Datta Meghe college of Engineering. SOChE organize various seminars, guest lectures, field visits for the benefits of students. SOChE celebrates Teachers day and Engineer's day every year in a very unique manner. SOChE made an active participation with other student bodies during cultural festival of our college and also technical festival TECHNITUDE to encourage the extracurricular development of students of our department and also to enhance their technical knowledge and thinking ability.

SOChE and IIChE student chapter organized tree plantation and Swach Bharat Abhiyan in year 2015. Recycle Campaign was organized by the combined efforts of IIT Bombay and DMCE Chemical Department. It was an initiative step to promote cleaner, greener and healthier India.

#### GITS Group of Information Technology

Group of Information Technology (GITS) is an apex student body, student's counsel that integrates the academic, co-curricular spares of student's life. GITS provides the out of class experience to the academic mission of the department and uplifting student's intellectual, public service and leadership qualities. The GITS committee includes the members of Third year students. GITS committee solves student's problems. GITS committee promotes extra-curricular activities in the Information Technology Department. GITS fosters TECHNITUDE, Teachers day and Engineers day celebration etc .

GITS student association actively organizes various technical & non-technical events.

- GITS has organized PHP Programming workshop on 24th, 25th, 26th September 2015 delivered by Mr. Dhananjay Pandit, Student of DMCE(Comp).
  - GITS has organized PHP Programming workshop on 14th, 15th, 16th January 2016 delivered by Mr. Dhananjay Pandit, Student of DMCE(Comp).
-



- GITS has organized training program on Cyber Security, 13th Feb 2017 delivered by Vijay Chaudhari from Technotronics Ltd, Mahape.
- GITS has organized Hackathon, 11th Jan 2016 conducted by Prof Kevin Patel from IIT Bombay.

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

The active Alumni Cell conduct Alumni meeting on an yearly basis and call the reputed person as eminent speaker to motivate members of faculty as well as students.



PICTURES

	
Blood donation camp - 2017	Smart board demonstration
	
Women's day Celebration	Women's day Celebration



## Activities at glance

 <p><b>Indian Society for Technical Education</b> <b>ISTE BEST STUDENT CHAPTER AWARD FOR MAHARASHTRA &amp; GOA SECTION</b> <b>2016</b> Awarded to <b>Datta Meghe College of Engineering Navi Mumbai</b> considering their overall leadership and quantum of activities during the year amongst the Students Chapters in <i>Maharashtra &amp; Goa Section</i>. During 19<sup>th</sup> ISTE Students National Annual Convention</p>	<p><b>Rules</b></p> <p>1. Answer 10 questions in 120 seconds. 2. Not allowed unless two present. 3. Answered in sequence from only by one person.</p> <p><b>Prizes</b></p> <p>1. First Prize - Rs. 10,000/- 2. Second Prize - Rs. 5,000/- 3. Third Prize - Rs. 3,000/- 4. Commemorative Trophy 5. Certificate 6. Trophy 7. Trophy 8. Trophy 9. Trophy 10. Trophy</p> 
<p>ISTE Best student chapter Certificate</p> 	<p>Award Ceremony N.R.Kamath Quiz Contest</p> 
<p>Seminar on Self Defence by Rabale Police</p>	<p>Seminar delivered by eminent speaker</p>



## **Criterion VI: Governance, Leadership and Management**

### **6.1 Institutional Vision and Leadership**

**6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

#### **Vision:**

To provide world class facilities along with pre-eminent educational experiences that encourage, and are responsive to fulfil the need of twenty first century in research and academics for creating leadership in technology to address the critical needs of industry in particular, and society in general to foster the techno-economic development of the nation

#### **Mission:**

To nurture the intellectual growth of learners for serving the society through creation, application, and dissemination of knowledge relevant to the best practices of Engineering and Technology for socio-economic growth of the nation

#### **Characteristics of MISSION:**

Commitment to achieve the highest standard in imparting technical education

Commitment to undertake the research of social values and national interests

Commitment to develop and nurture technical qualities amongst the students

Commitment to make the students into responsible citizens.



### **6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

The top management, Principal and faculty work together for the progress of the institute. The role of top management, Principal and faculty in design and implementation of quality policy and plans is detailed below:

**Top Management:** Regularly interacts with the institute administration through Local Management Committee (LMC) meetings,

- Ensures adequate financial support for creation of academic and administrative infrastructure.
- Identifies and appoints competent, dedicated teaching faculty capable of effective implementation of teaching-learning process so as to achieve the vision and mission of the institute.
- Ensures availability of proper working conditions/ academic ambience to faculty and staff to realize their potential.

**Principal:**

- Shares the views of the management and other important decisions taken by the management in the meetings conducted with Dean and heads for academic and administrative review
- Sets up rules & regulations of the institution for decentralized and participatory administration, effective governance and transparency in administration.
- Sets goals and motivates the faculty and staff for attainment of the institute's vision and mission
- Identifies and hires competent, qualified faculty and ensures technical competency by creating opportunities for faculty to grow professionally
- Identifies the traits and competencies of the faculty and encourages team building
- Ensures availability of infrastructure and other facilities to satisfy academic and administrative requirements

**Faculty :**

- The faculty is one of the most important stake holder and a key pillar of the institute.
- The faculty provided input beyond the syllabus; to the students so as to bridge the gap between industry and institute.
- Faculty uses various innovative teaching techniques to take the students from the basic level of learning.
- The faculty ensures the proper teaching –learning process.

**6.1.3 What is the involvement of the leadership in ensuring?**

- The policy statements and action plans for fulfilment of the stated mission
- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence
- Champion organizational change

The Leadership of the College is positively involved in the development and growth of the College. The Top Management as well as other stakeholders represented by the Principal make policy framework for the vision, mission and the Perspective Plan of the College.

- **The policy statements and action plans for fulfilment of the stated mission**

Adopting procedures for excellent teaching- learning processes. Expansion of infrastructure and human resources to meet the increasing academic and research demands Training and upgrading to make the students globally competent Organizing technical, social and cultural programmes to train ethical values Community service through different units to absorb humane values.



- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

Action plan is formulated by Principal, Dean and Heads under the direction of the top management in the meetings, taking into consideration the inputs from all the stakeholders. These plans are periodically reviewed and effectively implemented through participation of faculty, staff and students.

Dean Academics prepares the academic calendar with inputs from the affiliating university (academic calendar) and the Head of Department of all streams. The calendar involves a list of academic, co-curricular, extracurricular activities and events listed at the start of the semester. Every department prepares its academic calendar in accordance with the inputs received and ensures effective implementation of the same.

- **Interaction with stakeholders**

The leadership initiates interaction with stake holders by organizing :

- Parent-teachers meeting.
- Faculty meeting.
- Industry sponsored projects, valid MoUs, and certificate courses.
- Meeting industry experts who visit the college for special lectures, project reviews and other functions.
- Meeting with students and alumni obtaining their feedback and initiating necessary improvement measures.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

The HODs review the departmental progress for continuous improvement in consultation with the Principal. Based on the suggestions given by the stakeholders during interactions, guest lectures under training programmes are arranged for bridging the gap between academics and industry. The institute has signed MoUs with various companies for providing additional technical training to the students.



- **Reinforcing the culture of excellence**

The Institute believes in striving for excellence in all aspects. The students are trained to take initiatives to act on opportunities and take responsibilities.

- **Champion organizational change**

To achieve excellence, the institute is always open for accepting change in policy. To change the policy it considers the preceding year's performance in terms of academic results, research publications, journals, placements, funded projects, etc., the institute follows a well-structured approach for implementing the required changes to ensure improvement in the performance of the system. To achieve the above goals in the institute, the requirements are conveyed to the higher competent authorities.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

##### **Institute Level**

The institution has taken intensive steps to maintain quality in academics and in administration and has obtained the ISO 9001:2008 certifications from International authority \_in 02/02/2010 for maintaining ISO standards.

The institution improves the quality of its academic programmes in the following ways:

- Continuous Assessment of teachers and students.
- Conduct of class in-charge meetings for students' attendance & performance analysis, and accordingly inform parents/guardians through electronic mail and SMS.
- Monthly review of academic processes and progress by HoDs.
- Incorporating the inputs received from industry experts in the teaching-learning process to provide an edge over the curriculum prescribed by the university.
- Obtaining periodical feedback from parents, students, external experts.
- Thoroughly maintaining staff & student database.
- The library committee ensures maximum number of faculty and students using the library facility.
- Scrutiny of students' projects by industrial experts.



- Communication facilities such as Intercom, Internet, Intranet.
- Training and Placement cell arranges guest lectures by industrial professionals, industrial visits, and helps students to get employment.
- Alumni committee maintains alumni database and interacts with them for the benefit of the regular students.
- Committee for extra-curricular activities celebrate special days such as Independence day, Republic day, Women's day, Engineers day, yoga day, Marathi vangmay,blood donation camp and annual technical and social gathering.
- Anti-Ragging committee carryout regular checks, surprise checks for any ragging activity in the campus as well as anti-ragging instructions are displayed in the campus.
- Women's grievance cell provides awareness program to faculty members and students about the sexual harassment and other related issues and also provides counselling from well trained staff.
- Purchase committee. Budget provision, procure new equipment.

### **Departmental Level**

For the smooth conduction of academics the institute level committee is followed in the given order:

- Academic Monitoring Committee.
- Library Committee.
- Examination Coordination Committee.
- Projects-UG and PG Planning and Monitoring Committee.
- Records Audit and Inspection Committee.
- Training and Placement/ Committee.
- Alumni Committee.
- Conferences/Publications Committee.
- Monitoring of Extra-curricular activities.
- Anti-Ragging Committee.
- Women's Grievance cell.
- Purchase Committee.

**6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

- Planning of Academics, Review of Exam Results & Performance of Students.
- Framing quality policy for teaching and learning.
- Monitoring lectures and practicals, Students' and parents' feedbacks.
- Preparing research proposals, conduction of technical workshops.
- Planning, monitoring, evaluation and inputs for quality improvement.
- Coordination between different departments for effective academics and administration.
- Implementation of directives from authorities.

**6.1.6 How does the college groom leadership at various levels?**

For individual policies and plans, various committees are formed consisting of coordinator and members. These committees are delegated with authority to work in their respective committees and supervision is done by the Principal. It improves decision making abilities.

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

- The institution believes in promoting a culture of decentralized governance system.
- For example:
- The Head of the Department has the authority in deciding the activities and delegating their responsibilities to the staff members of the department.
- The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, MoUs and work towards achieving its vision and mission.
- Freedom to organize the administrative activities in accordance with the institutional policies.

**6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.**

Yes, the institute encourages participative management. The head of the institute frames policies and plans after collecting opinion and ideas of HODs, faculty members in the staff meeting.

The HOD, in departmental meetings, gives adequate authority and responsibility to staff to discuss about implementation of action plans. Students, non-teaching staff are also made as members of various committees which involve participative management. Alumni meets, parent meets are conducted to collect feedback about institution which contributes to participative management.

- **Strategy Development and Deployment**

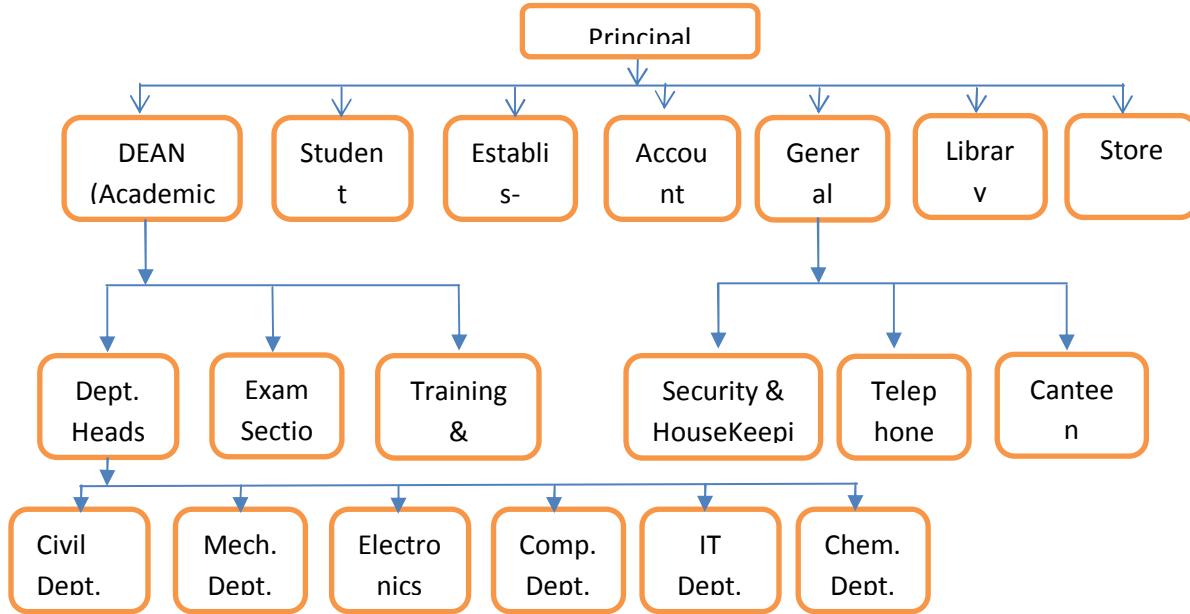
**6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

Yes, Quality policy clearly states the objectives of the institution, its progress towards the achievement of objectives and its contribution to the society. It imparts quality education in the field of engineering and information technology to meet expectations of our students, parents, industries and society with a focus on all round development of a student.

The institute is committed to equip the students with value added engineering skills, in conformation with the current and future needs of the industry.

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

Yes, the institute has a perspective plan for development. In accordance to that, it is committed for developing proper infrastructure, budget allocation, enhancement of quality education with e-learning, workshops, seminars, FDP's and conferences complementing the regular classroom teaching. To achieve this, institute specifies the targets to all the concerned departments by providing proper information collected from stakeholders, advisors, etc., who are directly related for imparting institutional excellence.

**6.2.3 Describe the internal organizational structure and decision making processes.**

The Principal of the college heads both the academic as well as the administrative sections and is overall in charge of the college. The Institutional and Policy decisions are made by the Principal in the consultation with management.

Dean and HODs are consulted by the Principal in arriving at Academic policies

The department level decisions are made by HODs in line with guidelines provided by Mumbai University and AICTE.

The other administrative support units in the college help in monitoring and facilitating several administrative functions and make administration open and transparent. The decentralization of power is evident from the structure.



**6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

**Teaching & Learning:**

The Institute ensures effectiveness of the teaching-learning process by:

- The institute recruits qualified, experienced faculty according to norms specified by the AICTE/UoM norms.
- Student feedback is taken twice a semester on the quality of teaching-learning which is utilized for improving the teacher's skills.
- Students are encouraged to present seminars using LCD projector.
- Institute- parent interactive meetings are conducted to discuss the performance of the students for timely action and follow up. Principal, HoDs and Faculty members meet students and parents personally to discuss the progress of the students.
- Student counseling system wherein over 15 students are counseled by a Faculty Counselor in order to motivate, guide and counsel the students periodically.
- Students' attendance and performance are monitored and assessed by an exclusive software developed by in-house software team.
- Enhanced learning infrastructure is provided in classrooms like LCDs, and Smart boards.
- Internet facility for students and faculty for access to e-learning resources
- Inputs beyond curriculum and self-learning components are introduced in teaching-learning to expose students to recent trends in the subject and to inculcate the spirit of lifelong learning
- Remedial lectures are taken for weak students to bring them at par with the learning of other students.
- Guest lectures / Seminars/ workshops are arranged for both faculty and students.
- Promoting professional development of faculty by providing support

To undergo refresher courses.

To pursue higher education.

To attend and organize national and international seminars/workshops / conferences.

**Web-based Learning:**

The institute has central internet facility with 48 Mbps leased lines. There centralized computing facility promotes and motivate students for self-learning, e-learning and NPTEL.



### **Learning with Multi-media:**

- Digital library facility.
- Availability of video lectures.

LCD projectors and Smart Board for presentation.

### **Research & Development:**

- The Institute has research laboratories in some of the departments.
- Adequate journals, reference books, internet, laboratory facilities are made available.
- Sponsorships are provided for researchers to visit universities in India for attending conferences/ workshops/ QIPs.
- Motivation and guidance to apply for funded research projects.

### **Community Engagement**

We serve the community by:

- Organizing Blood Donation camps
- Organizing awareness programmes and literacy camps.
- Providing training on alternative energy sources
- Organizing Tree plantation activity.
- Organizing Environmental Awareness Program

For each association, one senior faculty member is nominated as a program officer.

### **Human Resource Management:**

The institute strictly gives priority for the recruitment of suitable, competent faculty and training them to meet their teaching objectives. Training is arranged for teaching as well as nonteaching staff by identifying training needs, for enhancing professional competencies, teaching and soft skills Service rules are transparent and benefits like Provident Fund, Gratuity, Group Insurance Scheme,student insurance, etc. are provided to employees. The institute arranges lectures for staff, to assist them for effective stress.

### **Industry Interaction:**

Training & Placement Cell adopts good relations with the industries as a part of the placement drive. In order to understand industry needs the cell makes arrangement for lectures/interactions with eminent industrialists, panel discussions between students, faculty and industry experts which serve as an input for identifying training needs of our students in order to make them employable.

---



Reviews of students' projects by industrial experts and their suggestions for improvement are incorporated. Obtain industry sponsored final year projects.

**6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

- Principal is both the academic as well as the administrative head of the institution.
- The Principal further acts as a bridge between the top management and other stakeholders including the faculty and students.
- The Principal of the college is the Chairperson of all the academic and administrative Committees of the College.
- The Institute obtains feedbacks from all its stakeholders.
- The feedback questionnaires are designed to extract the specific information. This process is periodically conducted and necessary steps are taken accordingly.
- The management and Principal interacts with each other whenever requires and the information is propagated.
- Principal gets the feedback from HODs, teachers, students and the alumni with regards to the teaching quality, curriculum, extracurricular activities and the infrastructural demands.
- The source data is collected from various departments through HODs and various other committee in-charges.
- The other stakeholders can review the activities of the Institute through website on which information is available in the form of mandatory disclosure, self-study report and any other relevant information.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The faculty members are given the facility to post lesson plan, notes on lesson and lab manual in website. Computer with internet facility is provided in classrooms along with smart board . The faculty members are enabled to participate in and make use of Faculty development programmes, Industrial visits, Industrial training, various conferences and seminars in the area of specialization and UGC and AICTE sponsored quality improvement programmes.

Faculty members are also encouraged to pursue higher studies through study leave, flexibility in workload and timing, extension of laboratory, internet and library facilities.

Non-teaching staff were given facility to undergo diploma / part time B.E. / part-time M.E./M.Tech. Courses and also specific skill oriented training courses.

Management honours teachers who excel in academic performance.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

Had made following important resolutions to be implemented during 2015-2016 . The status is indicated below:

- To upgrade the 10 Mbps Leased Line to 48 Mbps Leased Line.
  - It is effectively implemented.
- To provide wifi for the entire campus.
  - It is effectively implemented and used by the entire campus.
- To upgrade Computer and Information Technology Department with Smart Board.
  - It is effectively implemented and is used by the faculty.
- To implement security provision for the entire campus.
  - Around 25 CCTV cameras are installed and the work is in progress to increase the number of cameras.
- To fill vacancies of DMCE as per NBA/NAAC/AICTE standards. To approach UoM for conducting interviews and ratify ad-hoc faculty already recruited.
  - Interviews have been completed and qualified staff has been selected.

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?**

Yes, there is a provision by the affiliating university to grant the autonomy according to the status of the institution. DMCE is not planning to apply for the autonomy status.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

The institute has the following committees for addressing the grievances/complaints from students, teaching and non-teaching staff.

- **Local Managing Committee:**

Local Managing Committee functions to provide working mechanisms for participative management principle.

- **Anti-ragging Committee:**

Anti ragging instructions are displayed at prominent places in their areas of control.

In case of any incidence noticed, assessment of the incidence is made and necessary action to be taken is informed to the control cell immediately in given Performa.



- **Women's Grievance Redressal Cell:**

This cell ensures that student, faculty and staff are provided with current and comprehensive materials on harassment and assault.

- **Student Council:**

To promote the interests of students among the institute administration, staff and parents. To inform students about any subject that concerns them.

- **Complaint Box Redressal**

In case the person is unwilling to appear in self, grievances may be dropped in writing at the letterbox/ suggestion box of the Grievance Cell at administrative block.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

Nagar Yuwak Shikshan Sanstha, Airoli's Datta Meghe College of Engineering filed writ petition no. 4704 of 2015 in the Bombay High Court in favour of College. Against this AICTE & State of Maharashtra filed writ petition in Supreme Court. The numbers of which are 'Appeal Civil 14683/2015', 'SLP(C) No. 16246/2016', respectively. The status is pending.

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?**

Yes, the institution collects manual feedback at the end of every semester, from students, on institutional performance for the improvement and development of academic standard as well as various types of facilities.

Students provide their feedback on their subject teachers by answering some questionnaire's, working of the administrative office, facilities provided by the department, facilities provided by the institute and the working of the training and placement cell.

A non-teaching faculty and one supporting staff is assigned this activity and the HODs monitor the process.

HODs go through the departmental feedback and convey it to staff members. After discussion, decisions are taken for the improvement of individual performance.

Then the HOD submits the overall report to the head of the institute.



### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?**

The Institute is committed for professional development of faculty and non-teaching staff and always supports them for the following actions :

- Encouraging faculty to acquire qualification improvement programmes such as ME/MPhil/PhD.
- Attend and present research papers in National/ International conferences.
- Publish research papers in journals.
- Organize seminar, guest lecture for faculty members.
- Bring consultancy projects to the departments and work on them.
- Acquire funding through sponsored projects from different funding agencies.
- Bridge with industries & negotiate for MOUs with the institution for bring better interaction opportunities for student and faculty.
- Organize training for non-teaching staff to upgrade their skills and multitasking abilities.

#### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

- **Training:**

The HODs motivate their staff to improve their educational qualification such as ME/MPhil/Ph.D. Creating a good environment enables staff to make the best use of their capabilities and to realize their potential to the benefit of both the organization and themselves. The staff members are motivated to attend seminars, conferences, exchanging the research activities, orientation courses, and other training programs.

- **Retraining:**

Whenever there is a revision in syllabus or curriculum, or change in the faculty handling a subject, they are deputed to attend the orientation/refresher courses.

- **Motivation:**

The institute takes keen interest in conducting and organizing technical seminars, workshops. The institute establishes an environment in which the talents, creativity and energies of employees are unleashed.

The contributions by the faculty towards the growth of the institution is duly acknowledged by the management.

---



**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

**Self-appraisal:**

This is filled by each staff member every year about the activities they have been doing throughout the year and academic results of their students. As a result each staff member has the opportunity to convey what they have done and what they intend to do in the coming session.

The faculty will also highlight the goals set by their superiors (HOD/Principal) and also goals set by themselves so that they get an opportunity to bring out what was expected and what has been achieved.

**Student appraisal of faculty:**

The feedbacks received from the students at the end of each semester, helps in making a comprehensive appraisal of the faculty members.

**Contributions towards Research and Development:**

Appraisals are also taken into account regarding the achievement of faculty towards research and development works, conferences and seminars attended/conducted, and publication in national and international journals.

**Feedback from HOD/Principal:**

The appraisal by faculty includes feedback from HODs and Principal for contributions made by the faculty in departmental work and institute level work.

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

The management reviews the performance appraisal, gives suitable suggestions and remedial actions like regularizing the staff after probation period, deciding the regular increments and promotions are taken.

Low performing faculties are counseled by Head of the department and the Principal.

Suggestions are given to overcome shortcomings and mentors are assigned to guide and motivate the faculty to perform better. In extreme cases letters of non-performance are given.



Annual reports of the institute are read out at the Annual Prize Distribution Function and Convocation by the Principal, to appraise the stakeholders about the major research work and other contributions by the staff members.

**6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

Some of the welfare schemes available for teaching and non-teaching staff are listed below:

- Maternity Leave:  
The institute has a liberal leave policy for post maternal leave. Maternity leave is granted to all women faculty which can be up to maximum of three months. All eligible faculty members have been granted these privileges, incidentally 6% of Women faculty have availed this facility for last 4 years.
- Medical Leave/Casual Leave/Compensatory-Off facility: 100% of faculty avails this facility.
- Yearly 35 days vacation for teaching staff and 15 days of EL for non-vacation staff: 100% of faculty avails above facility.
- On-duty leave facility whenever faculty and staff travel on duty: Nearly 80% of faculty enjoys on-duty leave facility.
- Provident Fund as per rules: Available for all faculty.
- Gratuity on attainment of superannuation for teaching and non-teaching staff is available for all eligible staff.
- Incentives for publishing in high grade journals and books:  
On an average 5% of the faculty receives grants, incentives under this scheme.
- Travelling allowance and registration charges for attending conferences: Around 80% of faculty avails this facility each year.
- Additional increments/allowances after obtaining higher qualifications such as ME/MTech/MPhil/PhD: On obtaining ME/MTech/MPhil qualifications, faculty is promoted as Assistant Professor in Sixth Pay. Under this scheme 100% of faculty has been given Sixth Pay scale. For faculty obtaining PhD, additional increments/promotion to next grade are awarded. Under this scheme 5% of the faculty has benefitted by this facility.



### **6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

Measures taken to retain eminent faculty:

- Salaries are paid as per the AICTE and State Government norms
- Special benefits/increments for deserving candidates
- Providing an academic environment for teaching and research
- Creating opportunities for organizing or participating curricular, co-curricular, extracurricular or training and placement activity of interest
- Conducting annual appraisal, giving due recognition and awards for good performance
- making available a number of staff welfare schemes
- Freedom to pursue the higher education
- Financial incentives for research publications

### **6.4 Financial Management and Resource Mobilization**

#### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

Proper utilization of financial resources are planned at the beginning of every financial year. Finance department takes care of the collection of tuition fees, salary distribution, tax payment, loan distribution, preparing purchase orders for the laboratory equipment, teaching aids, furniture, and the facilities, payment of bills and maintaining the department budget allocation and expenditure etc. Every financial transaction is recorded. All procedures and dealings are computerized.

#### **6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

##### **Internal Financial Audit :**

Internal financial audit is the continuous process and is quarterly done by Accounts department of the Institute. The Accounting software, ‘Tally’ is used to manage the entries of day to day transactions.



---

### **External Financial Audit :**

Financial audits are conducted by the nominated chartered accountant at the end of every financial year.

There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order etc., and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of works.

No expenses are incurred without proper approval or sanction by the Head of the institution or HoDs of various departments.

#### **6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

The major source of institutional funding is tuition fees and the Fee reimbursed from the state government. The deficit is managed by the management through bank loans.

The audited income and expenditure statements and the reserve fund/corpus of the Institute shows the proof of it.

#### **6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

The institute made efforts to get AICTE funds, but didn't get it.

### **6.5 Internal Quality Assurance System (IQAS)**

#### **6.5.1 Internal Quality Assurance Cell (IQAC)**

##### **a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes. The Internal Quality Management System / Internal Quality Assurance Cell at DMCE is facilitated through **Institute Level- Quality Management Cell (IL-QMC)** which assesses and provides for improvement in the Academic Quality of all the Academic Programmes at DMCE.

**IL-QMC is headed by the Principal, with all the HODs as its members.** The Primary aim of the IL-QMC is to develop a system or actions /activities so as to improve the academic and



administrative performance of the institution. The mechanism and procedure of IL-QMC involves:

- Ensuring timely, efficient and progressive performance of academic activities and adherence of time schedule according to the Academic Calendar followed.
- Ensuring relevance and quality of academic and research programmes.
- Guiding the **DL QMC** towards following uniform standards of Quality across all Programmes.
- Optimization and integration of modern methods of teaching learning.
- The credibility of evaluation procedures.
- Ensuring the adequacy, maintenance and functioning of the support structure and services
- Collaborative Research and Development and networking with other institutions in India and abroad.
- Carrying out internal audit of teaching and learning process so as to facilitate the compliance of quality issues by all faculty members.
- Ensuring that the feedback assimilated from all the stake-holders at different junctures of time are utilized in improving the various systems and processes that are in place, with an aim to achieve our set goals and objectives.

Thus, the Internal Quality Assessment System has been constituted with an aim to achieve the following goals:

1. To develop a quality management system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the Institution
2. To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices

DMCE has been rigorously following all the Quality Management Processes in its true spirit and as a result of which we have been awarded the ISO: 9001-2008 certification

**b. How many decisions of the IQAC have been approved by the management authorities for implementation and how many of them were actually implemented?**

All of the decisions of IL-QMC has been approved and implemented by the management/authorities are as under:



- Formation of DL-QMC cell in every department with HOD as head for smooth implementation of quality policy and activities.
- Both internal and external staff development program and promoting pursuit of higher qualification through degrees and training programs.
- Institutional tie-ups through MoUs, joint research projects, etc.
- The reports regarding all the matters pertaining to quality assurance to given to the Principal.

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

IL-QMC has the external members from local industries and professional bodies. The external members actively participate, evaluate and advise DMCE regarding the effectiveness of measures taken for ensuring quality technical education as and when required.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

The institute has Alumni Forum intended to strengthen the stakeholder relationship, participate in decision making process. They also assists in placement activities as well as quality improvement of the students.

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

All the HODs are members of IL-QMC. The HOD creates DL-QMC which is headed with a senior faculty member from the department and is uniformly followed in all the other departments. All the faculty members and the students are directly/indirectly involved in the effective functioning of IL-QMC.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation.**

IL-QMC primarily monitors the conduction of regular theory and practical classes, lesson plans prepared by the faculties. It also checks course completion, delivery mechanism, curriculum transaction and conduct of internal assessments.

IL-QMC ensures that the departments are completing all the activities within the scheduled period mentioned in the academic calendar. The IAAC also ensures that the departments prepare



all the required academic and administrative documents before commencement of the classes and are properly notified on time and brought to the notice of all the concerns.

IL-QMC ensures that the departments are conducting the internal assessment, evaluating the scripts and are notifying the marks in the departmental notice boards.

IL-QMC overall monitors the various activities mentioned in the University Academic

Calendar and Institute Academic Calendar and ensures about their proper execution by the departments and concerned authorities and persons.

IL-QMC collects periodical reports from each department regarding the activities and performance of the departments.

IL-QMC ensures that whether the workloads of the departments are distributed proportionately amongst the teachers.

IL-QMC submits a Comprehensive Report in confidential regarding performance of the departments to the Principal of the Institute.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

From each department, each faculty gets a copy of IL-QMC document which makes him/her fully aware of quality policy at DMCE and updates him/her on the methods followed to achieve the goals of high quality.

They are encouraged to ask seniors and get clarifications to any doubts that may arise. With their participation over a period of time, they can also suggest improvements through changes that they feel will make the situation better.

Non-teaching staff members are oriented from time to time for effective time management, behavioural and psychosocial counselling for developing commitment and dedication towards the institute.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?**

Yes. The present practice of quality assurance has contributed to plan and execute the policies uniformly throughout the institute. IL-QMC plans and schedules both internal and external academic audits.

---



The Principal communicates in this regards during the regular meetings. The HODs also review the various academic activities during the weekly departmental meetings and guide the staff members accordingly.

Inspection and Auditing is done at periodical intervals.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in all aspects of institute operations with thrust on quality of teaching learning process.

The teaching Quality is monitored by the concerned HOD's, Dean and Principal. Based on their recommendations, the corrective and preventive actions are implemented.

Feedback from the stakeholders is collected and is used to ensure effective quality assurance.

IL-QMC mechanism is formulated using the guidelines of various quality assurance agencies like NAAC.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Dean (Academics) takes a regular review of teaching learning process by getting the feedback from every department in the form of 'Monthly Academic Progress Report'.

A review of academic progress is also taken by Principal from all HODs twice in every semester.

Periodically meetings are conducted with Class teachers, Class representatives and Faculty members to review the teaching and learning process.

Subject allocation is done as per the faculty specializations, willingness and experience.

Faculty is requested to prepare lesson plans, course file including personal notes and question bank before the commencement of the semester.

Attendance Register is maintained by each faculty which contains the students' attendance and performance in tests and syllabus completion status. This is reviewed monthly by the class teachers.

Teaching-learning process is reviewed in each semester for improved outcomes in internal & external exams, student' feedback, placements etc.



**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.**

Institute communicates its quality assurance policies, mechanisms and outcomes to the internal stakeholders, i.e. Students and Faculty through meetings, circulars and notices.

The external stakeholders, i.e. Parents, Alumni and Industries are informed through Institute website, brochures, etc., and also by means of interaction with parents, alumni and industries in the respective meetings.

The Principal also presents the annual report in prize distribution and convocation functions.

Also, these activities are highlighted and given publicity in news releases.



## Criterion VII: Innovations and Best Practices

The Institute has installed CFL/LED bulbs for conservation of energy at various places. The lush green area is well maintained. The Institute also plans to install Solar Energy systems. Rain water harvesting system has been installed at various points in our College. The institute has made numerous innovations for smooth functioning of teaching-learning process, examinations, evaluations, administration, research and development etc. The institute encourages and supports student's extracurricular activities at national and international level. All the departments have Students' professional bodies and chapters. Institute evaluates the student's performance on continuous basis.

### 7.1 Environment Consciousness

We are showing eagerness to introduce best practices that positively impact teaching, learning, administration as well as environmental and societal concerns. Keeping in step with the heightened global concerns on environmental impact of any organization, DMCE has introduced various green campus initiatives. In this broad and important area, introduction of the digital Initiative Program for exam section has reduced the use of paperwork considerably and this initiative thus saves the green cover by way of conservation of trees. It has also led to a decongested working area, free from massive paper records. It has also provided a platform for effective management at all levels owing to its unique features. Digital Initiative Program has also had a positive impact on the students and faculty alike and both communities are now finding more time to focus on the primary function of teaching and learning. The bulky paper records in exam cell are now replaced by digital storage. The institute library is also digitized to the extent possible.

#### 7.1.1 Does the Institute conducts a Green Audit of its campus and facilities?

DMCE adopts environment friendly practices and takes necessary actions such as: energy conservation, rain water harvesting, waste recycling, carbon neutrality, tree plantation, hazardous waste management, etc.



**7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?**

**Energy conservation:**

We have adopted the following measures:

- Adequate window area of classrooms to avoid the use of lighting in day time.
- Dedicated staff for manual checks to switch off ACs, lights, fans and equipments when not in use.



**Water Harvesting:**

We have adopted the following measures:

- The institute is surrounded by gardens that need adequate water nourishment. The drain from the roof tops also finds a way to green areas and this reduces the watering requirements of gardens and tree areas.

**Efforts for carbon neutrality:**

Our efforts towards carbon neutrality are listed below:

- Adequate sunlight influx during daytime from wide area windows on all sides of the building. All class rooms, labs, utility area, seminar administrative areas are lighted with LED lights for power saving.
- Considerable part of the college premises is covered with plants and trees. Thus comfortable with carbon neutrality issue.



**Plantation:**

Tree plantation initiative was taken up by the Institute in 2014-15.

**Hazardous waste management:**

The chemical laboratory is well equipped to manage the waste and has well approved procedures for chemical storage and disposal.

**E-waste management:**

We are using LCD based monitors to reduce the effect of e-waste. The old equipment has been phased out long back. We donate old non-working e-waste to reputed disposal vendors.

## 7.2 Innovations

### 7.2.1

Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Some of the salient innovations in recent times are:

- Introduction of on-line student exam form submission.
- Introduction of on-line marklist submission by teachers.
- Stepping up the student/parent interaction for counseling and keeping records for the same.



- Encouraging higher learning for both students (extra and expert lectures) and teaching staff (sponsorship to conferences, workshops and skill and qualification enhancement programs).
- Use of high technology aids in teaching (ICT enabled classrooms, web-based seminars, NPTEL courses, etc.)
- Yearly intercollegiate technical fest- TECHFEST is organized for the students where in students compete in live project and model making. This process inculcates a sense of competitiveness and innovation amongst the students.
- Institute encourages UG and PG students for project/dissertation having Innovative approach.
- Two teams of students have been selected for HACKTHON -2017.





### 7.3 Best Practices

**7.3.1** Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

#### Continuous Assessment by way of Tests, practicals and tutorials.

##### BEST PRACTICE:

- Title: Continuous Assessment by way of Tests, practicals and tutorials.
- Goal: The Institute objective of producing good students with technical excellence, economical and social responsibilities is fulfilled by enhancing and imparting technical, social responsibilities in more and more number of students with this effort of practice.
- The Practice: By continuous assessment Students are scaled and weaker students are called for remedial lectures.
- Evidence of success: Can be assessed by their performance which increases with this practice.



---

### **3. EVALUATIVE REPORT OF THE DEPARTMENTS**



### **Department of Electronics Engineering**

**1. Name of the department:** Department of Electronics Engineering

**2. Year of Establishment**

B.E. (Electronics Engineering )	1988
M.E. (Electronics & Telecommunication Engineering)	2011

**3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D. etc.)**

Sr.No	Courses Offered	Sanctioned Intake	No. of Students
1	B.E. (Electronics)	120	404
2.	M.E. (Electronics & Telecommunication)	18	19

Year	Sanctioned intake	Total Students	FE	SE	TE	BE	M.S.	OMS
2016-17	120	404	70	114	99	121	404	0
2015-16	120	500	84	116	143	157	500	0
2014-15	120	561	78	153	169	161	561	0
2013-14	120	509	113	155	123	118	509	0

2014-15	Intake	Admitted	M	F	Open	SC	ST	DT/NT	OBC	SBC
FE	120	115	83	32	74	11	2	0	16	3
SE	120	152	94	58	83	18	5	12	29	5
TE	120	168	116	52	95	18	2	17	32	4
BE	120	159	105	54	94	18	2	15	27	3



**DATTA MEGHE COLLEGE OF ENGINEERING**  
**AIROLI, NAVI MUMBAI**

NAAC SSR

<b>2015-16</b>	<b>Intake</b>	<b>Admitted</b>	<b>M</b>	<b>F</b>	<b>Open</b>	<b>SC</b>	<b>ST</b>	<b>DT/NT</b>	<b>OBC</b>	<b>SBC</b>
FE	120	84	58	25	40	12	2	1	15	3
SE	120	116	88	28	63	13	0	5	26	3
TE	120	143	91	52	61	20	5	6	26	5
BE	120	156	108	48	87	15	5	9	31	9

<b>2016-17</b>	<b>Intake</b>	<b>Admitted</b>	<b>M</b>	<b>F</b>	<b>Open</b>	<b>SC</b>	<b>ST</b>	<b>DT/NT</b>	<b>OBC</b>	<b>SBC</b>
FE	120	70	45	25	47	11	1	1	6	4
SE	120	114	84	30	70	19	0	0	23	2
TE	120	99	74	25	59	8	2	5	23	2
BE	120	121	76	45	69	16	2	8	23	3

<b>2013-14</b>	<b>Intake</b>	<b>Admitted</b>	<b>M</b>	<b>F</b>	<b>Open</b>	<b>SC</b>	<b>ST</b>	<b>DT/NT</b>	<b>OBC</b>	<b>SBC</b>
FE	120	113	63	50	54	13	5	8	19	4
SE	120	114	84	30	82	20	4	2	32	4
TE	120	123	85	38	78	13	0	2	30	5
BE	120	121	58	60	73	20	3	8	23	3

<b>Year</b>	<b>Sanctioned intake</b>	<b>Total Students</b>	<b>M.E.-I</b>	<b>M.E. -II</b>	<b>MS</b>	<b>OMS</b>
2016-17	18	12	5	7	12	0
2015-16	18	35	18	17	35	0
2014-15	18	24	7	17	24	0
2013-14	18	36	18	18	36	0



**4. Names of Interdisciplinary courses and the departments/units involved**

The department participates in the activity of sharing the subjects with other departments. The core and allied subjects of electronics engineering which are parts of the other departments are taken. These subjects are listed below

Department Involved	Name of the Course
Humanities & Sciences	Basic Electrical Engineering
	Structured Programming Approach
Mechanical Engineering	Industrial Electronics

Subject	Teaching load	Department
Basic Electrical Engineering	100 Hours	FE
Structured Programming Approach	70 Hours	F.E.
Industrial Electronics	22 Hours	Mechanical Engineering

**5. Annual/ semester/choice based credit system (programme wise)**

The department implements the credit based grading system for teaching enforced by University of Mumbai since 2012. The detailed scheme of teaching is given in the Annexure:

**6. Participation of the department in the courses offered by other departments**

The department participates in the activity of sharing the subjects with other departments. The core and allied subjects of electronics engineering which is part of the other departments are taken. These subjects are listed below

Department Involved	Name of the Course
Science and Humanities	Basic Electrical Engineering
	Structured Programming Approach
Mechanical Engineering	Industrial Electronics

Subject	Teaching load	Department
Basic Electrical Engineering	100 Hours	FE
Structured Programming Approach	70 Hours	F.E.
Industrial Electronics	22 Hours	Mechanical Engineering

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.**  
NIL



- 
8. **Details of courses/programmes discontinued (if any) with reasons**  
NIL  
9. **Number of teaching posts**

<b>Name of the Position</b>	<b>Sanctioned</b>	<b>Filled</b>
Professors	4	1
Associate Professors	6	0
Asst. Professors	25	34

<b>Year</b>	<b>Professors</b>		<b>Associate Professors</b>		<b>Assistant Professors</b>	
	<b>Required</b>	<b>Filled</b>	<b>Required</b>	<b>Filled</b>	<b>Required</b>	<b>Filled</b>
2016-17	4	1	6	0	25	34
2015-16	4	1	6	0	25	34
2014-15	4	1	6	0	25	32



10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.  
/Ph.D. / M. Phil. etc.)

Sr. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. Pete Dnyandeo Jageshwar	Ph.D. Electrical 2012	Professor & HOD	Ph.D. Electrical 2012	21 years	--
2	Mr. Kurhekare Anil Sudhakar	M.E.(Electronics) 1996 (Ph.D. Pursuing)	Asst. Professor	M.E.(Electronics) 1996 (Ph.D. Pursuing)	27.5 years	--
3	Mr. Jajoo Suresh Ramvilas	M.Tech.((Integrated Power Sys) 1999	Asst. Professor	M.Tech.((Integrated Power Sys) 1999	23 years	--
4	Mr. Vaidya Namdeo Bapuraoji.	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	Asst. Professor	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	19 years	--
5	Mr. Lohiya Govindkumar Balkisan	M.E.(Electronics) 1996	Asst. Professor	M.E.(Electronics) 1996	20 years	--
6	Mr. Jadhav Venkat Kondiba	M.Tech. (Elex. & Tel.) 2008	Asst. Professor	M.Tech. (Elex. & Tel.) 2008	19 years	--
7	Mr. Patil Sanjay Madhukarrao	M.E. Elex. (Specialization in Comp. Tech.) 2007 (Ph.D. Pursuing)	Asst. Professor	M.E. Elex. (Specialization in Comp. Tech.) 2007 (Ph.D. Pursuing)	23.5 years	--
8	Mr. Wankhede Prashant Shriram	M.E. (Electronics) 2004 (Ph.D. Pursuing)	Asst. Professor	M.E. (Electronics) 2004 (Ph.D. Pursuing)	21.5 years	--



9	Mrs. Vaidya Sanjiwani Namdeo	M.E. Elex. & Tel. 2014	Asst. Professor	M.E. Elex. & Tel. 2014	18.5 years	--
10	Mr. Londhe Anil Satyadeo	M.E.(Electron ics) 2012	Asst. Professor	M.E.(Electro nics) 2012	14 years	--
11	Mrs. Nirmal Asmita Jagannath	M.E.(Elex. & Tel.) 2011	Asst. Professor	M.E.(Elex. & Tel.) 2011	14 years	--
12	Mrs. Pacharney Utkarsha Sumedh	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	Asst. Professor	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	13 years	--
13	Mrs. Bhaskarwar Roshani Vinod	M.E. (Elex. & Tel.) 2011	Asst. Professor	M.E. (Elex. & Tel.) 2011	13 years	--
14	Mrs. Jain Preeti Nitin	M.E. (Electronics) 2012 (Ph.D. Pursuing)	Asst. Professor	M.E. (Electronics) 2012 (Ph.D. Pursuing)	10.5 years	--
15	Mrs. Mithbavkar Shraddha Atul	M.E.Electroni cs2012	Asst. Professor	M.E.Electron ics2012	10.5 years	--
16	Mr. Bobade Satish Bapuraoji	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex. & Tele.	25 years	--
17	Mrs. Shukla Dhanashree Pratik	M.E. Elex. & Tel. 2014	Asst. Professor	M.E. Elex. & Tel. 2014	4 years	--
18	Mr. P. Susheelkumar S.	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.	5 years	--
19	Mr. Adokar Ramesh Viththal	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.	27 years	--
20	Mr. Chaudhari Girish Natthuji	M.Tech (Energy Tech)	Asst. Professor	M.Tech (Energy Tech)	26 years	--
21	Mr. Nandwalkar Jayant Ramesh	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.	18 years	--
22	Ms. Chavan Rupali Sanjay	M.E. Elex. & Tele.	Asst. Professor	M.E. Elex.& Tele.	11 years	--



23	Ms. Patil Pratiksha Baban	M.E. Elex. & Tel. 2014	Asst. Professor	M.E. Elex. & Tel. 2014	6 years	--
24	Mrs. Sawale Pallavi Abhijeet	M.E. Elex.& tele.	Asst. Professor	M.E. Elex.& tele.	7 years	--
25	Ms. Zope Monika Vishvanath	M.E. Elex. D.S. 2012	Asst. Professor	M.E. Elex. D.S. 2012	3 years	--
26	Mrs. Phatak Tejashree. S.	M.E. Elex. & Tele.	Asst. Professor	M.E. Elex.& Tele.	6 months	--
27	Mrs. Baviskar Poonam Lalit	M.E. Elex. & Tele. 2014	Asst. Professor	M.E. Elex.& Tele. 2014	1 year & 6 months	--
28	Mrs. Raut Amrita Sudhir	M.E. Elex.& Tele. 2014	Asst. Professor	M.E. Elex.& Tele. 2014	6 years	--
29	Mrs. Kavitake Geeta Satish	M.E. Electronics 2015	Asst. Professor	M.E. Electronics 2015	3 years	--
30	Ms. Dhande Bhagyashri Pitambar	M.E. Elex.& Tele. 2015	Asst. Professor	M.E. Elex.& Tele. 2015	2 years & 6 months	--
31	Ms. Deshmukh Sonali Vikasrao	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele. 2015	1 year	--
32	Mrs. Bamnote Ruchika	M.E.(VLSI& Embedded)	Asst. Professor	M.E.(VLSI& Embedded)	6 months	--
33	Ms. Randhwane Prajakta Dilip	M.E.(VLSI& Embedded)	Asst. Professor	M.E.(VLSI& Embedded)	2 years & 9 months	--
34	Mr. Shaikh Saad Ahmed	M.Tech. Elex.& Tele.	Asst. Professor	M.Tech. Elex.& Tele.	2 years & 6 months	--
35	Mr. Ekbote Sameer Vilas	M.E.(Electrica l Engg.) 2000	Asst. Prof &T & P Officer	M.E.(Electric al Engg.) 2000	25 years	--



**11. List of senior visiting faculty**

At present, the department has all required full time faculty as per AICTE to teach the subjects, hence no requirement of visiting faculty.

**12. Percentage of lectures delivered and practical classes handled (programme wise)  
By temporary faculty**

Sr.No.	Year	No. of Temporary Faculty	Load shared by temporary faculty
1.	2016-17-I	11	$180/443 = 40.63\%$
2.	2016-17-II	11	$***/402$
3.	2015-16-I	10	$160/440 = 36.36\%$
4.	2015-16-II	06	$70/474 = 14.76\%$
5.	2014-15-I	14	$220/410 = 53.65\%$
6.	2014-15-II	14	$184/384 = 47.91\%$
7.	2013-14-I	14	$248/452 = 54.86\%$
8.	2013-14-II	09	$144/400 = 36\%$

**13. Student -Teacher Ratio (programme wise)**

Sr.No.	Programme	Student -Teacher Ratio
1.	B.E.(Electronics)	15:1
2.	M.E.(Electronics&Telecommunication)	12:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Sr.No.	Academic support staff (Technical)	Administrative Staff	Sanctioned	Filled
1.	--	Clerk	01	01
2.	Instructors	--	01	01
3.	Laboratory Technician/Assistants	--	03	03
4.	Laboratory attendants	--	03	03
5.	Naik	--	01	01



<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>	<b>Date of Birth</b>	<b>Date of Joining Institute</b>
1	Mr. Lunge Baban Tulsiram	Asst.Instructor	I.T.I.	04.06.1962	12.02.1992
2	Mr. Patil Sanjay Bhadu	Sr. Lab.Technician	D.I.E.	03.09.1968	17.07.1993
3	Mrs. Ghangale Jyostna Laxman	Sr. Lab.Technician	D.I.E.	19.12.1967	19.07.1993
4	Mr. Patil Nagraj Kisan	Sr. Lab.Asstt.	B.Sc.	01.06.1969	14.12.1993
5	Mr. Thakre Vinod Manikrao	Sr. clerk	H.S.C. / I.T.I	06.08.1970	01.08.2015
6	Mr. Awsarmol Bhimrao Lingu	Lab.Attndt.	H.S.C.	01.02.1967	10.01.1996
7	Mr. Shaikh Salim Zahir	Naik	II	06.11.1965	01.09.1989
8	Mr. Lal Dineshkumar Sittan	Lab.Attndt.	S.S.C.	09.10.1961	01.12.1995
9	Mr.Mali Shekhar S.	Lab.Attndt.	S.S.C.	14.02.1976	01.01.2016

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

<b>Sr.No.</b>	<b>Academic Year</b>	<b>Qualification with Ph.D.</b>	<b>Qualification with M.E.</b>
1.	2016-17	01	34
2.	2015-16	01	34
3.	2014-15	01	34
4.	2013-14	01	34



<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>
Dr. Pete Dnyandeo Jageshwar	Ph.D. Electrical 2012	Professor & HOD	Ph.D. Electrical 2012
Mr. Kurhekar Anil Sudhakar	M.E.(Electronics) 1996 (Ph.D. Pursuing)	Asst. Professor	M.E.(Electronics) 1996 (Ph.D. Pursuing)
Mr. Jajoo Suresh Ramvilas	M. Tech.((Integrated Power Sys) 1999	Asst. Professor	M. Tech.((Integrated Power Sys) 1999
Mr. Vaidya Namdeo Bapuraoji.	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	Asst. Professor	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)
Mr. Lohiya Govindkumar Balkisan	M.E.(Electronics) 1996	Asst. Professor	M.E.(Electronics) 1996
Mr. Jadhav Venkat Kondiba	M.Tech. ( Elex. & Tel.) 2008	Asst. Professor	M.Tech. (Elex. & Tel.) 2008
Mr. Patil Sanjay Madhukarrao	M.E. Elex. (Specialization in Comp. Tech.) 2007 (Ph.D. Pursuing)	Asst. Professor	M.E. Elex. (Specialization in Comp. Tech.) 2007 (Ph.D. Pursuing)
Mr. Wankhede Prashant Shriram	M.E. (Electronics) 2004 (Ph.D. Pursuing)	Asst. Professor	M.E. (Electronics) 2004 (Ph.D. Pursuing)
Mrs. Vaidya Sanjiwani Namdeo	M.E. Elex. & Tel. 2014	Asst. Professor	M.E. Elex. & Tel. 2014
Mr. Londhe Anil Satyadeo	M.E.(Electronics) 2012	Asst. Professor	M.E.(Electronics) 2012
Mrs. Nirmal Asmita Jagannath	M.E.(Elex. & Tel.) 2011	Asst. Professor	M.E.(Elex. & Tel.) 2011
Mrs. Pacharney Utkarsha Sumedh	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	Asst. Professor	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)
Mrs. Bhaskarwar Roshani Vinod	M.E. (Elex. & Tel.) 2011	Asst. Professor	M.E. (Elex. & Tel.) 2011
Mrs. Jain Preeti Nitin	M.E. (Electronics) 2012 (Ph.D. Pursuing)	Asst. Professor	M.E. (Electronics) 2012 (Ph.D. Pursuing)



Mrs. Mithbavkar Shraddha Atul	M.E.Electronics2012	Asst. Professor	M.E.Electronics2012
Mr. Bobade Satish Bapuraoji	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.
Mrs. Shukla Dhanashree Pratik	M.E. Elex. & Tel. 2014	Asst. Professor	M.E. Elex. & Tel. 2014
Mr. P. Susheelkumar S.	M.E. Elex. & Tele.	Asst. Professor	M.E. Elex.& Tele.
Mr. Adokar Ramesh Vitthal	M.E. Elex. & Tele.	Asst. Professor	M.E. Elex.& Tele.
Mr. Chaudhari Girish Natthuji	M.Tech (Energy Tech)	Asst. Professor	M.Tech (Energy Tech)
Mr. Nandwalkar Jayant Ramesh	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.
Ms. Chavan Rupali Sanjay	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.
Ms. Patil Pratiksha Baban	M.E. Elex. & Tel. 2014	Asst. Professor	M.E. Elex. & Tel. 2014
Mrs.Sawale Pallavi Abhijeet	M.E. Elex. & tele.	Asst. Professor	M.E. Elex.& tele.
Ms. Zope Monika Vishvanath	M.E. Elex. D.S. 2012	Asst. Professor	M.E. Elex. D.S. 2012
Mrs. Phatak Tejashree S.	M.E. Elex.& Tele.	Asst. Professor	M.E. Elex.& Tele.
Mrs. Baviskar Poonam Lalit	M.E. Elex.& Tele. 2014	Asst. Professor	M.E. Elex.& Tele. 2014
Mrs. Raut Amrita Sudhir	M.E. Elex.& Tele. 2014	Asst. Professor	M.E. Elex.& Tele. 2014
Mrs.Kavitake Geeta Satish	M.E. Electronics 2015	Asst. Professor	M.E. Electronics 2015



Ms.Dhande Bhagyashri Pitambar	M.E. Elex. & Tele. 2015	Asst. Professor	M.E. Elex.& Tele. 2015
Ms. Deshmukh Sonali Vikasrao	M.E. Elex. & Tele. 2015	Asst. Professor	M.E. Elex.& Tele. 2015
Mrs. Bamnote Ruchika	M.E.(VLSI& Embedded)	Asst. Professor	M.E.(VLSI& Embedded)
Ms. Randhwane Prajakta Dilip	M.E.(VLSI& Embedded)	Asst. Professor	M.E.(VLSI& Embedded)
Mr. Shaikh Saad Ahmed	M.Tech. Elex. & Tele. 2015	Asst. Professor	M.Tech. Elex.& Tele. 2015
Mr. Ekbote Sameer Vilas	M.E.(Electrical Engg.) 2000	Asst. Prof &T & P Officer	M.E.(Electrical Engg.) 2000

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received**

NIL

- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

NIL

- 18. Research Centre /facility recognized by the University**  
Applied for Ph.D. Research Centre from A.Y. 2017-18

**19. Publications:**

- \* a) Publication per faculty
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs



- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

Publications per faculty are listed below

Name	Qualification	Designation	Specialization	Number Of Research Publications in Journals and Conferences since Joining	STTP attended (weeks)
Dr. Pete Dnyandeo Jageshwar	Ph.D. Electrical 2012	Professor & HOD	Ph.D. Electrical 2012	29	08
Mr. Kurhekhar Anil Sudhakar	M.E.(Electronics) 1996 (Ph.D. Pursuing)	Asst. Professor	M.E.(Electronics) 1996 (Ph.D. Pursuing)	7	--
Mr. Jajoo Suresh Ramvilas	M.Tech.((Integrated Power Sys) 1999	Asst. Professor	M.Tech.((Integrated Power Sys) 1999	16	--



Mr. Vaidya Namdeo Bapuraoji	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	Asst . Prof esso r	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	02	--
Mr. Lohiya Govindkumar Balkisan	M.E.(Electronics) 1996	Asst . Prof esso r	M.E.(Electronics ) 1996	01	--
Mr. Jadhav Venkat Kondiba	M.Tech. ( Elex. & Tel.) 2008	Asst . Prof esso r	M.Tech. ( Elex. & Tel.) 2008	07	--
Mr. Patil Sanjay Madhukarrao	M.E. Elex. (Specialization in Comp. Tech.) 2007 (Ph.D. Pursuing)	Asst . Prof esso r	M.E. Elex. (Specialization in Comp. Tech.) 2007 (Ph.D. Pursuing)	20	10
Mr. Wankhede Prashant Shriram	M.E. (Electronics) 2004 (Ph.D. Pursuing)	Asst . Prof esso r	M.E. (Electronics) 2004 (Ph.D. Pursuing)	01	--
Mrs. Vaidya Sanjivani Namdeo	M.E. Elex. & Tel. 2014	Asst . Prof esso r	M.E. Elex. & Tel. 2014	06	--
Mr. Londhe Anil Satyadeo	M.E.(Electronics) 2012	Asst . Prof esso r	M.E.(Electronics ) 2012	02	--
Mrs. Nirmal Asmita Jagannath	M.E.(Elex. & Tel.) 2011	Asst . Prof esso r	M.E.(Elex. & Tel.) 2011	05	--



**DATTA MEGHE COLLEGE OF ENGINEERING**  
**AIROLI, NAVI MUMBAI**

NAAC SSR

Mrs. Pacharney Utkarsha Sumedh	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	Asst . Prof esso r	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	17	04
Mrs. Bhaskarwar Roshani Vinod	M.E. (Elex. & Tel.) 2011	Asst . Prof esso r	M.E. (Elex. & Tel.) 2011	15	--
Mrs. Jain Preeti Nitin	M.E. (Electroni cs) 2012 (Ph.D. Pursuing)	Asst . Prof esso r	M.E. (Electronics) 2012 (Ph.D. Pursuing)	04	--
Mrs. Mithbavkar Shraddha Atul	M.E.Electr onics2012	Asst . Prof esso r	M.E.Electronics2 012	04	--
Mr. Bobade Satish Bapuraoji	M.E. Elex.& Tele.	Asst . Prof esso r	M.E. Elex.& Tele.	02	16
Mrs. Shukla Dhanashree Pratik	M.E. Elex. & Tel. 2014	Asst . Prof esso r	M.E. Elex. & Tel. 2014	03	--
Mr. P. Susheelkumar S.	M.E. Elex.& Tele.	Asst . Prof esso r	M.E. Elex.& Tele.	01	--
Mr. Adokar Ramesh Vitthal	M.E. Elex.& Tele.	Asst . Prof esso r	M.E. Elex.& Tele.	02	16
Mr. Chaudhari Girish Natthuji	M.Tech (Energy Tech)	Asst Prof esso r	M.Tech (Energy Tech)	04	18



Mr. Nandwalkar Jayant Ramesh	M.E. Elex.& Tele.	Asst . Prof esso r	M.E. Elex.& Tele.	07	16
Ms. Chavan Rupali Sanjay	M.E. Elex.& Tele.	Asst . Prof esso r	M.E. Elex.& Tele.	02	03
Ms. Patil Pratiksha Baban	M.E. Elex. & Tel. 2014	Asst . Prof esso r	M.E. Elex. & Tel. 2014	03	--
Mrs. Sawale Pallavi Abhijeet	M.E. Elex.& tele.	Asst . Prof esso r	M.E. Elex.& tele.	03	--
Ms. Zope Monika Vishvanath	M.E. Elex. D.S. 2012	Asst . Prof esso r	M.E. Elex. D.S. 2012	--	--
Mrs. Phatak Tejashree S.	M.E. Elex.& Tele. 2013	Asst . Prof esso r	M.E. Elex.& Tele. 2013	--	--
Mrs. Baviskar Poonam Lalit	M.E. Elex.& Tele. 2014	Asst . Prof esso r	M.E. Elex.& Tele. 2014	07	--
Mrs. Raut Amrita Sudhir	M.E. Elex.& Tele. 2014	Asst . Prof esso r	M.E. Elex.& Tele. 2014	03	--
Mrs. Kavitake Geeta Satish	M.E. Electronics 2015	Asst Prof esso r	M.E. Electronics 2015	03	--



Ms. Dhande Bhagyashri Pitambar	M.E. Elex.& Tele. 2015	Asst . Prof esso r	M.E. Elex.& Tele. 2015	01	--
Ms. Deshmukh Sonali Vikasrao	M.E. Elex.& Tele. 2015	Asst . Prof esso r	M.E. Elex.& Tele. 2015	--	--
Mrs. Bamnote Ruchika	M.E.(VLSI & Embedded) 2015	Asst . Prof esso r	M.E.(VLSI& Embedded)2015	--	--
Ms. Randhwane Prajakta Dilip	M.E.(VLSI & Embedded) 2015	Asst . Prof esso r	M.E.(VLSI& Embedded)2015	--	--
Mr. Shaikh Saad Ahmed	M.Tech. Elex.& Tele. 2015	Asst . Prof esso r	M.Tech. Elex.& Tele. 2015	--	--
Mr. Ekbote Sameer Vilas	M.E.(Electr ical Engg.) 2000	Asst . Prof &T & P Offi cer	M.E.(Electrical Engg.) 2000	--	--



**Year 2014-15**

<b>Project Guide</b>	<b>Name of The Student</b>	<b>Paper Title</b>	<b>Conference National /International</b>
Mrs S N Vaidya	Swati Balla Gaurav Deshmukh Chaitrali Deshmukh Nirmal Raghwa	RF-ID Bio-Capsule	International Conference on Electronics and Computing Technologies. Held at K C College of Engg. Thane. 12 & 13 March 2015.
Mrs.A. J.Nirmal	Rahul Badgujar Sayali Bagave Shalvi baswant Vishal mhasagar	”Speaker Identification using Artificial Neural Network”	International Conference on Electronics and Computing Technology, K.C. College of Engineering, Thane, 12-13 <sup>th</sup> March 2015
Mrs R.V.Bhaskarwar	Shrikant Deshmukh Navodit Pawar Vaibhav Salvi Vishal Saruk	Adhoc Network for Landslide and forest Fire Detection	International Conference on Electronics and Computing Technology, K.C. College of Engineering, Thane, 12-13 <sup>th</sup> March 2015
Mrs.P.N.Jain	1.Shaila Kabugade 2.Poonam Kambali 3.Deepali Kavade 4.Sayli Khamkar	Control of Remote Microscope Over the Internet Using Micromanager	Technical Paper Presentation in Technitude under IEEE DMCE ,Airoli



Mrs.S.Mithabavkar	Komal,Gayatri,Ishwar, Omkar	Android RFID smart bag	Winner in project competition organized by IEEE DMCE 2015
Mrs.S.Mithabavkar	Bikram, Sandesh, Vaibhav, Dhanajay	Web controlled Automobile	Participate in project competition organized by IEEE DMCE 2015

**Year 15-16**

<b>Project Guide</b>	<b>Name of The Student</b>	<b>Paper Title</b>	<b>Conference National /International</b>
Mr N B Vaidya	Varsha Jagadale Rahul Manerikar Ketaki Kadam Dhanashree choudhari	Voice command Based Wheelchair for Physically challenged	National Conference on Advanced Trends in Engineering held at Datta Meghe College of Engg. Airoli on 12 & 13 March 2016.
Mr.S.R.Jajoo	Mehak Pandita Priyanka Oza Priyanka Padwal Abhishek Rajderkar	Solar Energy Optimisation by Precision Tracking	National Conference on Advanced Trends in Engineering .12 March- 2016, Datta Meghe College of Engineering, Airoli, Navi Mumbai
Mr.S.R.Jajoo	Giridhar Shenoy Amrita Shetye Prachi Patil	Dot Matrix Using Arduino	National Conference on Advanced Trends in Engineering .12 March- 2016, Datta Meghe College of Engineering, Airoli, Navi Mumbai
Mrs S N Vaidya	Totre Vishwas Tatkare Ashutosh	Fuel Less Eco Car	National Conference on Advanced Trends in Engineering held at Datta



	Tiwari Karan Thite Amol		Meghe College of Engg. Airoli on 12 & 13 March 2016.
Mr.S.M.Patil	Anusha Bhamidipti Aljo Cheeran Dhawal Dabholkar Sarvesh Pimpalkar	Vision Based Waste Segregation System Using Image Processing	National Conference DMCE 12th-13th March 2016.
Mr.S.M.Patil	Pranay Sharma Akshay Rane Vishnu Menon Parimal Patel	Visual concept Detection of Images	National Conference DMCE 12th-13th March 2016.
Mr.S.M.Patil	Mahesh Garle Trupti Loke Ajinkya Mhatre Jyoti Wayal	Comparison of Features for Object Recognition in Image Retrieval	National Conference DMCE 12th-13th March 2016.
Mrs.A. J.Nirmal	Devyani Mirajkar Aditi dDshpande Gaurang Bhandare Tejas Chavan	Signaling System with Safty Mechanism and Train Tracking”	National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13 <sup>th</sup> March 2016
Mrs.A. J.Nirmal	Akshay katkar Neetika Kedar Sahil kolwankar Sneha Naik	”Wireless Control of Powered Wheelchair with Tongue Motion using Tongue Drive Assistive”	National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13 <sup>th</sup> March 2016



Mrs R.V.Bhaskarwar	Pratik Shetty Charanraj Shetty Jitendra Sawant Anurag Chavn Anamol Jadhav	GSM based Circuit Breaker	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Mrs R.V.Bhaskarwar	Sushil Kanojiya Mitesh Gohel Hitesh Ingale Shwetambari Pawar	Automatic Meter Reading & Load Management using PLCC	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Mrs R.V.Bhaskarwar	Aditya Sawant Divya Pawar Prakash Salve Rucha Vaidya	Power Harvesting using Solar Piezo & door motion	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Mr.A.S.Londhe	Vishal Bapat Mrunmayee Deshpande Nikita Chavan Pranav Kulkarni	Microcontroller Based Gamma Radiation Monitoring System	Awarded as one of the best papers in National Conference organised by ISTE-DMCE, Student Chapter & Electronics Engineering Department held during 12 <sup>th</sup> - 13 <sup>th</sup> March 2016
Mr.A.S.Londhe	Attarde Bhagyashree Diwate Shiwani Ramaraj Gayathri More Shweta	Batteryless Mobile	Second prize in project poster competition organised by ISTE-DMCE held on 1 <sup>st</sup> April 2016. Participated in National Level Project Exhibition organised by RAIT, Navi Mumbai held on 18 <sup>th</sup>



			March 2016. Participated in International Conference organised by Dilkap COE, Neral.
Mr.A.S.Londhe	SaldurL Payal Sarang Manasi Singh Pramodkumar Tripathi Pavan	Touchscreen ROBOT	Participated in National Conference organised by ISTE-DMCE, Student Chapter & Electronics Engineering Department held during 12 <sup>th</sup> - 13 <sup>th</sup> March 2016 Participated in project poster competition organised by ISTE-DMCE held on 1 <sup>st</sup> April 2016
U. S Pacharaney	Deepak Jain, Chitan Limbani Sunil Poojary Ajaykumar Yadav	Smart Portable Device for Students Profile Management and Attendance System	National conference on advanced trend in engineering,ISTE- DMCE,2016.
Mrs.P.N.Jain	Akshay Nichinte Rahul Shinde Prathamesh Gaikwad Avinash Patil	Wireless Health Monitoring and Control of Solar Panel	National Conference on Advance Trends In Engineering.Airoli
Mrs.P.N.Jain	Swati Prabhu Shweta Rajguru Rupali Salvi Kavita Shingade	Mobile Phone Charging on Coin Insertion	National Conference on Advance Trends In Engineering.Airoli



Mrs.S.A.Mithabavkar	Prachi, Shital, Trupti, Shrutiika,	OLED based real time vision system	National conference on advanced trend in engineering, ISTE-DMCE, 2016. National level Project competition organized by D.Y.Patil
Mrs.S.A.Mithabavkar	Khushbu, Monika, Sushma	Modern Library	National conference on advanced trend in engineering, ISTE-DMCE, 2016.
Ms.P.B.Patil	Yogesh Ingale Sushil Jadhav Annappa Jamadar Ashish Jamdade	Object Sorting Machine Using Mechatronics	International conference on emerging trends of Technology, DRIE, Neral 17 <sup>th</sup> -18 <sup>th</sup> March 2016
Ms.P.B.Patil	Sunil Jadhav Nikhil Nemade Prakash Ponde Nitin Thokal	Smart Shoes For Blind	National conference on advanced trend in engineering, ISTE-DMCE, 2016.

**20. Areas of consultancy and income generated**  
----NIL----

**21. Faculty as members in**

**a) National committees b) International Committees c) Editorial Boards....**



The departmental faculties have also been active and are the members of national, international committees and editorial boards. The list of the faculty members on the committees/boards have been attached in a separate annexure

Name	Qualification	Designation	Specialization	National committees	International Committees	Editorial Boards
Dr. Pete Dnyandeo Jageshwar	Ph.D. Electrical 2012	Professor & HOD	Ph.D. Electrical 2012	ISTE..	--	--
Mr. Kurhekar Anil Sudhakar	M.E.(Electronics) 1996 (Ph.D. Pursuing)	Asst. Professor	M.E.(Electronics) 1996 (Ph.D. Pursuing)	Institution of Engineers (India). Advance Computing Society of India	--	IEEE TMECH journal
Mr. Jajoo Suresh Ramvilas	M.Tech.((Integrated Power Sys) 1999	Asst. Professor	M.Tech.((Integrated Power Sys) 1999	Institution of Engineers (India). Member, National Executive Council, ISTE, New Delhi	--	--
Mr. Vaidya Namdeo Bapuraoji.	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	Asst. Professor	M.Tech(Power Elex.) 1996 (Ph.D. Pursuing)	ISTE.	--	--
Mr. Lohiya Govindkumar Balkisan	M.E.(Electronics) 1996	Asst. Professor	M.E.(Electronics) 1996	IEEE	--	--
Mr. Jadhav Venkat Kondiba	M.Tech. (Elex. & Tel.) 2008	Asst. Professor	M.Tech. (Elex. & Tel.) 2008	ISTE	--	--



Mr. Patil Sanjay Madhukarr ao	M.E. Elex. (Specializati on in Comp. Tech.) 2007 (Ph.D. Pursuing)	Asst. Profess or	M.E. Elex. (Specializati on in Comp. Tech.) 2007 (Ph.D. Pursuing)	. Institution of Engineers (India). ISTE	--	--
Mr. Wankhede Prashant Shriram	M.E. (Electroni cs) 2004 (Ph.D. Pursuing)	Asst. Profess or	M.E. (Electronics ) 2004 (Ph.D. Pursuing)	ISTE	--	--
Mrs. Vaidya Sanjiwani Namdeo	M.E. Elex. & Tel. 2014	Asst. Profess or	M.E. Elex. & Tel. 2014	ISTE	--	--
Mr. Londhe Anil Satyadeo	M.E.(Electr onics) 2012	Asst. Profess or	M.E.(Electr onics) 2012	ISTE	--	--
Mrs. Nirmal Asmita Jagannath	M.E.(Elex. & Tel.) 2011	Asst. Profess or	M.E.(Elex. & Tel.) 2011	ISTE	--	--
Mrs. Pacharney Utkarsha Sumedh	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	Asst. Profess or	M.E.(Elex. & Tel.) 2011 (Ph.D. Pursuing)	ISTE	--	--
Mrs. Bhaskarwar Roshani Vinod	M.E. (Elex. & Tel.) 2011	Asst. Profess or	M.E. (Elex. & Tel.) 2011	ISTE	--	--
Mrs. Jain Preeti Nitin	M.E. (Electroni cs) 2012 (Ph.D. Pursuing)	Asst. Profess or	M.E. (Electronics ) 2012 (Ph.D. Pursuing)	ISTE	--	--
Mrs. Mithbavkar Shraddha Atul	M.E.Electr onics2012	Asst. Profess or	M.E.Electro nics2012	ISTE	--	--



**DATTA MEGHE COLLEGE OF ENGINEERING**  
**AIROLI, NAVI MUMBAI**

**NAAC SSR**

Mr. Bobade Satish Bapuraoji	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex.& Tele.	ISTE	.	--
Mrs. Shukla Dhanashree Pratik	M.E. Elex. & Tel. 2014	Asst. Profess or	M.E. Elex. & Tel. 2014	.	--	--
Mr. P. Susheelku mar S.	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex.& Tele.	.	--	--
Mr. Adokar Ramesh Vitthal	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex.& Tele.	ISTE.	--	--
Mr. Chaudhari Girish Natthuji	M.Tech (Energy Tech)	Asst. Profess or	M.Tech (Energy Tech)	. ISTE	--	--
Mr. Nandwalka r Jayant Ramesh	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex.& Tele.	ISTE	--	--
Ms. Chavan Rupali Sanjay	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex.& Tele.	ISTE	--	--
Ms. Patil Pratiksha Baban	M.E. Elex. & Tel. 2014	Asst. Profess or	M.E. Elex. & Tel. 2014	--	--	--
Mrs. Sawale Pallavi Abhijeet	M.E. Elex.& tele.	Asst. Profess or	M.E. Elex.& tele.	--	--	--
Ms. Zope Monika Vishvanath	M.E. Elex. D.S. 2012	Asst. Profess or	M.E. Elex. D.S. 2012	---	--	--
Mrs. Phatak Tejasree S	M.E. Elex.& Tele. 2013	Asst. Profess or	M.E. Elex.& Tele. 2013	-----	--	--



Mrs. Baviskar Poonam Lalit	M.E. Elex.& Tele. 2014	Asst. Professor	M.E. Elex.& Tele. 2014	--	--	--
Mrs. Raut Amrita Sudhir	M.E. Elex.& Tele. 2014	Asst. Professor	M.E. Elex.& Tele. 2014	--	--	--
Mrs. Kavitake Geeta Satish	M.E. Electronics 2015	Asst. Professor	M.E. Electronics 2015	--	--	--
Ms. Dhande Bhagyashri Pitambar	M.E. Elex.& Tele. 2015	Asst. Professor	M.E. Elex.& Tele. 2015	--	--	--
Ms. Deshmukh Sonali Vikasrao	M.E. Elex.& Tele. 2015	Asst. Professor	M.E. Elex.& Tele. 2015	--	--	--
Mrs. Bamnote Ruchika	M.E.(VLSI & Embedded) 2015	Asst. Professor	M.E.(VLSI & Embedded) 2015	--	--	--
Ms. Randhawane Prajakta Dilip	M.E.(VLSI & Embedded) 2015	Asst. Professor	M.E.(VLSI & Embedded) 2015	--	--	--
Mr. Shaikh Saad Ahmed	M.Tech. Elex.& Tele. 2015	Asst. Professor	M.Tech. Elex.& Tele. 2015	--	--	--
Mr. Ekbote Sameer Vilas	M.E.(Electrical Engg.) 2000	Asst. Prof &T & P Officer	M.E.(Electrical Engg.) 2000	ISTE	--	--

## 22. Student projects

### a) Percentage of students who have done in-house projects including inter departmental/programme

100% in - house project activity. Some of the projects done by the students are listed in the annexure



Academic Year	Name of The Programme	In-House projects	Outside-Organization Projects
2016-17	B.E.	100%	-
	M.E.	100%	--
2015-16	B.E.	100%	-
	M.E.	100%	--
2014-15	B.E.	100%	-
	M.E.	100%	--
2013-14	B.E.	100%	-
	M.E.	100%	--

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Some of the departmental students are regularly participating in project competitions organized by the engineering colleges affiliated to University of Mumbai.

The students have also exhibited the projects at IIT Bombay's Techfest

<b>Intercollegiate Project Competing Result</b>		
<b>No.</b>	<b>UID No.</b>	<b>Name of project</b>
First Prize	32	Multiutility Crab
Second Prize	68	IOT
Third Prize	54	Determining Arrival Sign
Consolation 1	48	Refrigerator without compressor
Consolation 2	3	Wireless Charger
Consolation 3	58	Bluetooth controlled Robot
Consolation 4	57	WSN based special monitoring system
Consolation 5	23	Wireless accident information system and safety measures
Consolation 6	69	Sixth sense gadget
Consolation 7	62	The smart fall Detector
Special prize		Solar Car

### **23.Awards / Recognitions received by faculty and students**

The ISTE Student Chapter has been awarded the Best student chapter in Maharashtra-Goa section by ISTE, New Delhi.

IEEE /ISTE/IETE student chapters have jointly organized Swatch Bharat Abhiyan

IEEE /ISTE/IETE student chapters have jointly organized Social events in which old clothes were distributed to needy people.



**Awards and recognitions received by students**  
**2013-14**

Sr.No.	Year	Ranking	Name of Student	C.G.P.A.
1.	S.E.	1	Saldur Payal	9.07
		2	Shetye Amruta	8.78
		3	Sarang Manasi	8.71
2.	T.E.	1	Jaisawal Ankit	76%
		2	Shelge Pooja	74.70%
		3	Patil Tejal	72.29%
3	B.E.	1	Nayak Shweta	81.67%
		2	Kurhade Sneha	77.54%
		3	Nayak Vishakha	77.29%

**2014-15**

Sr.No.	Year	Ranking	Name of Student	C.G.P.A.
1.	S.E.	1	Dongare Harshada	9.78
		2	Lambe Sampada	9.46
		2	Math Shreya	9.46
		3	Chafekar Bhagyashree	9.42
2	T.E.	1	Saldur Payal	9.48
		2	Salvi Rupali	9.03
		3	Sase Kalpesh	8.96
3	B.E.	1	Mane Minita	74.77%
		2	Sarmalkar Anagha	74.00%
		3	Patil Tejal	73.55%



**2015-16**

Sr.No.	Year	Ranking	Name of Student	C.G.P.A.
1.	S.E.	1	Dandekar sujay	8.93
		2	Nayar Aishwarya	8.71
		3	Acharya Jitesh	8.68
2	T.E	1	Math Shreya	9.26
		2	Gurav Swapanali	9.11
		3	Lambe Sampada	8.67
		3	Nandi Arpit	8.67
		3	Khedekar Sjweta	8.67
3	B.E.	1	Saldur Payal	9.35
		2	Shetye Amruta	8.56
		3	Sarang Manasi	8.55

Department has a distinguished alumni which gave us recognition

- 1. Siddharth Rao (Electronics) Head-Tech.**
- 2. Sanjiv Sachdev (Electronics) Director- Business Development.**
- 3. Sandeep Karnik (Electronics) IPS.**
- 4. Abhijeet Mehta (Electronics) Entrepreneur**
- 5. Upendra Joshi (Electronics) Senior Software Specialist.**

The departmental students have also excelled in extracurricular activities such as sports. The departmental students have won the trophy in sports as a part of continual teaching and personality development







---

#### 24. List of eminent academicians and scientists / visitors to the department

Prof. R. K. Shevgaokar, an eminent scientist and scholar have visited the department to inaugurate the National Conference organized by the department



The Electronics Engineering department also has a IEEE student branch. This student branch is active and responsible for conducting technical activities.

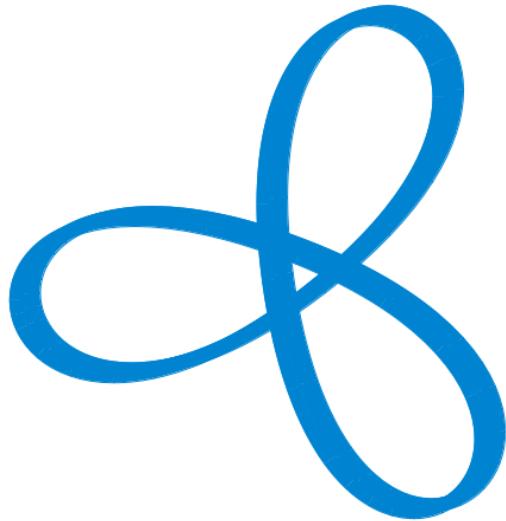


DATTA MEGHE COLLEGE OF ENGINEERING  
AIROLI, NAVI MUMBAI

NAAC SSR

---

**Activity Report 2015-2016**



**IEEE DMCE**

**Student Branch**



---

### IEEE Day 2k15

IEEE DMCE like every year decided a theme for itself to celebrate IEEE Day 2015 which was **Technology and Business**. And so the events were based around this theme.

#### Technobiz



**Round 1**



**Round 2**



Technobiz was a group event consisting of two participants per group. On the basis of entries, there was an ELIMINATION round where only top four teams moved to the next round. There were four more rounds in which first one was BUZZER ROUND where participants needed to press the buzzer if they were confident about their answers. Next round was FILL IN ROUND wherein participants had to guess the answer on the basis of number of alphabets present in the answer. Third round was CONNECT IT round where participants had to connect the pictures displayed to them on the projector and find the answer. The team with the highest score of the other three teams in the last 3 rounds was named the “Technobiz wiz”.

### **Technopreneur**

Technopreneur was an individual event. The participants were provided with newspapers and they had to select any problem from it and were asked to write solution for the concerned problem .The way they will tackle that problem using technology and would make a business out of it were the two points judges looked for in the winner.

### **Technical Extempore**



**Student speaking on his topic**



#### **Our esteemed judge announcing the winner**

Technical extempore was an individual event. The participants were given on the spot technical topics to talk on for 3-5mins. It was organized to see the technical knowledge of students. Students were scored on their ability to speak and points put forth by them.

#### **Mini Extreme**





---

Mini Xtreme was a coding and debugging competition. The competition went in two stages

1. Debugging

2.Coding

The participants were given a fixed time in which they had to debug as many problems as they could. The next stage was where they had to code for as many possible problems as they could from the given problem definitions.

### **Word-a-thon**

As the name suggests it revolved around a word marathon albeit technical. It was a team event with each team consisting of 4 members. Each team was given a technical word to start off with. The member had to make a story out of it, midway the member was interrupted and the second member had to continue the story in his way, and so on. The team with the most creative story won.

### **Circuit Debugger**

Circuit Debugger was an individual event. It was electronics based event which focused on debugging the given circuits and simplifying it using various techniques.

### **Inauguration of WIE Chapter**



**Cake cutting done by our supporting faculty**



### With the team

IEEE DMCE also began with its chapter titled, Women in Engineering. The vision was to focus on the important roles women essay in the field of engineering and the way they overcome challenges and excel in technical as well as management of projects. The event was carried out on IEEE DAY which was all held on 1<sup>st</sup> October, 2015.

#### I. IEEE Xtreme 9.0

IEEEExtreme is an annual hackathon and competitive programming challenge in which teams of IEEE Student members, often supported by an IEEE Student Branch and proctored by an IEEE member; compete in a 24-hour time span against each other to solve a set of programming problems. The competition is underwritten and coordinated by IEEE's Membership and Geographic Activities department, and is often supported by partnering sponsors, like IEEE Computer Society. It was held on 27<sup>th</sup> October, 2015



---

## II. Glitters of light



**Volunteers with children**

IEEE DMCE collaborated with a non profit organization “Glitters of light” to donate clothes and books to the underprivileged. Also the women were provided with household utensils. We started off early that day. We went to a school and taught the kids a little bit of maths and English. We played some music and made them sing and dance. We played games with them. We did some



---

painting with them. Then we started going around the village, with activities like donating clothes, utensils and books, which was held on 7<sup>th</sup> November, 2015.

### III. AICSSYC 2015



All India IEEE Computer Society Student YP Congress 2015 was held by Delhi Section at Netaji Subhas Institute of Technology, New Delhi. It was a three day event which aimed to provide everything at once: Informative lectures by inspiring IEEE and IEEE CS leaders, industrial and professional erudite and discussions for the better analysis and working of teams, fun events full of frenzy and entertainment. 11 members from IEEE DMCE were selected. It was a 3 day congress from 20<sup>th</sup> – 22<sup>nd</sup> December.

### IV. Know your Pi

It was a baby step in introducing the world of electronic prototyping. Description of various Open source technologies were given but particularly focused on Raspberry pi .It was held on 8<sup>th</sup> January, 2016.



---

## V. Industrial Visit



**Component mounting**



**Designing board and SMD mounting**

All students were taken to Vital Electronics Manufacturing &Co. The students were shown the complete process of PCB making. From designing of the board to mounting components like SMDs to soldering of the components. Manual mounting of components too. We saw the whole production, packaging and shipping process. They gave us information about what exactly the industries are looking for in newly graduate engineers. It was held on 19<sup>th</sup> January, 2016.



---

## VI. IEEE CAT



A COMMON APPTITUDE TEST was taken for the students of SE, TE and BE. A month prior to the actual CET for aspiring MBA students. It was held on 4<sup>th</sup> February, 2016.

The electronics engineering department also has a IETE Student branch, which conducts various technical and social activities. Some of the activities are listed below.

Intercollegiate Project Competing Result		
No.	UID No.	Name of project
First Prize	32	Multiutility Crab
Second Prize	68	IOT
Third Prize	54	Determining Arrival Sign
Consolation 1	48	Refrigerator without compressor
Consolation 2	3	Wireless Charger
Consolation 3	58	Bluetooth controlled Robot
Consolation 4	57	WSN based special monitoring system
Consolation 5	23	Wireless accident information system and safety measures
Consolation 6	69	Sixth sense gadget
Consolation 7	62	The smart fall Detector
Special prize	--	Solar Car



---

The following experts were present for award ceremony

List Of Experts	
Sr.No.	Name
1	Mr. Yogesh Chandurkar
2	Mr. P.Sushilkumar
3	Mr. Sakhalkar
4	Mr. S.B.Bobde
5	Dr. R.N.Duche
6	Mr. Vijayan
7	Mr. G.N.Choudhari
8	Mr.Vishresh M.Koshti
9	Mr. J.R.Nandwalkar
10	Mr. R. V. Adokar







25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

Department had organized National conference on Advanced Trends in Engineering on 12 March 2016. Total 110 papers are selected for presentation. Dr. R. K. Shevgaonkar, Professor, Electrical Dept. IITB was the keynote speaker.





**b) International**

Dept has planned International conference on Advanced Trends in Engineering (ICATE-2017) on 07 April 2017. Around 1000 attendees shall be attending the conference. Dr. Chakraborty, Professor, IITB will be the keynote speaker.

<b>Academic Year</b>	<b>Name of the Event</b>	<b>Source of Funding</b>
2016-17	National conference on Advanced Trends in Engineering	Indian Society For Technical Education
2017-18	International conference on Advanced Trends in Engineering	Indian Society For Technical Education

**26. Student profile programme/course wise:**

<b>Academic Year</b>	<b>Name of the Course/programme (refer question no. 4)</b>	<b>Applications received</b>	<b>Selected</b>	<b>Enrolled</b>		<b>Pass percentage</b>
				<b>*M</b>	<b>*F</b>	
May 2016	S.E.(Electronics)	115	115	86	29	35.65%
Dec.2015	S.E.(Electronics)	115	115	86	29	32.17%
May-2015	S.E.(Electronics)	147	147	90	57	65.3%
Dec.2014	S.E.(Electronics)	148	148	92	56	41.21%
May-2014	S.E.(Electronics)	156	156	90	57	65.3%
Dec.2013	S.E.(Electronics)	148	148	92	56	41.21%



Academic Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
May 2016	T.E.(Electronics)	145	145	91	54	62.7%
Dec.2015	T.E.(Electronics)	141	141	90	51	68.08%
May-2015	T.E.(Electronics)	168	168	118	50	66.6%
Dec.2014	T.E.(Electronics)	167	167	115	52	57.55%
May-2014	T.E.(Electronics)	142	142	91	51	73.23%
Dec.2013	T.E.(Electronics)	148	126	92	56	41.21%

Academic Year	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
May 2016	B.E.(Electronics)	157	157	108	49	91.08%
Dec.2015	B.E.(Electronics)	161	161	108	49	79.0%
May-2015	B.E.(Electronics)	161	161	104	57	90.6%
Dec.2014	B.E.(Electronics)	161	161	104	57	83.8%
May-2014	B.E.(Electronics)	125	125	85	40	92.8%
Dec.2013	B.E.(Electronics)	126	126	87	39	80.9%

\*M = Male \*F = Female



27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.(Electronics Engineering)	100	0	0
M.E (Electronics & Telecomm. Engineering)	100	0	0

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.(Electronics Engineering)	100	0	0
B.E.(Electronics Engineering)	100	0	0
B.E.(Electronics Engineering)	100	0	0
B.E.(Electronics Engineering)	100	0	0
M.E.(Electronics & Telcomm.Engineering)	100	0	0
M.E.(Electronics & Telcomm.Engineering)	100	0	0
M.E.(Electronics & Telcomm.Engineering)	100	0	0
M.E.(Electronics & Telcomm.Engineering)	100	0	0



28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
- NIL

29. Student progression

Sr.No.	Year of Graduation	No.of Students admitted to P.G.	No.of Students admitted to M.Phil	PG to Ph.D.	Entrepreneurs/ Self-employment
1.	2016-17	0	-	-	0
2	2015-16	34	-	-	4
3	2014-15	33	-	-	2
4	2013-14	25	-	-	3

Sr. No.	Name of Student	Email-id	Academic year for which recommendation taken
1	-	-	2017-18
2.	Piyush Rao	raopiyu94@gmail.com	2016-17
3.	Sanman Pradhan	sanman.p211993@gmail.com	2015-16
4.	Rahul Bansode	bansode_rahul05@gmail.com	2014-15
5.	Venkatesh Kuppan	Venkateshkuppan26@gmail.com	2015-16
6.	Amin Khan	misr99@gmail.com	2013-14
7.	Rahul Gadre	----	2013-14
8.	Madhura Naik	madhura_singer@yahoo.co.in	2013-14

The students are placed in reputed companies through campus selection. The Campus Placement Data is given for the reference



Sr. No.	Academic Year	Students Enrolled	Students Placed
1.	2016-17	--	--
2.	2015-16	137	73
3.	2014-15	135	13
4.	2013-14	116	44

The students those who are not placed in companies through campus selection, they are placed; we are in a process to acquire the same data.

30.

**a) Libraray**

Sr. No	Title	Department of Electronics	Central Library
1	No. of Title	2807	17102
2	No. of Books	9427	42144
3	Journals	8	59
4	Magazines	5	17
5	E -Journals	IEEE,McGrawHill	IEEE,ASME ,ASCE McGrawHill

**Details of Infrastructural facilities**

Journals 2015-16  E-journals Packages	Print journals 2015-16  Print Journals/Magazines
IEEE, McGraw	8+5=13
Year 2014-15	Year 2014-15
IEEE	nil



Journals 2013-14	Journals 2013-14
IEEE,	nil
Journals 2012-13	Journals 2012-13
IEEE	nil

**b) Internet facilities for Staff & Students**

The department has internet facility with 40MBPS link

**c) Class rooms with ICT facility**

The department has 8 classrooms.

**d) Laboratories**

**The department has sound laboratories which caters to the practical need of the students for learning electronics engineering The detailed laboratory equipments with their laboratorywise cost has been provided in the annexure**

Sr.No.	Name of The Laboratory	Area	Cost of Equipments
1.	Electrical Machines & Instruments Laboratory	70 sq m	268646.86
2	Communication Laboratory	70 sq m	949258.81
3	VLSI Laboratory	73.5 sq. m.	226500
4	Computer Laboratory 1	73.5 sq. m.	1114000
5	Workshop Laboratory	70 sq. m.	5,98,982.00
6	Electronics Circuit Analysis & Design Laboratory	70 sq. m.	9,23,133.00
7	Instrumentation Systems Laboratory	70 sq m	5,64,983.00



8	Basics of Electrical & Electronics Engineering Laboratory	73.5 sq m	4,54,716.56
9	Power Electronics Laboratory	73.5 sq m	198960.00
10	Digital Design and Microprocessor Laboratory	73.5 sq m	471389.57
11	PG Laboratory -1	70 sq. m.	2,80,500.00
12	PG Laboratory - 2	73.5 sq m	108000.00
<b>Total Equipment Cost</b>			<b>6159069.8</b>

**31. Number of students receiving financial assistance from college, university, Government or other agencies**

The Maharashtra Govt. is awarding concessions to the students belonging to Scheduled Castes/Scheduled Tribes/Nomadic Tribes and other economically weaker sections (EBC) concessions. In addition, the students are also receiving the scholarships from the trusts like Ratan Tata Trust. The detailed list of students is attached in the annexure.

YEAR	BRANCH	SC	ST	OBC	VJNT	SBC	EBC	MINORITY	TATA	OTHER
2013-14	ELEX.	60	07	81	33	11	27	02	02	----
2014-15	ELEX.	65	06	81	43	13	24	05	0	----
2015-16	ELEX.	62	03	76	28	10	27	04	0	----
2016-17	ELEX.	47	05	57	27	02	46	05	0	----

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts**

ISTE and IEEE and IETE chapters jointly organized Social event in which old clothes were distributed to needy people.





---

**33. Teaching methods adopted to improve student learning**

The department adopts following teaching methods to improve student learning

**1. Lecture Method**

- It creates new ideas.
- It is good for large class.
- Teacher is experienced and has mastery on subject, explain all points and can answer all questions raised by students.
- Students can ask if they need any clarification.
- Learn through listening
- Teacher explains all points.
- Students give their input
- Teacher discuss whole topic in the class in easy language so students can easily understand the topic.
- It is good for large class.
- Teacher provides all knowledge related to topic.
- Time saving as teacher is supposed to finish lecture in time.
  - Students give their views at the end of lecture
  - Students can ask question if they have any problem to understand lecture.
- Students attentively listen lecture and take notes as the teacher ask questions at the end of lecture.
- Students know and understand basic concepts.
- It creates new ideas.
- Teacher knows all the students so he/she can use suitable strategies for the class to make them understand.
- Teacher is experienced and has mastery on subject and can answer all questions by students.
- Teacher share information with students so it creates interest in students.



- 
- Students are more involved and participate when teacher ask question.
  - Teacher provides notes.
  - Students easily understand every point.

## **2 Discussions:**

- More participation of students.
- Students listen to other's opinion & express their opinion.
- Discuss with teachers the points that were missed during discussion.
- Students learn on their own & find out key points.
- Students exchange their ideas.
- Students get point of view of all and not only those who always speak.
- After discussion when students give their presentation, teacher corrects their mistakes.
- Students can make their own notes.
- The learning is more effective.
- Develops creativity among students.
- It evokes thinking among students.
- Students have time for preparation of topic.
- Students should have material and knowledge before discussion. Suggestion
- Only those students participate who have confidence rest do not participate.
- Concepts become clear after discussion.
- Every student gives his/ her opinion.

## **3. Individual presentation**

- Students first thoroughly understand the topic before giving presentation i.e. mastery on topic.
- It increases confidence among students.



- 
- Good way to learn for only one student who is presenting.
  - Students search lot of books to collect material
  - Teacher's supervision is important

#### **4. Assignment**

- It enhances the ability of research on any topic as the students search topic from different books, websites etc.
- Active learning

#### **5. Seminars**

- Give Chance to meet other people of same profession.
- Motivate and make student active in learning.

#### **6. Workshops**

- Give Chance to meet other people of same profession

#### **7. Conferences**

- Give Chance to meet other people of same profession.
- Networking with other institutions and professionals.

#### **8. Brain storming**

- More interesting
- More informative
- Gain knowledge
- Learning is effective
- More participation of students
- Students give their opinion
- Active learning
- Creative thinking is encouraged.



- 
- Students think beyond their knowledge.
  - Every one gets the chance to express their thoughts.
  - Simple topics can be learnt through different angles.

#### **9. Role play**

- Interesting method
- Creative thinking is encouraged.
- Students think beyond their knowledge.
- Students enjoy the situation
- Active learning • Easy to learn

#### **10. Case study**

- Active learning
- Creative thinking is encouraged.
- Students think beyond their knowledge

#### **11 Discussion: Making teaching methods more interesting .**

Use Questioning Strategies That Make All Students Think and Answer

Powe Point Presentations

Referring to Online learning resources like NPTEL video Lectures

Referring to Online learning resources like MIT Lectures

Referring IEEE and other reputed journal papers for teaching the syllabi

Exploring industry academia linkages for getting a real time hands-on for related topics.

#### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

The ISTE and IEEE and IETE chapters organized many events for students which includes Workshop on Electronic Lab instruments, Poster competition,

ISTE and IEEE and IETE chapters jointly organized Social event in which old clothes were distributed to needy people.



### 35. SWOC analysis of the department and Future plans

#### **Strengths**

- A team of well experienced and dedicated faculty members.
- Well equipped laboratory facilities and smart classrooms.
- Good academic performance with university ranks and gold medal.



- 
- Consistent good placement records
  - Collaborative interaction of students and faculty with Industry Experts.
  - Good faculty retention.

**Weakness**

- Fewer number of consultancy services.
- Tie-up with professional bodies needs to be strengthened.
- MoUs with Research level Institute and R&D based organizations are to be reinforced.
- Sponsored/non-sponsored research projects have to be augmented.
- No patent rights so far.

**Opportunities**

- Getting more funded projects
- To establish TBI centre.
- To convert student project to products.
- To develop socially useful projects.
- To get more internship in industries.

**Challenges**

- More rural area students with poor communication skills.
- The absorbing and comprehending skill of the incoming students is declining.
- The technology and the demand from the industries changes frequently.
- To place more students in core companies.

**Future Plans**

- To establish centre of excellence in areas like Embedded Systems, Circuit Boards Design, VLSI Design.
- To establish Centre of Research in the department.
- To introduce additional post graduate programs.
- To enroll more students to benefit from professional societies
- To increase the number of students placed in core industries.
- To fortify industry tie-ups, joint research and in-house projects.
- Organizing international conference.
- To get accredited by NBA.
- To draw more funded projects.
- To publish department journal.



---

## ANNEXURES



---

**ANNEXURE: PLACEMENT**

Sr No.	Name of Company	2011-12	2012-13	2013-14	2014-15	2015-16
1	Tata Consultancy Services Ltd,		63	35	60	90
2	NSE InfoTech Services Ltd.,	2	1			
3	Tech Mahindra Ltd,	6	7	20		
4	Infosys Technologies Ltd,	100				
5	Wipro BPO Solutions Ltd	2				
6	Capgemini Consulting India Pvt.Ltd.				4	
7	L & T InfoTech Ltd,	7		4	25	17
8	iGATE Patni Computer Systems Ltd,	5		17	10	16
9	Hexaware Technologies Ltd,	2	5	1		
10	Godrej,	14		6		8
11	Engineering & Designs Technimount ICB Pvt. Ltd.	2		3	2	4
12	Reliance Communication,			4		



13	Syntel Ltd,			1	3	
14	Mahanagar Gas Ltd.	4	2	1		
15	Nikhil Comforts				3	
16	Dorf Ketal chemicals I pvt. Ltd	4	1			
17	Polaris Software Lab Ltd,				1	
18	L & T Ltd,	6		1		
19	Marathon Realty Ltd.	7	5	10	6	5
20	IBM ,	1		2		
21	L & T ECC Mount	6	2			
22	Cybermarine,		1	1	1	
23	Stup Consultans P.Ltd,					3
24	V.V.F Ltd.		2			
25	Nirmal Industries	1				
26	Toyo Industries Ltd.		10			
27	Hi tech radiators Pvt. Ltd.	4				



28	Transcend	6				
29	Iris Solutions	2				
30	C.S.C. India Pvt. Ltd.	2				
31	BOC, Oxygen					
32	Kelkar Designs Pvt. Ltd.	4		2	2	3
33	H.S.B.C.	15	16	14	6	
34	K.E.C.					
35	Persistent	1		5	2	2
36	Thirdware		2			2
37	Zeus Learning					4
38	Man Infra	6				
39	Sharpline group			4		
40	Taj			1		
41	Axis Consultants	3				
42	Savair Energy Ltd		4			



43	MasterTech					
44	Quinnox	3	3	4		2
45	Oracle	5				
46	Pratibha group	6				
47	Sutherland	13				24
48	P V kulkarni	2				
49	Dynatesh	4				
50	Mannara	1				
51	Pmech	2	2			
52	Pall India	2				
53	Techsa	2				
54	Aluplex	5				
55	Electrolab	1				
56	Watson	11				
57	Cleansep	1				



58	eClerx	1					
59	Deepak Fertilizers	1					
60	Lodha Ltd		3				
61	Convonix		8	3			
62	Mu Sigma		3		1	2	
63	JSW Steel Ltd		6		7		
64	Bosch		3				
65	Technip		4	7	1		
66	PRDXN		2	2	9	2	
67	Huawei		7				
68	Dusane Infotech		2				
69	Universal hunt		1	4			
70	E struct		1				
71	Emco				2		
72	Spectrum		2	16			



73	Owens corning		1			
74	L & T Integrated ltd.		8	3		
75	Essel Group		1			
76	Monorail		1			
77	Tata projects		6			
78	Tata aia			4		
79	Apar chemicals			3	2	2
80	Selec			1		3
81	Rave Technologies			2		
82	Pentair			2	2	
83	Carwale			2	2	
84	Techint			2		
85	Polygel			2		
86	CMC Ltd			1		
87	Mpil			2		4



88	Kiprosh			1		
89	Logixal			1		
90	Zycus				1	
91	Allerin				1	1
92	Vijay Engg.				4	2
93	Cimpress				2	
94	Indus Tower				1	2
95	Paramatrix				7	
96	Bitwise				2	
97	Itsourse				5	
98	Ericsson				2	6
99	Elex India				2	
100	Shree Balaji construction				7	
101	XL Dynamics				3	
102	Bizerba				1	



103	Qad				1	
104	Reliance Jio				9	
105	Saama				2	
106	Actavis				6	
107	In steel				1	
108	Teoco				1	
109	Verchaska				1	
110	Experian				1	
111	Ikya (Samsung)				2	
112	Adapty				1	
113	Quality Kiosk				5	
114	Spectrum (Civil)				3	
115	Amazon				6	
116	E Emphasys				2	
117	Control Print				3	



118	Pentacle Consultants					4
119	Walplast					5
120	BPCL					1
121	HCL				2	
122	Grand Total	272	191	198	229	236



**Annexure: National/International Committees/boards**

Name	Qualification	Designation	Specialization	National committees	International Committees	Editorial Boards
Dr. Pete Dnyandeo Jageshwar	Ph.D. Electric al 2012	Professor & HOD	Ph.D. Electr ical 2012	--	--	--
Mr. Kurhekhar Anil Sudhakar	M.E.(Electroni cs) 1996 (Ph.D. Pursuing)	Asst. Professor	M.E.(Electr onics) 1996 (Ph.D Pursu ing)	Institution of Engineers (India). Advance Computing Society of India	--	IEEE TMECH journal
Mr. Jajoo Suresh Ramvilas	M. Tech.((Integrate d Power Sys) 1999	Asst. Professor	M. Tech. ((Inte grated Power Sys) 1999	. Institution of Engineers (India). Member, National Executive Council, ISTE, New Delhi	--	--
Mr. Vaidya Namdeo Bapuraoji.	M.Tech (Power Elex.) 1996 (Ph.D. Pursuin g)	Asst. Professor	M.Tech(Pow er Elex.) 1996 (Ph.D Pursu ing)	ISTE.	--	--
Mr. Lohiya Govindkumar Balkisan	M.E.(Electroni cs) 1996	Asst. Professor	M.E.(Electr onics) 1996	IEEE	--	--
Mr. Jadhav Venkat Kondiba	M.Tech . ( Elex. & Tel.) 2008	Asst. Professor	M.Tech. ( Elex. & Tel.)	ISTE	--	--



Mr. Patil Sanjay Madhukarrao	M.E. Elex. (Special ization in Comp. Tech.) 2007 (Ph.D. Pursuin g)	Asst. Profess or	M.E. Elex. (Spec ializat ion in Comp . Tech. ) 2007 (Ph.D . Pursu ing)	. Institution of Engineers (India). ISTE	--	--
Mr. Wankhede Prashant Shriram	M.E. (Electro nics) 2004 (Ph.D. Pursuin g)	Asst. Profess or	M.E. (Elect ronics ) 2004 (Ph.D . Pursu ing)	ISTE	--	--
Mrs. Vaidya Sanjiwani Namdeo	M.E. Elex. & Tel. 2014	Asst. Profess or	M.E. Elex. & Tel. 2014	ISTE	--	--
Mr. Londhe Anil Satyadeo	M.E.(El ectronic s) 2012	Asst. Profess or	M.E.( Electr onics) 2012	ISTE	--	--
Mrs. Nirmal Asmita Jagannath	M.E.(El ex. & Tel.) 2011	Asst. Profess or	M.E.( Elex. & Tel.) 2011	ISTE	--	--
Mrs. Pacharney Utkarsha Sumedh	M.E.(El ex. & Tel.) 2011 (Ph.D. Pursuin g)	Asst. Profess or	M.E.( Elex. & Tel.) 2011 (Ph.D . Pursu ing)	ISTE	--	--



Mrs. Bhaskarwar Roshani Vinod	M.E. (Elex. & Tel.) 2011	Asst. Profess or	M.E. (Elex. & Tel.) 2011	ISTE	--	--
Mrs. Jain Preeti Nitin	M.E. (Electro nics) 2012 (Ph.D. Pursuin g)	Asst. Profess or	M.E. (Elect ronics ) 2012 (Ph.D .Pursu ing)	ISTE	--	--
Mrs. Mithbavkar Shraddha Atul	M.E.Ele ctronics 2012	Asst. Profess or	M.E. Electr onics 2012	ISTE	--	--
Mr. Bobade Satish Bapuraoji	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex. & Tele.	ISTE	.	--
Mrs. Shukla Dhanashree Pratik	M.E. Elex. & Tel. 2014	Asst. Profess or	M.E. Elex. & Tel. 2014	--	--	--
Mr. P. Susheelkumar S.	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex. & Tele.	--	--	--
Mr. Adokar Ramesh Vitthal	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex. & Tele.	ISTE.	--	--
Mr. Chaudhari Girish Natthuji	M.Tech (Energy Tech)	Asst. Profess or	M.Te ch (Ener gy Tech)	. ISTE	--	--
Mr. Nandwalkar Jayant Ramesh	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex. & Tele.	ISTE	--	--
Ms. Chavan Rupali Sanjay	M.E. Elex.& Tele.	Asst. Profess or	M.E. Elex. &Tel	ISTE	--	--



Ms. Patil Pratiksha Baban	M.E. Elex. & Tel. 2014	Asst. Profess or	M.E. Elex. & Tel. 2014	--	--	--
Mrs. Sawale Pallavi Abhijeet	M.E. Elex.& tele.	Asst. Profess or	M.E. Elex. & tele.	--	--	--
Ms. Zope Monika Vishvanath	M.E. Elex. D.S. 2012	Asst. Profess or	M.E. Elex. D.S. 2012	---	--	----
Mrs. Phatak Tejashree S.	M.E. Elex.& Tele. 2013	Asst. Profess or	M.E. Elex. & Tele. 2013	-----	--	--
Mrs. Baviskar Poonam Lalit	M.E. Elex.& Tele. 2014	Asst. Profess or	M.E. Elex. & Tele. 2014	--	--	--
Mrs. Raut Amrita Sudhir	M.E. Elex.& Tele. 2014	Asst. Profess or	M.E. Elex. & Tele. 2014	--	--	--
Mrs. Kavitake Geeta Satish	M.E. Electro nics	Asst. Profess or	M.E. Electr onics	--	--	--
Ms. Dhande Bhagyashri Pitambar	M.E. Elex.& Tele. 2015	Asst. Profess or	M.E. Elex. & Tele. 2015	--	--	--
Ms. Deshmukh Sonali Vikasrao	M.E. Elex.& Tele. 2015	Asst. Profess or	M.E. Elex. & Tele. 2015	--	--	--
Mrs. Bamnote Ruchika	M.E.( LSI& Embedd ed)	Asst. Profess or	M.E.( VLSI & Embe dded)	--	--	--



Ms. Randhwane Prajakta Dilip	M.E.(V LSI& Embedd ed)	Asst. Profess or	M.E.( VLSI & Embe dded) 2015	--	--	--
Mr. Shaikh Saad Ahmed	M.Tech . Elex.& Tele.	Asst. Profess or	M.Te ch. Elex. & Tele.	--	--	--
Mr. Ekbote Sameer Vilas	M.E.(El ectrical Engg.) 2000	Asst. Prof &T & P Officer	M.E.( Electr ical Engg. ) 2000	ISTE	--	--



**ANNEXURE: RESULTS**

**Year 2014-15 (DEC 2014) –Term I, B.E- Sem VII  
Result Analysis**

Ye ar	Se m	Div	Tot. no of stu dents	Stude nts Appe ared	No. of stu dents	Tot. no of stu dents	% of pas sed Stude nts	Tot. no of stu dents	% of faile d Stude nts	Tot. no of stu dents in Dist.	No. of stu dents in Ist class	Le s tha n 60 %
B. E	VI I	Over all	161	161	00	135	83.85	26	16.14	11 (6.8 %)	90 (66.6 6 %)	34 (25. 18 %)

**Dec 2013 –Term I, M.E- SEM I  
Result Analysis**

Year	Tot. no of stu dents	No. of stu dents appeared	No. of stu dents Absent	Tot. no of stu dents passed	% of pas sed Stude nts	Tot. no of stu dents failed	% of faile d Stude nts
M.E	18	18	00	13	72.22 %	5	27.77 %

**Year 2014-15 (DEC 2014) –Term I, S.E- SEM III  
Result Analysis**

Ye ar	Se m	Div	Tot. no of stu dents	Stude nts Appea red	No. of stu dents	Tot. no of stu dents	% of pas sed Stude nts	Tot. no of stu dents	% of faile d Stude nts	Tot. no of stu dents in Dist.	No. of stu dents in Ist class	Le ss tha n 60 %
S. E	III	Over all	151	148	03	61	41.21	87	58.78	22 (14.8 6 %)	34 (22.9 7 %)	05 (3. 37 %)



**Year 2014-15 (DEC 2014) –Term I, T.E- Sem V**

**Result Analysis**

Year	Sem	Div	Tot. no of students	Stude nts Appeared	No. of stud ents Absent	Tot. no of stud ents passed	% of passed Students	Tot. no of stud ents failed	% of failed Stude nts	Tot. no of stud ents in Dist.	No. of stud ents in Ist class	Less than 60 %
T. E	V	Over all	173	172	01	99	57.55	73	42.44	30 (17.4 4 %)	50 (29.0 6 %)	19 (11.04 %)

**Year 2014-15 (May 2015) –Term II M.E (EXTC) - SEM II**

**Result Analysis**

Year	Sem	Tot. no of students	Students Appeared	No. of students Absent	Tot. no of students passed	% of passed Students	Tot. no of students failed	% of failed Students
M.E	II	18	17	01	11	64.70	06	35.29

**Year 2014-15 (May 2015) –Term II, B.E- SEM VIII**

**Result Analysis**

Year	Sem	Div	Tot. no of students	Stude nts Appeared	No. of stud ents Absent	Tot. no of stud ents passed	% of passed Students	Tot. no of stud ents failed	% of failed Stud ents	Tot. no of stud ents in Dist.	No. of stud ents in Ist class	Less than 60 %
B. E	VI II	Ove rall	161	161	00	145	90.0 6	16	9.93	38 (23.6 0%)	74 (45.9 6%)	33 (20.4 9%)



**Year 2014-15 (May 2015) –Term II, S.E- SEM IV**

**Result Analysis**

Ye ar	Se m	Div	Tot. no of stu dents	Stude nts Appe ared	No. of stu dents Abse nt	Tot. no of stu dents pass ed	% of pas sed Stud ents	Tot. no of stu dents faile d	% of faile d Stud ents	Tot. no of stu dents in Dist.	No. of stu dents in Ist class	Less than 60 %
S. E	IV	Over all	149	147	02	96	65.3 0	51	34.6 5	44 (29.9 3%)	43 (29.2 5%)	09 (6.12 %)

**Year 2014-15 (May 2015) –Term II, T.E- Sem VI**

**Result Analysis**

Ye ar	Se m	Div	Tot. no of stu dents	Stude nts Appe ared	No. of stu dents Abse nt	Tot. no of stu dents pass ed	% of pas sed Stud ents	Tot. no of stu dents faile d	% of faile d Stud ents	Tot. no of stu dents in Dist.	No. of stu dents in Ist class	Less than 60 %
T. E	VI	Over all	168	168	00	112	66.6 6	56	33.3 3	28 (25.0 0%)	63 (56.2 5%)	21 (18.7 5%)

**Year 2014-15 (DEC 2014) –Term I M.E (EXTC) - SEM I (CBGS)**

**Result Analysis**

Year	Sem	Tot. no of students	Students Appeared	No. of students Absent	Tot. no of students passed	% of passed Students	Tot. no of students failed	% of failed Students
M.E	I	18	17	01	12	70.58	05	29.41



**M.E (EXTC) - SEM I (DEC 2014) Subject wise Result Analysis**

<b>Subject</b>	<b>Name of the faculty</b>	<b>No. of students passed</b>	<b>% of result</b>
VLSI & Mixed Signal Ckts & System	Dr.D.J Pete	14	82.35
Digital Signal processing & Its Application	Mr.G.B Lohiya	13	76.47
Statistical Signal Analysis	Mrs. A.J Nirmal	15	88.23
Optical Fiber Communication	Mrs. U.S Pacharaney	17	100
Embedded Systems	Mrs.P.N Jain	17	100

**ANNENURE: LABORATORY DETAILS**

<b>Sr. No</b>	<b>Name of each laboratory / Workshop</b>	<b>Carpet area available in sq m</b>	<b>Facilities / Equipments available</b>	<b>Model / Serial Number</b>	<b>Quantity</b>	<b>Amount</b>
1	Electrical Machines & Instruments Laboratory	70 sq m	Regulated Dual Power Supply [0-30 V](05)	7642/ 0994/05 LQ6324/ 05512549/03389002 LD3202/ 0608293/94	02 02 02	7608.00 19758.00 19972.00
			Regulated Single Power Supply [0-30 V]	L3201/ 0551197	01	4589.40
			Function Generator	2009/ 0032120/18 MSG3M/914526/21	02 02	18404.00 15300.00
			20 MHz CRO	3305/9945112/115	02	31790.00
			25 MHz CRO	3802/0612165	01	14754.46



			30 MHz CRO	3706C/0037116	01	18970.00
				3706C/914233/37	02	34870.00
			Rheostat	----	06	2400.00
			Power Analyzer	----	01	21030.00
			Integrated Triggering Circuit	----	01	12000.00
			Ohm Meter	----	01	2925.00
			Tachometer	----	02	13780.00
			Clamp Meter	----	01	4293.00
			3-phase Dimmer	----	01	10377.00
			Speed Control of DC Motor set	----	01	6106.00
			Cabinet for Converter Kit	----	06	7020.00
			Isolation Transformer	----	02	2700.00
<b>Total Cost :-</b>					<b>268646.86</b>	

Sr. No.	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
2	Communication Laboratory	70 sq m	Power Supply 30V/2A	7211- 990/8,990/6	02	4400
			Dual Power Supply (0-30V) /2A	LD 3202-0608290,91	02	19893.6
			Single Power supply	L3201-0551194,95	02	9178.8
			Prog. Dual PS	LQ 3624P-	05	72000



			914014,15,17,18,19		
		Function Generator 1MHZ	2014D-9922042,48, 2011-9527094	03	22478.5
		3 MHZ Function Generator / Pulse generator	2104-9416007	01	18098
		1 MHZ Digital sine/square signal generator	2011-9426012	01	7405.2
		2MHZ Function Generator (AM/FM)	FGM2M-0447219,20	02	18852
		2MHZ Function Generator	FGM2MD-0612062	01	6925
		Function Generator 3 MHz	MSG3M- 914520,22,23,24,25	05	42130
		30 MHZ CRO	3706C-0334307	01	18970
		25 -MHz CRO	3324- 595/781,595/783,595/7 86,594/417	04	60968.00
		25 MHz CRO	3802-0612158,59,60	03	44263.38
		30 MHZ CRO	3706C- 9142434,38,39,41,45	05	87175
		Color pattern generator	ST-2670-110866	01	14600

Sr. No.	Name of each laboratory / Workshop	Carpet area availab le in sq m	Facilities / Equipments available	Model / Serial Number	Quanti ty	Amount



2	Communication Laboratory	70 sq m	Color T.V trainer kit	ST 2651	01	25400		
			Antenna system trainer	0206419	01	88000		
			Satellite Com. Trainer kit	020626	01	92000		
			DSO	36060DC-061220060109	01	47068.33		
			Spectrum Analyzer	SA3011-612003	01	65000		
			Acer PC	UDVD95S1206366 9207,42,51,61	04	90664		
			Data formatting & Carrier modulation kit.	----	01	14190		
			Error detection & Correction kit.	----	01	10320		
			DSB/SSB Am Transmitter Kit	----	01	9712		
			DSB/SSB Receiver Kit	----	01	9712		
			Frequency Modulation & Demodulation Kit	----	01	12487		
			Sampling & Reconstruction	----	01	6393		
			PAM-PPM-PWM Mod. & Demod. kit	----	01	9375		
			Pulse Amplitude Modulation & Demodulation Trainer	----	01	7600		
			Delta modulation	----	01	6500		
			Pulse Code Modulation	----	01	7500		
					<b>Total Cost :-</b>	<b>949258.81</b>		

Sr	Name of each	Carpet	Facilities / Equipments	Quantity	Amount
----	--------------	--------	-------------------------	----------	--------



No	laboratory / Workshop	area available in sq m	available		
3	VLSI Laboratory	73.5 sq. m.	Zenith PC (16)	16	2,16,000.00
			LX-300 Printer (01)	01	10,500.00
<b>Total Cost :-</b>				<b>226500</b>	

Sr No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Quantity	Amount
4	Computer Laboratory 1	73.5 sq. m.	Zenith PC (42)	42	5,67,000.00
			LX-300 Printer (04)	04	42,000.00
			HP LaserJet 1020 Printer (01)	01	10,000.00
			Dell PC (30)	30	4,95,000.00
<b>Total Cost :-</b>				<b>1114000</b>	

Sr No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
5	Workshop Laboratory	70 sq. m.	25 MHz CRO	3304 5941419,594/414	02	29418.00
			20 MHz CRO	3305 9945114/115/116	03	47697.00
			30 MHz CRO	3706C 37119	01	18970.00



Digital Storage Oscilloscope [60 MHz] (01)	36060DC	01	47068.00
Function Generator (1 MHz)	2011 9527101	01	7110.00
Function Generator (2 MHz)	2019 193/9	01	2330.00
Function Generator (3 MHz)	2009 0032116	01	9202.00
Regulated Power supply	7103 1291/2	01	6776.00
Dual Power supply (0-30V,2A)	<b>7215</b> 0892/08 <b>7111</b> PO289/03, 487/15, 487/16, 487/17, 0986/10 <b>7101</b> PO890/08	01 05 01	8774.00 51186.00 10237.00



Sr No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
			PCB Lab Microcontroller Development Board with Programmer	NV5001/ NV1801	02	1,75,150.00
			VLSI Trainer Kit	ST102D 111128 to 111132	05	32500.00
			CPLD Developer Kit	ST105D 0001 to 0003	03	37500.00
			PC Based 32channel Logic Analyzer	-----	01	37064.00
			Zenith PC	Intel, Pentium	05	67500.00
			Printer EPSON	LQ-300+	01	10500.00
<b>Total Cost :-</b>						<b>5,98,982.00</b>

Sr No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
6	Electronics Circuit Analysis & Design Laboratory	70 sq. m.	Dual power supply(0-30V)/2A	7642/0994/12	01	8510.00
			Triple Power Supply [±15 V,0-30V]	LQ6324 0039311/12/13/14 /15/18, 0551260/61	06	59244.00
			Dual Power Supply (0-	LD3201	02	18104.00



Facilities / Equipments available	Model / Serial Number	Quantity	Amount
Software	PSPICE - ORCAD University Complete Bundle which includes <ul style="list-style-type: none"><li>• ORCAD Capture</li><li>• CIS Option</li><li>• PSPICE A/D (Circuit Simulation)</li></ul>	05 Users	290000.00
30V)/2A	H708038/040 HOI— 4121,4122,4123,4126	05	77625.00
Function Generator 2MHZ	FG2MD 0332130/31/32/33/34 /35 H—0908401/402	06 02	40800.00 10408.00
Function Generator 1MHZ	2014D 9922044 / 45	02	14985.00
30 MHz CRO	3706C 0334308/09/10/12, 034108,037117/35	07	132794.00
20 MHz CRO	3305/0334313	01	15899.00
25 MHz CRO	3802 DIO--8422/423	02	27550.00
DMM (4 ½ Digit) True RMS	1085 DIO---4011 to 4020	10	59500.00
5 IN 1 Test Lab	3744/0601004	01	35896.00
9 IN 1 Test Lab	40490552026	01	37424.00



		<ul style="list-style-type: none"> <li>• Advance Analysis Option</li> <li>• SLPS Option (MATLAB Integration)</li> <li>• PCB Editor/ Design</li> <li>• High Speed Constraint Manager</li> <li>• 6 Layer Auto router and Signal Integrity</li> </ul>			
		Zenith PC	Intel, Pentium	5	67500.00
		Printer EPSON	LQ-300+	01	10500.00
<b>Total Cost :-</b>				<b>9,23,133.00</b>	

Sr. No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
7	Instrumentation Systems Laboratory	70 sq m	Dual Power supply 0-30/ 2A	994/14,990/14	2	17549.42
			Dual power supply	LD 3202-914115,20,24	4	62100
			Dual Trace CRO	3706C-914232.36,40,42	4	69740
			DSO	36060DC-61220060145	1	47068.33
			Dual Trace CRO	3304-594/420,3324-595/782,3305-99451117	3	45850.25
			Dual Trace CRO	3802-0612161,162,163	3	44262.38
			D.T.O. Trainer with DMM	3303TM-0529009	1	19215
			Function Generator 1 MHz	2014D-9922046	1	7492



3 MHz Function Generator	2009-32114	1	9202
3 MHz Function Generator	FG2MD-0612063,64	2	13850
3 MHz Function Generator	MSG3M-914527,28,29,30	4	30600
LCR Meter	4910-0029091	1	14561
Synchro control trans / rev kit	-	1	8910
Potentiometer error detector	-	1	5400
A.C. servo meter chara. Trainer	-	1	10710
Instru. Amplifier	-	1	3150
PID Controller	-	1	10710
Strain Gauge	-	1	6750
Microwave test bench	NV201,202,203& NV103D	1	47200
Acer PC	UDVD95S12063669212, 44,60,84	4	90664
<b>Total Cost :-</b>			<b>5,64,983.00</b>

Sr No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount



8	Basics of Electrical & Electronics Engineering Laboratory	73.5 sq m	30 MHz CRO	3706/ 99451118/ 0037118	02	37941.20
			25 MHz CRO	3802 / 0612168	01	14754.46
			20 MHz CRO	3305/ 9945111	02	31790.00
			Function Generator	2009/ 0032115/ 0032121/ 0026091/	03	27606.90
			Rheostat	----	08	62000.00
			AC Watt meter	----	10	19475.00
			µAmmeter [0-100 µA]	----	10	10687.00
			µAmmeter [0-50 µA]	----	03	
			mAmmeter [0-100mA]	----	40	44460.00
			AC Ammeter [0-2.5/5 A]	----	10	9832.00
			3 Phase Dimmer	----	01	10377.00
			1-phase Dimmer	----	06	11412.00
			Regulated Dual Power Supply [0-32 V]	LQ6324/ 0039309/ 310/ 389/ 316  LD3202/ 914114, 117/127/118	06  04	59274.00  62100.00
			Regulated Single Power Supply [0-32 V]	L3202/ 32021014/ 226	03	23700.00



---

			1 Ph Watt meter [150/300/600]	----	10	19475.00
			1 Ph Ac meter [5/2.5 A]	----	10	9832.00

					Total Cost :-	4,54,716.56
Sr No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
9	Power Electronics Laboratory	73.5 sq m	SCR characteristics kit	----	01	3643.00
			SCR full bridge controlled rectifier kit	----	01	8845.00
			SCR full / half control rectifier kit	----	01	8845.00
			SCR parallel inverter kit	----	01	8845.00
			SCR series inverter kit	----	01	8845.00
			Jones Chopper kit	----	01	8845.00
			TRIAC-DIAC-LIGHT dimmer fan regulator kit	----	01	3643.00
			TRIAC / DIAC characteristics kit	----	01	3643.00
			Inverter kit	----	01	8100.00



		SMPS trainer kit	----	01	4800.00
		UPS trainer kit	----	01	9451.00
		30 MHz CRO	3706C/ 914244/243/325	03	52305.00
		Regulated Dual Power Supply [0-32V]	LD3202/314119/116/0 16	05	54750.00
		Programmable Dual DC Power Supply [ $\pm$ 15V]	LQ6324P	01	14400.00
<b>Total Cost :-</b>					<b>198960.00</b>

Sr. No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Model / Serial Number	Quantity	Amount
10	Digital Design and Microprocessor Laboratory	73.5 sq m	IC Tester	4027-9915009	01	18022.00
			Low distortion sine/square signal generator	2014-0992/20	01	4054.66
			1 MHz function generator/counter	2011-9426011,9426010	02	7110.33
			2 MHz function generator	FG2MD-0612065,66	02	13850.40
			Regulated power supply	7103-1291/3	01	6776
			Dual digit PS 5 V	7211- 79417, 794/18,794/20	03	6087
			Dual PS	7642-1195/69	01	8510.20



Dual PS +-15V	LD3202-0608292	01	9946
Single Power Supply	L3201-0551196	01	4589.40
25 MHz DTO	3304-594/410,3324-595/789,3802-0612164	03	44705.58
S.T.2611 Digital lab on board		09	55688
Educational Trainer Kit		02	16039
XPO -85/ 16-2 8085 Kit		08	81711
Microcontroller Development Kit		05	35800
Arm Dev. Board		05	40000
Printer EPSON LQ-300+		01	10500
Zenith PC		08	108000
<b>Total Cost :-</b>	<b>471389.57</b>		

Sr. No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Quantity	Amount
11	PG Laboratory - 1	70 sq. m.	Zenith PC (20)	20	2,70,000.00
			LX-300 Printer (01)	01	10,500.00
<b>Total Cost :-</b>			<b>2,80,500.00</b>		



---

Sr. No	Name of each laboratory / Workshop	Carpet area available in sq m	Facilities / Equipments available	Quantity	Amount
12	PG Laboratory - 2	73.5 sq. m.	Zenith PC (08)	06	1,08,000.00
<b>Total Cost :-</b>					<b>1,08,00.00</b>



---

### ANNEXURE: STUDENTS PROGRESSION

The following are some of the sample admit cards the students got.

November 23, 2016

Tejashree Pandit  
Flat No.15 Krishna Bldg Mukand  
Society  
Thane, 400601  
INDIA

Congratulations! You have met the requirements for admission to the graduate program in Information Technology and Management at The University of Texas at Dallas' Naveen Jindal School of Management beginning this 2016 Fall semester. We share your excitement as you begin this next stage in your educational career. The Jindal School of Management Academic Advisors will be here to assist you with any questions or concerns you may have regarding your academic progress throughout the course of your program.

Please note that as a graduate student, you carry certain responsibilities that may not have been present in your undergraduate experience.

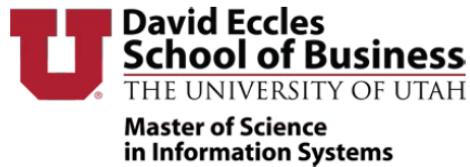
- Plan time to visit the Advising Office to review the requirements of your degree plan and to remove your advising hold. Please try to plan several visits while you are a student.
- Be aware of the information contained in the Graduate Catalog and on the Academic Calendar, both of which are available online. Failure to read them does not exempt you from the rules and regulations therein pertaining to your academic experience.
- You will also receive information about the Jindal School of Management's Graduate Orientation program, please make it a priority to attend this important event.
- When you reach the final semester of degree plan requirements you must fill out a graduation application by the posted deadline of your graduating semester. Failure to apply for graduation by the applicable deadline will result in a semester's delay in your graduation.

Our faculty and staff look forward to assisting you during your educational journey. We are confident that your experience at UT Dallas will include a welcoming environment, an intellectual challenge and a first-rate faculty in your field of study.

Sincerely,

Monica Powell - Associate Dean, Graduate Programs  
Naveen Jindal School of Management

UTD-ID: 2021319301



February 1, 2016

Shruti Karvande  
A2/22, Runwal Nagar, Kolbad Road  
Thane (West)  
Thane, India 400601

Dear Shruti,

We are pleased to notify you of your acceptance into the Master of Science in Information Systems program at the David Eccles School of Business at the University of Utah for the class starting fall 2016.

In reviewing your application, we feel your credentials meet the high standards we have set for our MSIS students. We are confident that you have the background to make successful contributions to the MSIS program and ultimately to your own future. In return, you have our commitment to provide you with an exceptional learning environment offering both classroom excellence and unique experienced-based programs that will prepare you for a successful career upon graduation.

Enclosed in this packet is information regarding how to accept your seat in the program. Your intent to enroll form and seat deposit are due by **February 26, 2016**. A non-refundable seat deposit of \$800 is required to ensure your place in the entering class.

Please note that procedurally, your official letter of admission and student ID number will come from the University of Utah Graduate Admissions Office pending transcript verification. It may take from 4-6 weeks to receive this information after submitting your seat fee. Prior to receiving your official admission you can work with your academic advisor to plan your courses.

Congratulations again on your admission to our Master of Science in Information Systems. We welcome you and look forward to having you as part of our graduate program. Please feel free to contact our admissions team at 801-581-7785 for assistance or help with any questions regarding your admission to the MSIS program.

Sincerely,

Andrea Miller  
Director of Graduate Admissions  
University of Utah / David Eccles School of Business  
801-585-7785  
[Andrea.miller@eccles.utah.edu](mailto:Andrea.miller@eccles.utah.edu)



# R·I·T

Rochester Institute of Technology

February 12, 2016

Suresh Siripuram  
202 Ekdant Apts  
Kisan Nagar 3 Road No 16  
Wagle Estate  
Thane, MH 400604  
IND

Graduate Enrollment Services  
Bausch & Lomb Center - Room A130  
58 Lomb Memorial Drive  
Rochester, NY 14623-5604  
585-475-2229 Fax: 585-475-7164  
[www.rit.edu](http://www.rit.edu)

Dear Suresh:

It is my pleasure to inform you that our Graduate Admissions Committee has granted you admission to the Computer Science, MS program beginning with the 2016-17 Fall term. This offer recognizes your past accomplishments and, especially, your extraordinary academic promise.

Please be aware that your admission has been granted subject to meeting conditions outlined on the enclosed Bridge Program guide.

To accept our offer of admission, please pay the \$300.00 Advance Tuition Deposit. This reserves your place in the program, allows you to apply for campus housing, and access online resources. Your academic department will provide you with registration procedures and course schedules. After you have paid the tuition deposit, your existing RIT Account will transition to a full student account.

Please read the enclosed information carefully. Your understanding of the instructions and deadlines within this material will enable faculty and staff to assist you effectively as you make plans to join us at RIT. If any questions arise regarding your admission, we are available to help you. Please check our website [[www.rit.edu/grad](http://www.rit.edu/grad)], contact us at [gradinfo@rit.edu](mailto:gradinfo@rit.edu) or call us at the number listed above. From this point on, we will send you a series of emails containing important information about your admission to RIT. Be sure to add [gradinfo@rit.edu](mailto:gradinfo@rit.edu) to your "allowed" emails section of your email system.

I extend to you my congratulations and wish you the best as you finalize your plans to continue your education at RIT.

Sincerely,

*Diane Ellison*

Diane M. Ellison  
Associate Vice President  
Graduate Enrollment Services

University ID: 620002270



Ref: TCSL/CT20151446438/861481/Mumbai

Date: 09-11-2016

MS. ADITI SHRIKAR DESHPANDE  
101,Sudama Nandan Bhagat Wadi,Ayre Road,  
Tukaram Nagar, Dombivli,  
Maharashtra-421201.  
Tel# 9029360784

**Sub: Joining Letter**

Dear Ms. Aditi Shrikar Deshpande,

Welcome to TATA Consultancy Services Limited (TCSL). We are glad that you have accepted our offer and look forward to you being a part of our family.

We are pleased to inform you that your Initial Learning Program (ILP) at TCSL will commence on **26th December 2016 at Trivandrum**. You are requested to report at the address detailed below on **26th December 2016 at 08:30 AM**.

Tata Consultancy Services Ltd.  
Peepul Park,Technopark Campus,  
Kariyavattom P.O.,  
Trivandrum, Kerala-695581.

(Route map of the ILP Centre can be viewed on TCS NextStep>>ILP Corner>>ILP Centres)

Contact Person: Ms. Sinu Bhaskaran Nair Nirmalabhavan  
Phone: 914716629400  
Email Id: s.nirmalabhavan@tcs.com  
(Contact Hours: Monday - Friday, 9 AM to 6 PM)

Please download the Joining Letter Annexure (TCS NextStep>>ILP Corner>> Joining Letter) detailing the formalities to be complied with prior to the commencement of your learning.

**Initial Learning Program (ILP)**

Learning is a way of life in TCSL and Initial Learning Program (ILP) will add value to your professional life and will open a world of opportunities.

**ILP Phase I**

The first phase of ILP is specially designed to inculcate programming rigor and to build a process mindset. The soft skills module of ILP would help in grooming you become a world class professional. On successful completion of this phase of ILP, you would move to the next phase

Private and Confidential

**TATA CONSULTANCY SERVICES**

Tata Consultancy Services Limited

Akruti Business Port Gateway Park Road NO.13 MIDC Andheri Mumbai 400 093 India

Tel 91 22 6779 6868 Fax 91 22 6779 6855 Website [www.tcs.com](http://www.tcs.com)

Registered Office Nirmal Building 9th Floor Nariman Point Mumbai 400 021

Page | 1



**Yadav, AniketAnil**

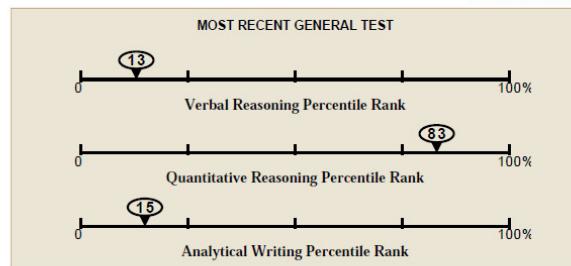
### Examinee Score Report

Note: This report is not valid for transmission of scores to an institution.

Last (Family/Surname) Name, First (Given) Name, Middle Initial

Print Date: 11/30/2014

Address:	1-3,D-15,OMKAR C.H.S.,SECTOR-10 AIROLI NAVI MUMBAI, 400708
Email Address:	aniketyadav2010@gmail.com
Phone Number:	9920589966
Date of Birth:	11/10/1992
Social Security Number (last 4 digits):	
Gender:	Male
Intended Graduate Major Code:	1204
Intended Graduate Major:	Engineering – Electrical and Electronics - Electronics Engineering
Most Recent Test Date:	10/23/2014
Registration Number:	7252131



All dates are formatted as MM/DD/YYYY.

This score report includes all of your General Test and Subject Test scores earned from July 1, 2008 to the present. Only reported scores are available for display.

#### General Test Scores

Test Date	Verbal Reasoning*				Quantitative Reasoning*				Analytical Writing	
	Prior Format		Current Format	% Below	Prior Format		Current Format	% Below	Score	% Below
10/23/2014	Scaled Score	Estimated Current Score	Scaled Score	% Below	Scaled Score	Estimated Current Score	Scaled Score	% Below	162	83
			141	13					3.0	15

NS - No Score. Indicates that no questions were answered.

\* The GRE Verbal Reasoning and Quantitative Reasoning score scales changed in August 2011. For tests taken August 2011 or later, scores are printed in the "Current Format" columns. For tests taken before August 2011, scores on the prior scales and the corresponding estimated scores on the current scales are printed in the "Prior Format" columns.

#### Subject Test Scores

Test Date	Test Name / Subscore Name	Scaled Score	% Below

#### Score Recipient(s)

Your score reporting history is shown below. "Pending" indicates your scores are not yet available, or your order has not yet been processed.

Undergraduate Institution		Report Date	Institution (Code)	Department (Code)	Test Type	Test Date

#### Score Recipient(s)

Report Date	Institution or Fellowship Sponsor (Code)	Department (Code)	Test Type	Test Date
11/28/2014	Rutgers St U New Brunswick (2790)	NONE ()	General Test	10/23/2014
10/31/2014	Georgia Inst Technology (5248)	NONE ()	General Test	10/23/2014
10/31/2014	North Carolina St U (5496)	NONE ()	General Test	10/23/2014
10/31/2014	U Florida (5812)	NONE ()	General Test	10/23/2014
10/31/2014	Arizona State U (4007)	NONE ()	General Test	10/23/2014

\* Undergraduate Institution does not wish to receive scores

\*\* Score recipient not valid/active

#### QUESTIONS ABOUT THIS GRE EXAMINEE SCORE REPORT

Information to help you interpret your GRE scores is available at [www.ets.org/gre/stupubs](http://www.ets.org/gre/stupubs). If you have any questions concerning this GRE Report of Scores, call ETS at 1-609-771-7679 or 1-866-473-4373 (toll free for test takers in the U.S., U.S. Territories\*, and Canada) between 8:00 a.m. and 7:45 p.m. EST or email [gre-info@ets.org](mailto:gre-info@ets.org). For information about interpreting your scores, consult *Interpreting Your GRE Scores*, which is available at [www.ets.org/gre/understand](http://www.ets.org/gre/understand).

\*Includes American Samoa, Guam, Puerto Rico, and U.S. Virgin Islands

#### SCORE REPORTING

Policies pertaining to score reporting and use are periodically reviewed and revised by the GRE Board. The policies and procedures explained in the 2013-14 *GRE Information and Registration Bulletin* are effective only for the time period of August 1, 2013 to June 30, 2014 and supersede previous policies and procedures in previous bulletins. GRE scores are reportable for five(5) years following the testing year (July 1 to June 30) in which you tested. Currently, GRE scores earned after July 1, 2008 are available.

#### PERCENTILE RANK (% BELOW)

The percentile ranks in this report indicate the percentage of examinees who scored below your score. Note that these percentile ranks may be different from those that applied when the scores were originally reported to you if the scores were earned prior to July 2013. This reflects annual updating of these data to permit admissions officers to compare scores, whenever earned, with those for a recent reference group.

#### RETAKING A GRE TEST

You can take the GRE revised General Test once every 21 days, and up to five times within any continuous rolling 12-month period. This applies even if you canceled your scores on a test taken previously.

You may take the paper-based GRE revised General Test and GRE Subject Tests as often as they are offered. Note: This policy will be enforced even if a violation is not immediately identified (e.g., inconsistent registration information) and test scores have been reported. In such cases, the invalid scores will be canceled and score recipients will be notified of the cancellation. Test fees will be forfeited.

#### SCORES NOT REPORTED

"Scores Not Reported" is listed in the Report Date column of the Score Recipients section of your score report if one of three scenarios occurs:

- You requested scores to be sent to an undergraduate institution that does not receive scores.
- The code for the graduate institution you designated to receive scores is no longer active.
- Your reportable score record does not include scores for the requested test.



---

**List of Publications by A. S. Londhe**

1. "Receding Horizon Control for Stable and Minimum Phase System" , International Conference on Global Technology Initiatives organised by Rizvi College of Engineering, Bandra (West), Mumbai on 29th and 30th March 2012 [Pages : C67 – C71], ISBN Number: 978-93-5067-450-5,ISSN Number: 2277 – 6591.
2. "Microcontroller Based Gamma Radiation Monitoring System", National Conference on Advanced Trends in Engineering organised by ISTE-DMCE, Student Chapter & Electronics Engineering Department, Navi Mumbai on 12<sup>th</sup> and 13<sup>th</sup> March 2016.

**Mrs.A.J.NIRMAL**

3. "Content based Image Retrival and Indexing using Color and Texture Features", National Conference on Emerging Trends in Computer Technology, Dept of Computer Engineering SCOE, Kharghar 21-22<sup>th</sup> December 2009.
4. 2) "Image Retrival Issues and Challenges" National Conference on Recent Trends in Engineering and Technology 30-31<sup>st</sup> Oct 2009 Agnel Polytech Vashi.
5. "Color and Texture Features for Content Based Image Retrival" International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering and Technology,25-26<sup>th</sup> Feb 2011
6. "Speaker Identification using Artificial Neural Network" International Conference on Electronics and Computing Technology, K.C. College of Engineering, Thane, 12-13<sup>th</sup> March 2015.
7. "Signaling System with Safty Mechanism and Train Tracking" National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13<sup>th</sup> March 2016
8. "Wireless Control of Powered Wheelchair with Tongue Motion using Tongue Drive Assistive" National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13<sup>th</sup> March 2016



---

### Student publications

#### 9. 2014-15 batch

10. "Speaker Identification using Artificial Neural Network" International Conference on Electronics and Computing Technology, K.C. College of Engineering, Thane, 12-13<sup>th</sup> March 2015.

#### 11. 2015-16 batch

12. "Signaling System with Safty Mechanism and Train Tracking" National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13<sup>th</sup> March 2016

13. "Wireless Control of Powered Wheelchair with Tongue Motion using Tongue Drive Assistive" National Conference on Advanced Trends in Engineering, Dept of Electronics Engineering, DMCE, Airoli, 12-13<sup>th</sup> March 2016

### Mrs. R.V BHASKARWAR

1. Power Harvesting using Solar, Piezoelectric plates and Door Motion, National Conference on Advanced Trends in Engineering, organized by ISTE-DMCE Student Chapter & Department of Electronics Engineering, at Datta Meghe College of Engineering, Airoli Navi Mumbai, 12<sup>th</sup>-13<sup>th</sup> March 2016.

2. Automatic Meter Reading and Load Management using PLCC, National Conference on Advanced Trends in Engineering, organized by ISTE-DMCE Student Chapter & Department of Electronics Engineering, at Datta Meghe College of Engineering, Airoli Navi Mumbai, 12<sup>th</sup>-13<sup>th</sup> March 2016.

3. AD-HOC network for Landslide and Forest Fire Detection, 2<sup>nd</sup> International Conference on Electronics and Computing Technologies (ICONET 15) at K.C College of Engineering and management Studies & Research held on 12<sup>th</sup> and 13<sup>th</sup> March 2015.

4. Railway SCADA System, National Conference on Technologies for Developing Nations,

Lokmanya Tilak college of Engineering, Koparkhairne, Navi Mumbai, 12 Oct 2013.

5. 3 G Spy &Fire fighting Robot, International conference at Yadaorao Tasgaonkar Institute of Tech. Mumbai, 22 Mar 2012



- 
6. **Study of Environmental Management system & Evaluation of its performance measures for Indian Industries**, International conference, Yadaorao Tasgaonkar Institute of Tech. Mumbai, 22 Mar 2012.
  7. **Design & optimization of S-Band Linac cavity for Cancer Treatments**, International conference, Thakur college of Engineering. Mumbai, 25 Feb 2012.
  8. **Design & optimization of Microwave Linac cavity for medical Application**, All India IEEE National Conference, BITS Pilani Campus Hyderabad, 16 Dec 2011.
  9. **Design & optimization of C-Band Linac cavity for Medical Applications**, National Conference, Shri L.R Tiwari College of Engineering , Mira Road, 11 Mar 2011.
  10. **Design & optimization of C-Band Linac cavity for Medical Applications**, National Conference, Saraswati college of Engineering, Kharghar, Navi Mumbai, 3-4 Feb 2011.
  11. **Millimeter & Submillimeter wave Devices and Applications**, National Conference, Terna Engineering college Nerul, Navi Mumbai, 16 Sept 2010.

DATTA MEGHE COLLEGE OF ENGINEERING, AIROLI

DEPARTMENT OF ELECTRONICS ENGINEERING

**Paper Publications by Faculty**

**S. N. Vaidya**

1. “Classification of Brain Tumor using Support Vector Machine Classifier” International Journal of Engineering Research & Applications. Volume 4 – Issue 3 March 2014.
- 2.”Texture Classification using GLCM & FUZZY” International Conference on Emerging Trends in Technology & its Applications. YT Institute of Engg & Technology. 6 & 7 March 2013.
3. “Biological Early Brain Cancer Detection using Haralick Features” National Conference on Advancement in Medical Instrumentation. VPMs Polytechnic Thane. 19 September 2009.



---

**4. “RF-ID Bio-Capsule” International Conference on Electronics and Computing Technologies.** Held at K C College of Engg. Thane on 12 & 13 March 2015.

**5. Fuel Less Eco Car** National Conference on Advanced Trends in Engineering held at Datta Meghe College of Engg. Airol on 12 & 13 March 2016.

**Utkarsha S Pacharaney**

1. Utkarsha S Pacharaney and Rajiv Kumar Gupta, "**Spatial Cluster Restructuring Sensor**" in International Conference on Communication and Signal Processing ,978-1-5090-0395-2/16/\$31.00©2016 IEEE.
2. Sonali Padalkar, Aditya Korlekar and Utkarsha Pacharaney, "**Data Gathering in Wireless Sensor Network for Energy Efficiency with and without Compressive Sensing at Sensor Node**", in International Conference on Communication and Signal Processing ,978-1-5090-0395-2/16/\$31.00©2016 IEEE.
3. Aditya Korlekar, Utkarsha S Pacharaney and Rajiv Kumar Gupta," **Energy Efficient Information Gathering in Wireless Sensor Network using Compressive Sensing**", in IEEE International Conference on Information Communication and Embedded System, ICICES-6012.
4. "**Design of Facial Features Based Hospital Admission Using GSM**", IEEE International Conference on Inventive Computation Technologies -August 26-27,2016
5. "**Energy Efficient Data Gathering in Wireless Sensor Networks and Internet of Things with Compressive Sensing at Sensor Node**" IEEE International Conference on Advanced Communication Control and Computing Technologies - ICACCCT'16,May 25-27, Ramanathapuram
6. "**A study on Data Coverage Protocols for Energy Conservation in Wireless Sensor Network**" ISBN:978-1-5090-1285-5 IEEE Catalogue Number:CFP 16F70-ART Print-ISBN:978-1-5090-1284-8 and IEEE Catalogue Number:CFP 16F70-PRT IEEE International Conference on Inventive Computation Technologies –ICICT 2016,Coimbatore
7. Utkarsha S Pacharaney et.al ,"**Smart Wireless Surveillance Monitoring System Using Raspberry Pi**", in NCATE2K16



- 
8. Utkarsha S Pacharaney et.al ,”**Smart Portable Device for Students Profile Management and Attendance System**”, in NCATE2K16
  9. Utkarsha S Pacharaney and Rajiv Kumar Gupta, ”**Clustering for Energy Efficient Transmission in Wireless Sensor Network using Compressive Sensing** ”, in International Journal of Technical Research and Applications e-ISSN:2320-8163, www.ijtra.com Special Issue 31(September 2015) pp 274-277.
  10. **A Robust Real--Time Computer System for Automatic Target Tracking**, International Journal of Research in Computer & Communication Technology, Vol-2, Issue No 12, Page No 1480-1484, December 2013.
  11. **Dimensionality Reduction for Fast and Accurate Video Search and Retrieval in a Large Scale Database**, 4th International Conference on Engineering, Vol-1, Page No 74, Nov-2013
  12. **High Altitude Platform Wireless Communication for Next Generation**, International Conference and Workshop on Electronics and Telecommunication, Vol-1, Page No 94, Feb 2013
  13. **Motion Detection in Handheld Devices Using Horn Schunck Algorithm**, International Conference and Workshop on Emerging Trends in Technology, ISBN Number: ISBN No. 973-80864-47-3/ ISBN No 978-0-615-58717-2, Feb 2012
  14. **Motion Sensing in Mobile Phone**, International Conference, Vol-2, Page No 302, Feb 2011
  15. **Gesture Recognition and Motion Estimation in Mobile Phone Using Build-in- Camera**, National Conference, Vol-1, Page No 381, March-2011
  16. **Motion Detection in Mobile Device**, International Conference on Radio Science, Vol-2, Page No 18, Dec-2010



- 
17. **Wireless Sensor Networks and its Role in Communication**, National Conference in Information & Communication, Vol-1, Page No 20, Sep-2010.

**Publications by S.M.Patil**

**National Conference: (11)**

- **Vision Based Waste Segregation System**, NCATE 2k16, Datta Meghe College of Engg. 12th-13th March 2016.
- **Visual Concept Detection of Images**, NCATE 2k16, Datta Meghe College of Engg. 12th-13th March 2016.
- **Comparison of Features in Image Retrieval for Object Recognition**, NCATE 2k16, Datta Meghe College of Engg. 12th-13th March 2016.
- **Wireless Multimedia Sensor Networks**, NCATE 2k16, Datta Meghe College of Engg. 12th-13th March 2016.
- **Human Computer Vision**, National Level Conference on Technologies for Developing Nation, LTCE, Koparkhairne, Navi Mumbai, 12<sup>th</sup> October, 2013.
- **Concept Based Image Retrieval and Indexing**, National Level Conference on Technologies for Developing Nation, LTCE, Koparkhairne, Navi Mumbai, 12<sup>th</sup> October, 2013.
- **A Real Time Approach Based On Tracking-Learning-Detection**, SPANDAN 2013, National Conference On Advances in Engineering, Technology, and Applied Sciences, YCCE, Nagpur, 15 – 16 March, 2013
- **Video Clustering using MATLAB and JAVA**, IETE zonal seminar cum conference on Technological convergence, Navi Mumbai, 4 - 5 May, 2012.
- **Image Compression Using SPHIT**, National Conference on Computing, Communication & Electronics (NCCE-08) Jalgaon, 8th & 9th Feb 2008.
- **Finger Print Detection and Automatic Speech Recognition System**, NCTIAC-2007, DMCE, Navi Mumbai, 28-29 December 2007, Page A-11.
- **Image Compression using SPHIT and Comparison using various Wavelet filters**, NCTIAC-2007, DMCE, Navi Mumbai, 28-29 December 2007, Page A-10

**International Conference: (06)**

- **Current Mode Transmitter for Communication System**, 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT)RajarshiShahu College of Engineering, Pune India. Dec 2-3, 2016  
**(978-1-5090-3662-2/16/\$31.00 ©2016 IEEE)**



- **Design and Implementation of Communication Interface For Machine to Machine Based Data Acquisition and Monitoring System, ICEC(equinox 2015), TEC, Nerul, 30<sup>th</sup> September, 2015.**
- **Light Fidelity (Li-Fi) – The Future Technology in Wireless communication, ICRAESM, ISBN: 978-81-931039-5-1, New Delhi, 30<sup>th</sup> August, 2015.**
- **An Overview of MPLS Technology for a Third Generation Transport Network Using Label Switching, ICRTCEE, Shah and Anchor Kutchhi Polytechnic, Chembur, 11 January 2014.**
- **Performance Evaluation of Wavelet Filters for Image Compression Using SPHIT, SPIT-IEEE Colloquium and International Conference, SPIT, Andheri, Mumbai, 4 – 5 February 2008.**
- **Protection Against data Drop, An Enhanced Security Model of Authentication Protocol for Ad-Hoc N/W, EESCO-2015, ISBN: 978-1-4799-7676-8, 24-25<sup>th</sup> January, 2015.**

**International Journal: (05)**

- **Implementation of WSN based Smart Sensor and Actuator for Power Management in Intelligent Buildings, IRJET, e-ISSN 2395-0056 p-ISSN: 2395-0072, volume 3 Issue 5 May 2016.**
- **Light Fidelity (Li-Fi) – The Future Technology in Wireless communication, IJEEE, ISSN: 2321-2055, July – December, 2015.**
- **EAACK, SECURE IDS FOR MANET BY USING CRYPTOGRAPHIC ECDSA ALGORITHM, IJSCMA, Volume 2, Issue 12, ISSN: 2321-8363, December, 2014.**
- **A Review of ‘Manet’s Security Aspect and Challenges With Comprehensive Study of Sids for Discovering Malicious Nodes, IJISET, volume 1, issue 6, August 2014.**
- **Object Tracking Based on Tracking-Learning-Detection, IJSER, volume 4, Issue 3, March 2013.**



### Departments of Civil Engineering

1. **Name of the department:** Department of Civil Engineering
2. **Year of Establishment:** 1988
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

Sr. No.	Programme	Year of establishment
1.	Undergraduate : B.E. (Civil)	1988
2.	Undergraduate : B.E. (Civil) Second Shift	2013
3.	Postgraduate : M.E. (Civil with structural engineering subjects)	2010
4.	Ph.D. (Civil Engineering)	2011

4. **Names of Interdisciplinary courses and the departments/units involved:**

Courses taken by other department faculty, and the department involved are as listed below:

Sr.No.	Name of Department Involved	Name of the Subject	Year and Semester
1	Computer Engineering	Databased Information Retrieval System (DIRS)	SE (CIVIL ) SEM -III

5. **Annual/Semester/Choice based credit system (programme wise):**

Sr. No.	Programme	Evaluation System	
1	Bachelor of Engineering (B.E.)	i)	For FE Choice Based Credit Grading System (CBCGS) from academic year 2016-17. Examinations conducted semester wise.
		ii)	For SE/TE/BE Credit Based Semester Grading System (CBSGS) from academic year 2012-13. Examinations conducted semester wise.
2	Master of Engineering (M.E.)	i)	Choice Based Credit Grading System (CBCGS) from academic year 2016-17. Examinations conducted semester wise.



		ii) Credit Based Semester Grading System (CBSGS) from academic year 2012-13. Examinations conducted semester wise.
3	Ph. D.	Annual based Credit System

**6. Participation of the department in the courses offered by other departments:**

Sr. No.	Courses	Offered to Department
1	Engineering Mechanics	F.E.
2	Engineering Drawing/Graphics	F.E.
3	Ph.D. Course Work	Mechanical Engg. & Computer Engg.

**7. Courses in Collaboration with other universities, Industries, Foreign institutions, etc.:  
Nil**

**8. Details of courses /Programmes discontinued (if any) with reasons: Nil**

**9. Number of Teaching Posts**

\* E- Even, O- Odd

SEM	YE AR	Professors			Associate Professors			Assistant Professors			TOTAL FACUL TY	
		Req.	Available		Re q.	Available		Req.	Available			
			REG	AD HOC		REG.	AD HOC		REG.	AD HOC		
E17	2016	4	2	0	9	1	0	28	12	26	41	
O16	-17	4	2	0	9	1	0	28	14	30	47	
E16	2015	4	2	0	8	1	0	25	14	22	39	
O15	-16	4	2	0	8	0	0	25	14	17	33	
E15	2014	3	2	0	7	0	0	22	13	17	32	
O14	-15	3	2	0	7	0	0	22	13	14	29	
E14	2013	3	2	0	6	0	0	19	14	11	27	
O13	-14	3	2	0	6	0	0	19	12	12	26	



10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

July 2013							
Seri al No.	Name of the Teacher		Qualificatio n	Designation	Specializat ion	No. of Years of Experie nce	No. of Ph.D /M.E. Stude nts guided
1	Dr.	Katti Anand Ramanath	PhD	Professor	Geosynthe tic	22	2
2	Dr.	Chore Hemant Sharad	PhD	Professor	Structures	19.5	18
3	Dr	B.S. Asha	PhD	Assistant Professor	Geotechnic al	20	0
4	Mr.	Barbudhe Prashant Ramdas	M.Tech.	Assistant Professor	Structural	24	4
5	Mr.	Dode Prasadkumar Avinash	M.E.	Assistant Professor	Environme ntal	23	4
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	26	2
7	Mr.	Kolisetty Ramakrishna Venkateswar lu	M.E.	Assistant Professor	Town Planning	24	0
8	Mr.	Mohammad Rafique	M.E.	Assistant Professor	Structural	20	0
9	Mr s.	Patil Smita Bhushan	M.E. (Ph.D Pursuing)	Assistant Professor	Environme ntal	8	0
10	Mr s.	B.Manjula Devi	M.E.	Assistant Professor	Structural	8.5	0
11	Mr s.	P. Kousitha	M.Tech.	Assistant Professor	Geotechnic al	4	0
12	Mr.	Dhanuskar Jagdish Rameshrao	M.Tech.	Assistant Professor	Structural	3	0
13	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	11	0



14	Mr s.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	WRE	4.5	0
15	Dr. (M rs.)	Patil Vandana Gangadhar	PhD	Assistant Professor	Geology	13.5	0
16	Mr s.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	9	0
17	Ms .	Khare Raksha Jalendra	M.E.	Assistant Professor	Structural	3	0
18	Mr s.	Rahangdale Swati Yograj	M.E. (Pursuing)	Assistant Professor	Structural	2	0
19	Ms .	Dagwal Shubhra Pralhd	M.E. (Pursuing)	Assistant Professor	Structural	0	0
20	Ms .	Uttarwar Nisha Anil	M.E. (Pursuing)	Assistant Professor	Structural	0.5	0
21	Ms .	Kazi Sana Nuruddin	M.E. (Pursuing)	Assistant Professor	Structural	2	0
22	Ms .	Wairale Snehal Ramkrushna	M.E. (Pursuing)	Assistant Professor	Structural	5	0
23	Ms .	Nallewar Kalpana Kiran	B.E.	Assistant Professor	Civil	13	0
24	Mr.	Pathare Vihang Girish	M.E. (Pursuing)	Assistant Professor	Computer	2	0
25	Ms .	Deepali Junnunkar	B.E.	Assistant Professor	Computer	4	NA
26	Mr s.	Neelam Yadav	PhD	Assistant Professor	Maths	8	NA

**January 2014**

Seri al No.	Name of the Teacher		Qualificati on	Designati on	Specializati on	No. of Years of Experienc e	No. of Ph.D/ M.E. Studen ts guided
1	Dr.	Katti Anand Ramanath	PhD	Professor	Geosynthetic	22.5	2
2	Dr.	Chore Hemant S.	PhD	Professor	Structures	20	18
3	Dr	B.S. Asha	PhD	Assistant Professor	Geotechnical	20.5	0



4	Mr.	Barbudhe Prashant Ramdas	M.Tech.	Assistant Professor	Structural	24.5	4
5	Mr.	Dode Prasadkuma r Avinash	M.E.	Assistant Professor	Environmen tal	23.5	4
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	26.5	2
7	Mr.	Kolisetty Ramakrishn a Venkateswa rlu	M.E.	Assistant Professor	Town Planning	24.5	0
8	Mr.	Mohammad Rafique	M.E.	Assistant Professor	Structural	20.5	0
9	Mrs.	Patil Smita Bhushan	PhD	Assistant Professor	Environmen tal	8.5	3
10	Mrs.	B.Manjula Devi	M.E.	Assistant Professor	Structural	9	0
11	Mr.	Dhanuskar Jagdish Rameshrao	M.Tech.	Assistant Professor	Structural	3.5	0
12	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	11	0
13	Mrs.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	WRE	4.5	0
14	Dr. (Mrs . )	Patil Vandana Gangadhar	PhD	Assistant Professor	Geology	14	0
15	Mrs.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	9.5	0
16	Ms.	Khare Raksha Jalendra	M.E.	Assistant Professor	Structural	3.5	0
17	Mrs.	Rahangdale Swati Yograj	M.E. (Pursuing)	Assistant Professor	Structural	2.5	0
18	Ms.	Dagwal Shubhra Pralhd	M.E. (Pursuing)	Assistant Professor	Structural	0.5	0
19	Ms.	Uttarwar Nisha Anil	M.E. (Pursuing)	Assistant Professor	Structural	1	0



20	Ms.	Kazi Sana Nuruddin	M.E. (Pursuing)	Assistant Professor	Structural	2.5	0
21	Mr.	Pathare Vihang Girish	M.E. (Pursuing)	Assistant Professor	Structural	2.5	0
22	Mrs.	Molly Mathew	M.E. (Pursuing)	Assistant Professor	Structural	20	0
23	Mr.	Ruman Baig	B.E.	Assistant Professor	Civil	0	0
24	Ms.	Sanmi Despande	M.E. (Pursuing)	Assistant Professor	Structural	0	0
25	Mr.	Janardhan Shanmugan	B.E.	Assistant Professor	Civil	0	0
26	Mr.	Raheel Kazi	B.E.	Assistant Professor	Civil	0	0
27	Mrs.	Choudhuri Smita Satyananda	M.Phil	Assistant Professor	Maths	19	NA

July 2014							
Seri al No.	Name of the Teacher		Qualificati on	Designation	Specializati on	No. of Years of Experien ce	No. of Ph.D/M. E. Students guided
1	Dr .	Katti Anand Ramanath	PhD	Professor	Geosynthetic	23	2
2	Dr .	Chore Hemant Sharad	PhD	Professor	Structures	20.5	21
3	Dr	B.S. Asha	PhD	Assistant Professor	Geotechnical	21	0
4	M r.	Barbudhe Prashant Ramdas	M.Tech.	Assistant Professor	Structural	25	7
5	M r.	Dode Prasadku mar Avinash	M.E.	Assistant Professor	Environme ntal	24	6
6	M r.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	27	4



7	Mr.	Kolisetty Ramakrishna Venkateswarl u	M.E.	Assistant Professor	Town Planning	25	0
8	Mr.	Mohammad Rafique	M.E.	Assistant Professor	Structural	21	0
9	Mrs.	Patil Smita Bhushan	M.E.	Assistant Professor	Environmenta l	9	2
10	Mrs.	B.Manjula Devi	M.E.	Assistant Professor	Structural	9.5	0
11	Mr.	Dhanuskar Jagdish Rameshrao	M.Tech.	Assistant Professor	Structural	4	0
12	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	11. 5	
13	Mrs.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	WRE	5	0
14	Mr.	Kapse Nitin Shankarrao	M.Tech.	Assistant Professor	Hydro.	24	0
15	Mr.	Vaidya Mahendra Kawduji	M.E.	Assistant Professor	Structural	17. 5	0
16	Dr.(Mrs . )	Patil Vandana Gangadhar	PhD	Assistant Professor	Geology	14. 5	0
17	Mrs.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	10	0
18	Ms.	Khare Raksha Jalendra	M.E.	Assistant Professor	Structural	4	0
19	Mrs.	Kumbhare Pranali Rahul	Mtech	Assistant Professor	Structural	1.5	0
20	Mr	Sengupta Pratim Kumar	M.E.	Assistant Professor	Soil Mechanics	0	0
21	Ms.	Kazi Sana Nuruddin	B.E.	Assistant Professor	Civil	3	0
22	Mr	Ramani Mehul Rasik	M.E. (Pursuin g )	Assistant Professor	Structural	0	0
23	Mr.	Ghadi Abhijit Prakash	M.E. (Pursuin g )	Assistant Professor	Structural	0	0
24	Ms.	Thakare Tejaswini Baliram	M.Tech. (Pursuin g )	Assistant Professor	Construction Management	3	0
25	Ms	Srivastava Varnika	M.E. (Pursuin g )	Assistant Professor	Structural	1.5	0

---



26	Mrs.	Choudhuri Smita Satyananda	M.Phil	Assistant Professor	Maths	19. 5	N A
27	Mrs.	Manisha Gund	Msc	Assistant Professor	Maths	13	N A
28	Ms.	Deepali Junurkar	B.E.	Assistant Professor	Computer	5	N A
29	Ms.	Poonam Patil					N A

January 2015							
Seri al No.	Name of the Teacher		Qualificat ion	Designation	Specializat ion	No. of Years of Experie nce	No. of Ph.D/M. E. Student s guided
1	Dr.	Katti Anand Ramanath	Ph.D.	Professor	Geosynthetic	23.5	2
2	Dr.	Chore Hemant Sharad	Ph.D.	Professor	Structures	21	21
3	Dr	B.S. Asha	Ph.D.	Assistant Professor	Geotechnical	21.5	0
4	Mr.	Barbudhe Prashant Ramdas	M.Tech.	Assistant Professor	Structural	25.5	7
5	Mr.	Dode Prasadkumar Avinash	M.E.	Assistant Professor	Environmental	24.5	6
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	27.5	4
7	Mr.	Kolisetty Ramakrishna Venkatesw arlu	M.E.	Assistant Professor	Town Planning	25.5	0
8	Mr.	Mohamma d Rafique	M.E.	Assistant Professor	Structural	21.5	0
9	Mr s.	Patil Smita Bhushan	Ph.D.	Assistant Professor	Environmental	9.5	
10	Mr s.	B.Manjula Devi	M.E.	Assistant Professor	Structural	10	0



11	Mr.	Dhanuskar Jagdish Rameshrao	M.Tech.	Assistant Professor	Structural	4.5	0
12	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	12	0
13	Mrs.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	WRE	5.5	0
14	Mr.	Deshmukh Pratap Damodarrao	M.E.	Assistant Professor	Structural	25.5	0
15	Mr.	Kapse Nitin Shankarrao	M.Tech.	Assistant Professor	Hydro.	24.5	0
16	Mr.	Vaidya Mahendra Kawduji	M.E.	Assistant Professor	Structural	18	0
17	Dr.(Mrs.)	Patil Vandana Gangadhar	Ph.D.	Assistant Professor	Geology	15	0
18	Mrs.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	10	0
19	Ms.	Khare Raksha Jalendra	M.E.	Assistant Professor	Structural	4.5	0
20	Mrs.	Kumbhare Pranali Rahul	M.Tech.	Assistant Professor	Structural	2	0
21	Mr	Sengupta Pratim Kumar	M.E.	Assistant Professor	Soil Mechanics	0.5	0
22	Mr	Ramani Mehul Rasik	M.E. (Pursuing)	Assistant Professor	Structural	0.5	0
23	Mr.	Ghadi Abhijit Prakash	M.E. (Pursuing)	Assistant Professor	Structural	0.5	0
24	Ms	Srivastava Varnika	M.E. (Pursuing)	Assistant Professor	Structural	2	0
25	Mr.	Kazi Raheel Abdul	M.E. (Pursuing)	Assistant Professor	Structural	2	0
26	Mr.	Baig Ruman Shabbir	M.E. (Pursuing)	Assistant Professor	Structural	2	0
27	Mr.	Janardhan Shanmugam	M.E. (Pursuing)	Assistant Professor	Structural	2	0



28	Mr.	Sathalia Huzeifa Murtuza	M.E. (Pursuing)	Assistant Professor	Structural	2	0
29	Mr.	Pedanekar Saurabh Charudatta	M.E. (Pursuing)	Assistant Professor	Structural	2	0
30	Mr.	Deshmukh Sushil Prakash	M.E. (Pursuing )	Assistant Professor	Structural	2	0
31	Mrs.	Choudhuri Smita Satyananda	M.Phil	Assistant Professor	Maths	20	NA
32	Ms.	Shweta					NA

<b>July 2015</b>							
<b>Seri al No.</b>	<b>Name of the Teacher</b>		<b>Qualificat ion</b>	<b>Designation</b>	<b>Specializa tion</b>	<b>No. of Years of Experie nce</b>	<b>No. of Ph.D/M .E. Student s guided</b>
1	Dr.	Katti Anand Ramanath	PhD	Professor	Geosynth etic	24	2
2	Dr.	Chore Hemant Sharad	PhD	Professor	Structures	21.5	1 PhD/24
3	Dr	B.S. Asha	PhD	Assistant Professor	Geotechni cal	22	2
4	Mr.	Barbudhe Prashant Ramdas	M.Tech.	Assistant Professor	Structural	26	10
5	Mr.	Dode Prasadkum ar Avinash	M.E.	Assistant Professor	Environme ntal	25	9
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	28	7
7	Mr.	Kolisetty Ramakrish na Venkatesw arlu	M.E.	Assistant Professor	Town Planning	26	0
8	Mr.	Mohamma d Rafique	M.E.	Assistant Professor	Structural	22	0
9	Mrs.	Patil Smita Bhushan	PhD	Assistant Professor	Environme ntal	10	4



10	Mrs.	B.Manjula Devi	M.E.	Assistant Professor	Structural	10.5	0
11	Mrs.	P. Kousitha	M.Tech.	Assistant Professor	Geotechnical	4.5	0
12	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	12	0
13	Mrs.	Wararkar Manjushri M.	M.Tech.	Assistant Professor	WRE	6	0
14	Mr.	Kapse Nitin Shankarrao	M.Tech.	Assistant Professor	Hydro.	25	0
15	Mr.	Vaidya Mahendra Kawduji	M.E.	Assistant Professor	Structural	18	0
16	Mr.	Deshmukh Pratap Damodarrao	M.E.	Assistant Professor	Structural	26	0
17	Dr.(Mr s.)	Patil Vandana Gangadhar	PhD	Assistant Professor	Geology	15	0
18	Mrs.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	10	0
19	Ms.	Gadigone Vaishali S.	Mt. Tech. (Pursuing)	Assistant Professor	Structural	10	0
20	Mr.	Rathod Raj Sureshbhai	M.E. (Pursuing)	Assistant Professor	Structural	0.5	0
21	Mr.	Bhati Sarfaraz Iqbal	M.E. (Pursuing)	Assistant Professor	Structural	2	0
22	Ms.	Gujarati Komal Babubhai	M.E.	Assistant Professor	WRM	1	0
23	Mr	Patil Tushar Shivaji	M.E.	Assistant Professor	Structures	0	0
24	Ms.	Bhawar Prajakta Dattatraya	M.E.	Assistant Professor	Structural	3	0
25	Ms.	Honrao Yogita	M.E. (Pursuing)	Assistant Professor	Construction Management	4	0



26	Ms	Srivastava Varnika	M.E. (Pursuing)	Assistant Professor	Structural	2.5	0
27	Ms.	Bhamare Pranoti Satish	M.E.	Assistant Professor	Structural	1	0
28	Mrs.	Kumbhare Pranali Rahul	M.Tech.	Assistant Professor	Structural	2.5	0
29	Mrs.	Choudhuri Smita Satyanand a	M.Phil	Assistant Professor	Maths	20.5	NA
30	Ms.	Saumya Salian Ravindran ath	M.Tech.	Assistant Professor	Database	1	NA
31	Mrs.	Pooja Ghagare	-	Assistant Professor	-	0	NA
32	Ms.	Namita Shah	M.phil	Assistant Professor	English	8	NA
33	Mrs.	Chatterjee Meghana	PhD	Assistant Professor	English	7	NA

January 2016							
<b>Seri al No.</b>	<b>Name of the Teacher</b>		<b>Qualificati on</b>	<b>Designati on</b>	<b>Specializatio n</b>	<b>No. of Years of Experie nce</b>	<b>No. of Ph.D/M. E. Students guided</b>
1	Dr.	Katti Anand Ramanath	Ph.D.	Professor	Geosynthetic	24.5	2
2	Dr.	Chore Hemant Sharad	Ph.D.	Assistant Professor	Structures	22	24
3	Dr	B.S. Asha	Ph.D.	Professor	Geotechnical	22.5	2
4	Mr.	Barbudhe Prashant R.	M.Tech.	Associate Professor	Structural	26.5	10
5	Mr.	Dode Prasadkumar Avinash	M.E.	Assistant Professor	Environment al	25.5	9
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	28.5	7



7	Mr.	Kolisetty Ramakrishna V.	M.E.	Assistant Professor	Town Planning	26.5	0
8	Mr.	Mohammad Rafique	M.E.	Assistant Professor	Structural	22.5	0
9	Dr. (Mrs.)	Patil Smita Bhushan	Ph.D.	Associate Professor	Environmental	10.5	1
10	Mrs.	B.Manjula Devi	M.E.	Assistant Professor	Structural	11	0
11	Mrs.	P. Kousitha	M.Tech.	Assistant Professor	Geotechnical	5	0
12	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	12.5	0
13	Mrs.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	WRE	6.5	0
14	Mr.	Kapse Nitin Shankarrao	M.Tech.	Assistant Professor	Hydro.	25.5	0
15	Mr.	Vaidya Mahendra Kawduji	M.E.	Assistant Professor	Structural	18.5	0
16	Ms.	Tepugade Ganga Hanmant	M.E.	Assistant Professor	Structural	1.5	0
17	Ms.	Jessly Rajan	M.Tech.	Assistant Professor	Structural	0	0
18	Ms.	Kamble Sneha Digamber	M.Tech.	Assistant Professor	Environmental	4.5	0
19	Mr.	Ahirwar Aditya Diwakar	M.Tech.	Assistant Professor	Construction Management	1.5	0
20	Mr.	Deshmukh Pratap Damodarrao	M.E.	Assistant Professor	Structural	26.5	0
21	Dr. (Mrs.)	Patil Vandana Gangadhar	Ph.D.	Assistant Professor	Geology	15.5	0
22	Mrs.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	10.5	0
23	Mrs.	Kumbhare Pranali Rahul	M.Tech.	Assistant Professor	Structural	3	0



24	Ms.	Honrao Yogita	M.E.	Assistant Professor	Construction Management	4.5	0
25	Mrs.	Dhanashri Joshi	M.E.	Assistant Professor	Structural	4	0
26	Ms.	Gujarati Komal Babubhai	M.E.	Assistant Professor	WRM	3	0
27	Ms.	Bhawar Prajakta Dattatraya	M.E.	Assistant Professor	Structural	3.5	0
28	Ms	Srivastava Varnika	M.E. (Pursuing)	Assistant Professor	Structural	3	0
29	Mrs.	Nisha Gundale	M.E. (Pursuing)	Assistant Professor	Structural	2	0
30	Mr.	Shinde Chandrakant Anna	M.E.	Assistant Professor	Environment al	4.5	0
31	Mr.	Deshmukh Abhishek Raghunath	M.Tech.	Assistant Professor	Environment al	1.5	0
32	Mr.	Sudhir Reddy	M.Tech.	Assistant Professor	Structural	2	0
33	Mr.	Kuchekar Omkar Jagannath	M.Tech.	Assistant Professor	Environment al	1	0
34	Mr.	Rathod Raj Sureshbhai	M.E. (Pursuing)	Assistant Professor	Structural	1	0
35	Ms.	Gadigone Vaishali Sambhajirao	Mtech (Pursuing)	Assistant Professor	Structural	10.5	0
36	Mr.	ShindeViren dra Baburao	M.E.	Assistant Professor	Civil	37.5	0
37	Mrs.	Supriya Mishra Bajpai	M.Tech.	Assistant Professor	Groundwater Hydrology	0.5	0
38	Ms.	Gauri Jewalikar	M.E.	Assistant Professor	Structural	1.5	0
39	Mrs.	Choudhuri Smita Satyananda	M.Phil	Assistant Professor	Maths	21	NA



July 2016

Seri al No.	Name of the Teacher		Qualificati on	Designati on	Specializati on	No. of Years of Experien ce	No. of Ph.D/ M.E. Student s guided
1	Dr.	Katti Anand Ramanath	Ph.D.	Professor	Geosynthetic	25	4
2	Dr.	Chore Hemant Sharad	Ph.D.	Professor	Structures/ Transportati on Engg.	22	1 PhD/27
3	Dr. (Mrs )	Patil Smita Bhushan	Ph.D.	Associate Professor	Environmen tal	11	15
4	Mr.	Barbudhe Prashant Ramdas	M.Tech.	Assistant Professor	Structural	27	13
5	Mr.	Dode Prasadkumar Avinash	M.E.	Assistant Professor	Environmen tal	26	12
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural	29	10
7	Mr.	Kolisetty Ramakrishna Venkateswar lu	M.E.	Assistant Professor	Town Planning	27	0
8	Mr.	Mohammad Rafique	M.E.	Assistant Professor	Structural	23	0
9	Mrs.	B.Manjula Devi	M.E.	Assistant Professor	Structural	11.5	0
10	Mrs.	P. Kousitha	M.Tech.	Assistant Professor	Geotechnica l	5.5	0
11	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural	13	4
12	Mrs.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	WRE	7	0
13	Mr.	Kapse Nitin Shankarrao	M.Tech.	Assistant Professor	Hydro.	26	0
14	Mr.	Vaidya Mahendra Kawduji	M.E.	Assistant Professor	Structural	19	0



15	Ms.	Tepugade Ganga Hanmant	M.E.	Assistant Professor	Structural	2	0
16	Ms.	Jessly Rajan	M.Tech.	Assistant Professor	Structural	0.5	0
17	Ms.	Kamble Sneha Digamber	M.Tech.	Assistant Professor	Environmental	5	0
18	Mr.	Ahirwar Aditya Diwakar	M.Tech.	Assistant Professor	Construction Management	2	0
19	Mr.	Deshmukh Pratap Damodarrao	M.E.	Assistant Professor	Structural	27	0
20	Dr. (Mrs .)	Patil Vandana Gangadhar	Ph.D.	Assistant Professor	Geology	16	0
21	Mrs.	Joshi Mrunal Prashant	M.Tech.	Assistant Professor	Structural	11	0
22	Ms.	Bhawar Prajakta Dattatraya	M.E.	Assistant Professor	Structural	4	0
23	Ms.	Honrao Yogita	M.E.	Assistant Professor	Construction Management	5	0
24	Mrs.	Kumbhare Pranali Rahul	M.Tech.	Assistant Professor	Structural	3.5	0
25	Mr.	Shinde Viren dra Baburao	M.E.	Assistant Professor	Civil	38	0
26	Mr.	Shinde Chandrakant Anna	M.E.	Assistant Professor	Environmental	5	0
27	Ms.	Gauri Jewalikar	M.E.	Assistant Professor	Structural	2	0
28	Mrs.	Madake Priyanka Sanatkumar	M.E.	Assistant Professor	Hydraulics	0	0
29	Ms.	Kamath Anuradha Suresh	M.Tech.	Assistant Professor	Structural	0	0
30	Mrs.	Kalburgi Preeti Shriram	M.Tech.	Assistant Professor	Structural	1	0



31	Mr.	Deshmukh Abhishek Raghunath	M.Tech.	Assistant Professor	Environment al	2	0
32	Mr.	Sudhir Reddy	M.Tech.	Assistant Professor	Structural	2.5	0
33	Mr.	Kuchekar Omkar Jagannath	M.Tech.	Assistant Professor	Environment al	1.5	0
34	Mrs.	Neethu Ram	M.Tech.	Assistant Professor	Geotechnica l	2	0
35	Mrs.	Shubhangi Gaikwad	M.Tech.	Assistant Professor	Construction Management	1	0
36	Mr.	Chavhan Amar Vikas	M.E.	Assistant Professor	WRE	5	0
37	Mr.	Kamble Praful Arun	M.E.	Assistant Professor	Structural	4	0
38	Mr.	Bagade Mahesh A.	M.E.	Assistant Professor	Structural	6.5	0
39	Mr.	Lende Nilesh Shivaji	M.E.	Assistant Professor	Structural	5	0
40	Mrs.	Namita Shah	M.phil	Assistant Professor	English	6.5	NA
41	Mrs.	Swati Bhise H.	M.phil (Ph.D- pursuing)	Assistant Professor	English	6.5	NA
42	Dr. (Mrs )	Aruna Henry	Ph.D	Professor	English		NA
43	Mr.	Warade Narhari Onkar	M.Sc.	Assistant Professor	Maths	22	NA
44	Mrs.	Varsha S. Kallokar	M.Sc	Assistant Professor	Maths	9	NA
45	Ms.	Sonal Badhe	M.E.	Assistant Professor	Computer	4	NA
46	Mrs.	Saumya Salian Ravindranath	M.Tech.	Assistant Professor	Database	1.5	NA
47	Mrs.	Vaishali Deshmukh	M.E.	Assistant Professor	Computer	14	NA



January 2017							
Seri al No.	Name of the Teacher		Qualificat ion	Designati on	Specializatio n	No. of Years of Experience	No. of Ph.D/M .E. Student s guided for the last 4 years
1	Dr.	Anand R. Katti	Ph. D.	Professor	Geotechnical Engg.	25.5	1 PhD / 4 M.E.
2	Dr.	Chore Hemant Sharad	Ph. D.	Professor	Structural Engg./ Transportatio n Engg.	22.5	2 PhD/ 27 M.E.
3	Dr. (Mrs .)	Patil Smita Bhushan	Ph. D.	Associate Professor	Environment al Engineering / Geo Environment al Engg	11.5	15
4	Mr.	Barbudhe Prashant Ramdas	M. Tech.	Assistant Professor	Structural Engg.	27.5	13
5	Mr.	Dode PrasadkumarAvi nash	M.E., Ph.D. (Pursuing)	Assistant Professor	Civil with Environment al Engg	26.5	12
6	Mr.	Muley Prashant Vinodrao	M.E.	Assistant Professor	Structural Engg.	29.5	10
7	Mr.	Kolisetty Ramakrishna Venkateswarlu	M.E.	Assistant Professor	Town Planning	27.5	0
8	Mr.	Mohammad Rafique	M.E.	Assistant Professor	Structural Engineering	23.5	0
9	Mrs.	B.Manjula Devi	M.E.	Assistant Professor	Structural Engineering	12	0
10	Mrs.	P. Kousitha	M.Tech.	Assistant Professor	Geotechnical Engineering	6	0
11	Mr.	Rasal Sikandar Ankush	M.E.	Assistant Professor	Structural Engineering	13.5	4
12	Mrs.	Wararkar Manjushri Mahadeorao	M.Tech.	Assistant Professor	Water Resource	7.5	0



13	Mr.	Kapse Nitin Shankarrao	M.Tech.	Assistant Professor	Hydraulics Engg.	26	0
14	Mr.	Vaidya Mahendra Kawduji	M.E.	Assistant Professor	Structural Engineering	19.5	0
15	Ms.	Tepugade Ganga Hanmant	M.E.	Assistant Professor	Structural Engineering	2.5	0
16	Ms.	Jessly Rajan	M.Tech	Assistant Professor	Structural Analysis-I, II	1	0
17	Mr.	Ahirwar Aditya Diwakar	M. Tech.	Assistant Professor	Construction Management	2.5	0
18	Mr.	Deshmukh Pratap Damodarao	M.E.	Assistant Professor	Construction Management	27.5	0
19	Mr.	Shinde Virendra Baburao	M.E.	Assistant Professor	Civil	38.5	0
20	Dr. (Mrs . )	Patil Vandana Gangadhar	Ph.D.	Assistant Professor	Geology	16.5	0
21	Ms.	Jewalikar Gauri Anantrao	M.E.	Assistant Professor	Structural Engg.	2.5	0
22	Ms.	Bhawar Prajakta Dattatraya	M.E.	Assistant Professor	Structural Engg.	4.5	0
23	Ms.	Honrao Yogita	M.E.	Assistant Professor	Construction and managment	5.5	0
24	Mr.	Shinde Chandrakant Anna	M.E.	Assistant Professor	Environment al Engg.	5.5	0
25	Mrs.	Madake Priyanka Sanatkumar	M.E.	Assistant Professor	Hydraulics Engg.	0.5	0
26	Ms.	Kamath Anuradha Suresh	M.Tech.	Assistant Professor	Structural Engineering	0.5	0
27	Mrs.	Kalburgi Preeti Shriram	M.Tech.	Assistant Professor	Structural Engineering	1.5	0
28	Mrs.	Kumbhare Pranali Rahul	M.Tech.	Assistant Professor	Structural Engg.	4	0
29	Mr.	Deshmukh Abhishek Raghunath	M.Tech.	Assistant Professor	Environment Engg	2.5	0
30	Mrs.	Joshi Mrunal Prashant	M.E.	Assistant Professor	Structural Engg.	11.5	0



31	Mr.	Sudhir Reddy	M.Tech.	Assistant Professor	Structural engg	3	0
32	Mr.	Chavhan Amar Vikas	M.E.	Assistant Professor	Water Resources & Environment al Engg.	5.5	0
33	Mr.	Kamble Praful Arun	M.E.	Assistant Professor	Structural Engineering	4.5	0
34	Mr.	Bagade Mahesh A.	M.E.	Assistant Professor	Structural Engineering	7	0
35	Mr.	Lende Nilesh Shivaji	M.E.	Assistant Professor	Structural Engineering	5.5	0
36	Mr.	Hemant Pandit	M.Tech.	Assistant Professor	Construction Management		0
37	Mr.	Prabhu Kinagi	M.E.	Assistant Professor	Structural Engineering		0
38	Mr.	Bhupati Kannur	M.E.	Assistant Professor	Transportatio n Engineering and Management	1.5	0
39	Dr.	Sushovan Dutta	Ph.D.	Assistant Professor		6.5	0
40	Mr.	Kapil Gitte	M.E.	Assistant Professor	Water Resources & Environment al Engg.	4	0

**11. List of senior visiting/Expert Faculty:**

Sr. No	Name of the faculty (Adjunct)	Qualification	Experience (In Years)	Subjects
1	Shri. S. K Mukherjee	M. Tech ,Ph.D	35	Advanced Design Of Concrete Structures



---

**12. Percentage of Lectures delivered and Practical classes handled (Program wise) by**

**Temporary faculties:**

**Academic Year: 2016-2017**

Sr. No.	Name of the faculty	% Load Taken		% Load Taken	
		ODD SEM	% LECTURE	EVEN SEM	% LECTURE
1	Joshi Mrunal Prashant	16	2.85	15	2.70
2	Bhawar Prajakta Dattatraya	16	2.85	16	2.88
3	Honrao Yogita	16	2.85	-	-
4	Kumbhare Pranali Rahul	15	2.67	-	-
5	Shinde Chandrakant Anna	16	2.85	16	2.88
6	Gauri Jewalikar	15	2.67	16	2.88
7	Madake Priyanka Sanatkumar	16	2.85	15	2.70
8	Kamath Anuradha Suresh	15	2.67	16	2.88
9	Kalburgi Preeti Shriram	16	2.85	16	2.88
10	Deshmukh Abhishek Raghunath	16	2.85	16	2.88
11	Sudhir Reddy	16	2.85	16	2.88
12	Kuchekar Omkar Jagannath	15	2.67	-	-



13	Neethu Ram	16	2.85	-	-
14	Shubhangi Gaikwad	15	2.67	-	-
15	Chavhan Amar Vikas	16	2.85	16	2.88
16	Kamble Praful Arun	15	2.67	16	2.88
17	Bagade Mahesh A.	16	2.85	16	2.88
18	Lende Nilesh Shivaji	15	2.67	16	2.88
19	Namita Shah	8	1.43	-	-
20	Swati Bhise H.	8	1.43	-	-
21	Varsha S. Kallokar	4	0.71	-	-
22	Sonal Badhe	16	2.85	-	-
23	Saumya Salian Ravindranath	4	0.71	-	-
24	Vaishali Deshmukh	4	0.71	-	-
25	Dr. Sushovan Dutta	-	-	16	
26	Mr. Prabhu Kinagi	-	-	16	
		<b>561</b>	<b>57.93</b>	<b>238</b>	<b>37.12</b>



Academic Year: 2015-2016

Sr. No.	Name of the faculty	% Load Taken		% Load Taken	
		ODD SEM	% LECTURE	EVEN SEM	% LECTURE
1	Gadigone Vaishali Sambhajirao	19	4.38	16	2.88
2	Rathod Raj Sureshbhai	18	4.15	16	2.88
3	Bhati Sarfaraz Iqbal	18	4.15	-	-
4	Gujarati Komal Babubhai	16	3.69	16	2.88
5	Patil Tushar Shivaji	16	3.69	-	-
6	Bhawar Prajakta Dattatraya	17	3.92	16	2.88
7	Honrao Yogita	17	3.92	15	2.70
8	Srivastava Varnika	17	3.92	17	3.06
9	Bhamare Pranoti Satish	16	3.69	-	-
10	Kumbhare Pranali Rahul	15	3.46	16	2.88
11	Choudhuri Smita Satyananda	12	2.76	12	2.16
12	Saumya Salian Ravindranath	16	3.69	-	-
13	Pooja Ghagare	8	1.84	-	-
14	Namita Shah	16	3.69	-	-
15	Dhanashri Joshi	-	-	16	2.88
16	Nisha Gundale	-	-	15	2.70
17	Shinde Chandrakant Anna	-	-	16	2.88
18	Deshmukh Abhishek Raghunath	-	-	15	2.70
19	Sudhir Reddy	-	-	16	2.88
20	Kuchekar Omkar Jagannath	-	-	17	3.06
21	Gauri Jewalikar	-	-	17	3.06
22	Supriya Mishra Bajpai	-	-	16	2.88



		<b>434</b>	<b>50.92</b>	<b>555</b>	<b>45.41</b>
--	--	------------	--------------	------------	--------------

**Academic Year: 2014-2015:**

Sr. No.	Name of the faculty	% Load Taken		% Load Taken	
		ODD SEM	% LECTURE	EVEN SEM	% LECTURE
1	Kumbhare Pranali Rahul	19	5.07	15	3.77
2	Sengupta Pratim Kumar	17	4.53	16	4.02
3	Kazi Sana Nuruddin	18	4.80	-	-
4	Ramani Mehul Rasik	20	5.33	16	4.02
5	Ghadi Abhijit Prakash	20	5.33	16	4.02
6	Thakare Tejaswini Baliram	19	5.07	-	-
7	Srivastava Varnika	18	4.80	15	3.77
8	Deepali Junurkar	-	-	7	1.76
9	Poonam Patil	-	-	8	2.01
10	Janardhan Shanmugam	-	-	8	2.01
11	Sathalia Huzeefa Murtuza	-	-	8	2.01
12	Pedanekar Saurabh Charudatta	-	-	8	2.01
13	Deshmukh Sushil Prakash	-	-	7	1.76
14	Shweta	-	-	2	0.50
		<b>375</b>	<b>34.93</b>	<b>398</b>	<b>31.66</b>



**Academic Year: 2013-2014**

Sr. No.	Name of the faculty	% Load Taken		% Load Taken	
		ODD SEM	% LECTURE	EVEN SEM	% LECTURE
1	Rahangdale Swati Yograj	17	5.01	18	5.03
2	Dagwal Shubhra Pralhd	18	5.31	18	5.03
3	Uttarwar Nisha Anil	18	5.31	18	5.03
4	Kazi Sana Nuruddin	16	4.72	17	4.75
5	Wairale Snehal Ramkrushna	17	5.01	-	-
6	Nallewar Kalpana Kiran	17	5.01	-	-
7	Pathare Vihang Girish	16	4.72	18	5.03
8	Deepali Junnunkar	16	4.72	-	-
9	Neelam Yadav	8	2.36	-	-
11	Ruman Baig	-	-	8	2.23
12	Sanmi Despande	-	-	7	1.96
13	Janardhan Shanmugan	-	-	8	2.23
14	Raheel Kazi	-	-	6	1.68
		<b>339</b>	<b>42.18</b>	<b>358</b>	<b>32.96</b>

**13. Student-Teacher Ratio (Programme wise):**

\*E- Even, O- Odd

Year	Semester	Programme	Student Faculty Ratio
2016 - 2017	E16	UG	22:1
		PG	12:1
		Ph.D	1:1
	O16	UG	22:1
		PG	12:1
		Ph.D	1:1
2015 - 2016	E15	UG	24:1
		PG	12:1
		Ph.D	1:1



	O15	UG	27:1
		PG	12:1
		Ph.D	1:1
2014 - 2015	E14	UG	18:1
		PG	12:1
		Ph.D	1:1
	O14	UG	21:1
		PG	12:1
		Ph.D	1:1
2013 - 2014	E13	UG	18:1
		PG	12:1
		Ph.D	1:1
	O13	UG	19:1
		PG	12:1
		Ph.D	1:1

**14. Number of academic support staff:**

<b>Jan 2017</b>				
<b>Sr. No</b>	<b>Name of Staff</b>	<b>Post</b>	<b>Sanctioned</b>	<b>Filled</b>
1	R. S. Thakre	Laboratory Assistant	5	5
2	P. D. Pashte			
3	N.M.Patil			
4	R. S. Chaudhary			
5	N. Soni			
6	R A Gharpure	Skilled Laboratory Assistant	1	1
7	P N Satav	Senior Laboratory Attendant	3	3
8	A. S. Tate			
9	M.N. More			

<b>June 2016</b>				
<b>Sr. No</b>	<b>Name of Staff</b>	<b>Post</b>	<b>Sanctioned</b>	<b>Filled</b>
1	R. S. Thakre	Laboratory Assistant	5	5
2	P. D. Pashte			
3	N.M.Patil			
4	R. S. Chaudhary			
5	N. Soni			
6	R A Gharpure	Skilled Laboratory Assistant	1	1
7	P N Satav	Senior Laboratory Attendant	3	3
8	A. S. Tate			
9	M.N. More			



January 2016				
Sr. No	Name of Staff	Post	Sanctioned	Filled
1	N. Soni	Laboratory Assistant	1	1
2	R A Gharpure	Skilled Laboratory Assistant	1	1
3	P N Satav	Senior Laboratory Attendant	4	4
4	A. S. Tate			
5	s. Karade			
6	D. S. Lal			

July 2015				
Sr. No	Name of Staff	Post	Sanctioned	Filled
1	N. Soni	Laboratory Assistant	1	1
2	R A Gharpure	Skilled Laboratory Assistant	1	1
3	P N Satav	Senior Laboratory Attendant	4	4
4	A. S. Tate			
5	s. Karade			
6	D. S. Lal			

January 2015				
Sr. No	Name of Staff	Post	Sanctioned	Filled
1	N. Soni	Laboratory Assistant	1	1
2	R A Gharpure	Skilled Laboratory Assistant	1	1
3	P N Satav	Senior Laboratory Attendant	4	4
4	A. S. Tate			
5	s. Karade			
6	D. S. Lal			

July 2014				
Sr. No	Name of Staff	Post	Sanctioned	Filled
1	N. Soni	Laboratory Assistant	1	1
2	R A Gharpure	Skilled Laboratory Assistant	1	1
3	P N Satav	Senior Laboratory Attendant	4	4
4	A. S. Tate			
5	s. Karade			
6	D. S. Lal			



<b>January 2014</b>				
<b>Sr. No</b>	<b>Name of Staff</b>	<b>Post</b>	<b>Sanctioned</b>	<b>Filled</b>
1	N. Soni	Laboratory Assistant	1	1
2	R A Gharpure	Skilled Laboratory Assistant	1	1
3	P N Satav	Senior Laboratory Attendant	4	4
4	A. S. Tate			
5	s. Karade			
6	D. S. Lal			

<b>June 2013</b>				
<b>Sr. No</b>	<b>Name of Staff</b>	<b>Post</b>	<b>Sanctioned</b>	<b>Filled</b>
1	N. Soni	Laboratory Assistant	1	1
2	R A Gharpure	Skilled Laboratory Assistant	1	1
3	P N Satav	Senior Laboratory Attendant	4	4
4	A. S. Tate			
5	s. Karade			
6	D. S. Lal			

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

<b>July 2016</b>			
<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Qualification</b>	<b>Specilization</b>
1	Katti Anand Ramanath	PhD	Geosynthesis
2	B.S. Asha	PhD	Geothechnical
3	Chore Hemant Sharad	PhD	Structures
4	Patil Smita Bhushan	PhD	Civil
5	Barbudhe Prashant Ramdas	M tech	Structures
6	Dode Prasadkumar Avinash	M.E. (PhD Pursing)	Civil
7	Muley Prashant Vinodrao	M.E.	Structures
8	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town & Country Planning
9	Mohammad Rafique	M.E.	Structures
10	B.Manjula Devi	M.E.	Civil
11	P. Kousitha	M.E.	Civil
12	Rasal Sikandar Ankush	M.E.	M.E.(PhD Pursuing)
13	Wararkar Manjushri Mahadeorao	M Tech	Hydraulics
14	Kapse Nitin Shankarrao	M Tech	WRE



15	Vaidya Mahendra Kawduji	M.E.	Structures
16	Tepugade Ganga Hanmant	M.E.	Structures
17	Jessly Rajan	M Tech	Structures
18	Kamble Sneha Digamber	M Tech	Enviromental
19	Ahirwar Aditya Diwakar	M Tech	Const. Mgt.
20	Shinde Virendra baburao	M.E.	Civil
21	Deshmukh Pratap Damodarrao	M.E.	Const. Mgt.
22	Patil Vandana Gangadhar	PhD	Geology
23	Joshi Mrunal Prashant	M.E.	Structures
24	Bhawar Prajakta Dattatraya	M.E.	Structures
25	Honrao Yogita	M.E.	Const. Mgt.
26	Kumbhare Pranali Rahul	M Tech	Civil
27	Sudhir Reddy	M Tech	Structures
28	Kuchekar Omkar Jagannath	M. Tech	Enviromental Engg
29	ShindeChandrakant Anna	M.E.	Enviromental Engg
30	Deshmukh Abhishek Raghunath	M. Tech	Energy
31	Jewalikar Gauri Ananrao	M. E.	Structures
32	Anuradha S. Kamath	M.E.	Structures
33	Preeti S. Kalburgi	M. Tech	Structures
34	Priyanka Madake	M. Tech	Hydraulics
35	Neethu Ram K P	M. Tech	GeothechnicalEngg
36	Nilesh S. Lende	M. Tech	Structures
37	Amar V. Chavhan	M. Tech	WRE
38	Shubhangi M. Gaikwad	M. Tech	Const. Mgt.
39	Mahesh A. Bagade	M. Tech	Structures
40	Praful A. Kamble	M. Tech	Structures

**January 2016**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Qualification</b>	<b>Specilization</b>
1	Katti Anand Ramanath	PhD	Geosynthesis
2	B.S. Asha	PhD	Geothechnical
3	Chore Hemant Sharad	PhD	Structures



4	Patil Smita Bhushan	PhD	Civil
5	Barbudhe Prashant Ramdas	M tech	Structures
6	Dode Prasadkumar Avinash	M.E. (PhD Pursing)	Civil
7	Muley Prashant Vinodrao	M.E.	Structures
8	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town & Country Planning
9	Mohammad Rafique	M.E.	Structures
10	B.Manjula Devi	M.E.	Civil
11	P. Kousitha	M.E.	Civil
12	Rasal Sikandar Ankush	M.E.	M.E.(PhD Pursuing)
13	Wararkar Manjushri Mahadeorao	M Tech	Hydraulics
14	Kapse Nitin Shankarrao	M Tech	WRE
15	Vaidya Mahendra Kawduji	M.E.	Structures
16	Tepugade Ganga Hanmant	M.E.	Structures
17	Jessly Rajan	M Tech	Structures
18	Kamble Sneha Digamber	M Tech	Enviromental
19	Ahirwar Aditya Diwakar	M Tech	Const. Mgt.
20	Shinde Virendra baburao	M.E.	Civil
21	Deshmukh Pratap Damodarao	M.E.	Const. Mgt.
22	Patil Vandana Gangadhar	PhD	Geology
23	Joshi Mrunal Prashant	M.E.	Structures
24	Gadigone Vaishali Sambajirao	B.E. (M.E. Pursuing)	Structures
25	Rathod Raj Sureshbhai	B.E. (M.E. Pursuing)	Structures
26	Gujarati Komal Babubhai	M.E.	WRM
27	Bhawar Prajakta Dattatraya	M.E.	Structures
28	Honrao Yogita	M.E.	Const. Mgt.
29	Srivastava Varnika	B.E. (M.E. Pursuing)	Structures
30	Kumbhare Pranali Rahul	M Tech	Civil
31	Joshi Dhanashri Amit	M.E.	Structures
32	Gundale Nisha Vishal	B.E.	Civil
33	Sudhir Reddy	M Tech	Structures
34	Kuchekar Omkar Jagannath	M. Tech	Enviromental Engg
35	Mishra Supriya	M. Tech	Hydrology



36	ShindeChandrakant Anna	M.E.	Enviromental Engg
37	Deshmukh Abhishek Raghunath	M. Tech	Energy

<b>July 2015</b>			
<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Qualification</b>	<b>Specilization</b>
1	Katti Anand Ramanath	PhD	Civil
2	B.S. Asha	PhD	Structural
3	Chore Hemant Sharad	PhD	Civil
4	Patil Smita Bhushan	PhD	Environmental
5	Barbudhe Prashant Ramdas	Mtech	Structural
6	Dode Prasadkumar Avinash	M.E.	Environmental
7	Muley Prashant Vinodrao	M.E.	Structural
8	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town Planning
9	Mohammad Rafique	M.E.	Structural
10	B.Manjula Devi	M.E.	Structural
11	P. Kousitha	Mtech	Geotechnical
12	Rasal Sikandar Ankush	M.E.	Structural
13	Wararkar Manjushri Mahadeorao	Mtech	WRE
14	Kapse Nitin Shankarrao	Mtech	Hydro.
15	Vaidya Mahendra Kawduji	M.E.	Structural
16	Tepugade Ganga Hanmant	M.E.	Structural
17	Jessly Rajan	Mtech	Structural
18	Kamble Sneha Digamber	Mtech	Environmental
19	Ahirwar Aditya Diwakar	Mtech	Construction Management
20	Deshmukh Pratap Damodarao	M.E.	Structural
21	Patil Vandana Gangadhar	PhD	Geology
22	Gujarati Komal Babubhai	M.E.	WRM
23	Bhawar Prajakta Dattatraya	M.E.	Structural
24	Honrao Yogita	M.E.	Construction Management
25	Srivastava Varnika	M.E.	Structural
26	Kumbhare Pranali Rahul	Mtech	Structural
27	Joshi Dhanashri Amit	M.E.	Structural



28	Gundale Nisha Vishal	-	-
29	Sudhir Reddy	Mtech	Structural
30	Warade Narhari Onkar	M.S.	Maths
31	Choudhuri Smita Satyananda	M.Phil	Maths

<b>January 15</b>			
<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Qualification</b>	<b>Specialization</b>
1	Katti Anand Ramanath	PHD	Geosynthetic
2	Chore Hemant Sharad	PHD	Structures
3	B.S. Asha	PHD	Geotechnical
4	Barbudhe Prashant Ramdas	Mtech	Structural
5	Dode Prasadkumar Avinash	M.E.	Environmental
6	Muley Prashant Vinodrao	M.E.	Structural
7	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town Planning
8	Mohammad Rafique	M.E.	Structural
9	Patil Smita Bhushan	M.E.	Environmental
10	B.Manjula Devi	M.E.	Structural
11	P. Kousitha	Mtech	Geotechnical
12	Rasal Sikandar Ankush	M.E.	Structural
13	Wararkar Manjushri Mahadeorao	Mtech	WRE
14	Kapse Nitin Shankarrao	Mtech	Hydro.
15	Vaidya Mahendra Kawduji	M.E.	Structural
16	Deshmukh Pratap Damodarao	M.E.	Structural
17	Patil Vandana Gangadhar	PHD	Geology
18	Joshi Mrunal Prashant	MTech	Structural
19	Gadigone Vaishali Sambhajirao	MTech	Structural
20	Rathod Raj Sureshbhai	M.E.	Structural
21	Bhati Sarfaraz Iqbal	M.E.	Structural
22	Gujarati Komal Babubhai	M.E.	WRM
23	Patil Tushar Shivaji	M.E.	Structures
24	Bhawar Prajakta Dattatraya	M.E.	Structural
25	Honrao Yogita	M.E.	Construction Management



26	Srivastava Varnika	M.E.	Structural
27	Bhamare Pranoti Satish	M.E.	Structural
28	Kumbhare Pranali Rahul	Mtech	Structural
29	Choudhuri Smita Satyananda	M.Phil	Maths
30	Saumya Salian Ravindranath	Mtech	Database
31	Pooja Ghagare	-	-
32	Namita Shah	M.phil	English
33	Chatterjee Meghana	PHD	English

<b>July 2014</b>			
<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Qualification</b>	<b>Specilization</b>
1	Katti Anand Ramanath	PhD	Geosynthesis
2	Chore Hemant Sharad	PhD	Structures
3	B.S. Asha	PhD	Geothechnical
4	Barbudhe Prashant Ramdas	M.Tech	Structural Engg.
5	Dode Prasadkumar Avinash	M.E. (PhD Pursing)	Civil
6	Muley Prashant Vinodrao	M.E.	Structures
7	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town & Country Planning
8	Mohammad Rafique	M.E.	Structures
9	Patil Smita Bhushan	M.E.	Environmental Engg.
10	B.Manjula Devi	M.E.	Civil
11	P. Kousitha	M.E.	Civil
12	Dhanuskar Jagdish Rameshrao	M Tech	Structural Engg.
13	Rasal Sikandar Ankush	M.E.	Structural Engg.
14	Wararkar Manjushri Mahadeorao	M Tech	WRE
15	Kapse Nitin Shankarrao	M Tech	Hydraulics
16	Vaidya Mahendra Kawduji	M.E.	Structural Engg.
17	Patil Vandana Gangadhar	PhD	Geology
18	Joshi Mrunal Prashant	M.E.	Structures
19	Khare Raksha Jalendra	M.E.	Structures
20	Sengupta Pratim Kumar	M.E.	Soil Mechanics
21	Kumbhare Pranali Rahul	M Tech	Structural Engg.



22	Kazi Sana Nuruddin	B.E. (M.E. Pursuing)	Civil Engg
23	Ramani Mehul Rasik	B.E. (M.E. Pursuing)	Civil Engg
24	Ghadi Abhijit Prakash	B.E. (M.E. Pursuing)	Structures
25	Thakare Tejaswini Baliram	M.E.	Const. Mgt.
26	Srivastava Varnika	B.E. (M.E. Pursuing)	Civil Engg
27	Kazi Raheel Abdul	B.E. (M.E. Pursuing)	Civil Engg
28	Baig Ruman Shabbir	B.E. (M.E. Pursuing)	Civil Engg
29	Janardhan Shanmugam	B.E. (M.E. Pursuing)	Civil Engg
30	Deshpande Sanmi	B.E. (M.E. Pursuing)	Civil Engg
31	Sathalia Huzeefa Murtuza	B.E. (M.E. Pursuing)	Structures
32	Pedanekar Saurabh Charudatta	B.E. (M.E. Pursuing)	Structures
33	Deshmukh Sushil Prakash	B.E. (M.E. Pursuing)	Structures

<b>January 2014</b>			
<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Qualification</b>	<b>Specialization</b>
1	Katti Anand Ramanath	PhD	Geosynthesis
2	Chore Hemant Sharad	PhD	Structures
3	B.S. Asha	PhD	Geotechnical
4	Barbudhe Prashant Ramdas	M.Tech	Structural Engg.
5	Dode Prasadkumar Avinash	M.E.	Civil
6	Muley Prashant Vinodrao	M.E.	Structures
7	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town & Country Planning
8	Mohammad Rafique	M.Tech	Structures
9	Patil Smita Bhushan	M.E.	Environmental Engg.
10	B.Manjula Devi	M.E.	Structural Engg.
11	P. Kousitha	M.E.	Civil
12	Dhanuskar Jagdish Rameshrao	M Tech	Structural Engg.
13	Rasal Sikandar Ankush	M.E.	Structural Engg.
14	Wararkar Manjushri Mahadeorao	M Tech	WRE
15	Patil Vandana Gangadhar	PhD	Geology
16	Joshi Mrunal Prashant	M.E.	Structural Engg.
17	Khare Raksha Jalendra	M.E.	Structural Engg.
18	S Y Rahangdale	B.E.	Civil Engg
19	S.P.Dagwal	B.E.	Civil Engg
20	N.A.Uttarwar	B.E.	Civil Engg
21	S.N.Kazi	B.E.	Civil Engg



22	S.R. Wairale	M.E.	Structural Engg.
23	K.K. Nallewar	B.E.	Civil Engg
24	V.G.Pathare	B.E.	Civil Engg
25	Molly Mathew	M Tech	Structural Engg.

July 2013			
Sr. No.	Name of Faculty	Qualification	Specilization
1	Katti Anand Ramanath	PhD	Geosynthesis
2	Chore Hemant Sharad	PhD	Structures
3	B.S. Asha	PhD	Geothecnical
4	Barbudhe Prashant Ramdas	M.Tech	Structural Engg.
5	Dode Prasadkumar Avinash	M.E.	Civil
6	Muley Prashant Vinodrao	M.Tech	Structural Engg.
7	Kolisetty Ramakrishna Venkateswarlu	M.E.	Town & Country Planning
8	Mohammad Rafique	B.E.	Civil Engg.
9	Patil Smita Bhushan	M.E.	Enviromental Engg.
10	B.Manjula Devi	M.E.	Structural Engg.
11	P. Kousitha	M.E.	Civil
12	Dhanuskar Jagdish Rameshrao	M Tech	Structural Engg.
13	Rasal Sikandar Ankush	M.E.	Structural Engg.
14	Wararkar Manjushri Mahadeorao	M Tech	WRE
15	Patil Vandana Gangadhar	PhD	Geology
16	Joshi Mrunal Prashant	B.E.	Civil Engg.
17	Khare Raksha Jalendra	B.E.	Civil Engg.
18	Rahangdale Swati Yograj	B.E.	Civil Engg.
19	Dagwal Shubhra Pralhd	B.E.	Civil Engg.
20	Uttarwar Nisha Anil	B.E.	Civil Engg.
21	Kazi Sana Nuruddin	B.E.	Civil Engg.
22	Wairale Snehal Ramkrushna	M.E.	Structural Engg.
23	Nallewar Kalpana Kiran	B.E.	Civil Engg.
24	Pathare Vihang Girish	B.E.	Civil Engg.
25	Molly Mathev	B.Tech	Civil Engg.



16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received  
-NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received-

Sr. No.	Name of the faculty	Details of the project/work	Funding agency	Year	Amount sanctioned (Rupees)
1	Dr.H.S.Chore	Experimental investigation into the Rheological behavior of smart dynamic concrete	University of Mumbai	2015-16	65000/-
2	1. Mr. S.A.Rasal	Non-linear soil structure Interaction of framed structures	University of Mumbai	2014-15	20000/-
	2. Dr. H. S.Chore				
3	1. S.B Patil	Contaminant transport through saturated porous media: An experimental study	University of Mumbai	2013-14	25000/-
	2. Dr.H.S.Chore				

18. Research Centre /facility recognized by the University-

- In order to inculcate research culture amongst teachers to upgrade their knowledge and technical skills, department is recognized as a research center under University of Mumbai.
- Department is equipped with high end computer systems and software tools like Stad Pro., ETAB, etc.
- More than 10 well equipped laboratories, High Speed Internet and e-Journals.
- Department library with more than 1000 books.
- List of Ph.D. Guides (Supervisors)



Sr. No.	Name of Supervisors
1.	Dr. A.R. Katti
2.	Dr. H.S. Chore
3.	Dr. S.K. Ukarande
4.	Dr. S.B. Charhate

**19. Publications:**

Department	Name of the faculty	Journals	Conferences	Books
Civil Engineering	<u>Dr. Anand R. Katti</u>	1	75	-
	Dr. Chore Hemant Sharad	43	144	-
	<u>Dr. Patil Smita Bhushan</u>	07	10	-
	<u>Mr. Barbudhe Prashant Ramdas</u>	02	07	-
	<u>Mr. Dode Prasadkumar Avinash</u>	06	26	-
	<u>Mr. Muley Prashant Vinodrao</u>	03	06	-
	<u>Mr. Kolisetty Ramakrishna Venkateswarlu</u>	02	11	-
	<u>Mr. Mohammad Rafique</u>	-	06	-
	<u>Mrs. B. Manjula Devi</u>	-	08	-
	<u>Mrs. Kousitha P.</u>	-	05	-
	<u>Mr. Rasal Sikandar Ankush</u>	-	13	-
	<u>Mr. Kapse Nitin Shankarrao</u>	-	-	02
	<u>Mr. Vaidya Mahendra Kawduji</u>	-	05	-
	<u>Ms. Tepugade Ganga Hanmant</u>	01	-	-
	<u>Ms. Jessly Rajan</u>	-	02	-
	<u>Mr. Deshmukh Pratap Damodarao</u>	-	01	-



	<u>Ms. Jewalikar Gauri Anantrao</u>	01	-	-
	<u>Ms. Bhawar Prajakta Dattatraya</u>	01	-	-
	<u>Mr. Shinde Chandrakant Anna</u>	03	-	-
	<u>Mrs. Madake Priyanka Sanatkumar</u>	02	01	-
	<u>Ms. Kamath Anuradha Suresh</u>	-	02	-
	<u>Mr. Deshmukh Abhishek Raghunath</u>	04	-	-
	<u>Mrs. Joshi Mrunal Prashant</u>	01	07	-
	<u>Mr. Sudhir Reddy</u>	02	-	-
	<u>Mr. Lende Nilesh Shivaji</u>	01	-	-
	<u>Dr. Sushovan Dutta</u>	06	18	-

**20. Areas of consultancy and income generated-**

<b>Financial Year</b>	<b>Name of faculty (Chief Consultant)</b>	<b>Client Organization</b>	<b>Title of Consultancy of project</b>	<b>Amount received (in Rupees)</b>	<b>Amount received (in words)</b>
<b>2015-16</b>	1 P.R. Barbude	SMC Infrastructure and Mira Bhaindar corporation	Proof checking of RCC design for water pipeline chair support Date: 20/01/16	18,000/-	Eighteen thousand only
	2 P.V. Muley				
<b>2014-15</b>	1 P.R. Barbude	SMC Infrastructure and Mira Bhaindar corporation	Proof checking of RCC design for water pipeline chair support Date: 17/03/16	22,500/-	Twenty two thousand five hundred only
	2 P.V. Muley				
<b>2013-14</b>	1 P.R. Barbude 2 P.V. Muley	SS Studio for Shrivardhan municipal corporation	Proof checking of various structures and building for Shrivardhan municipal corporation	20,000/-	Twenty thousand only



**21. Faculty as members in**

Sr. No	Name Of The Faculty	National Committee/ National Membership		International Committee/ International Membership		Editorial Board
		MEMBER SHIP	MEMBER SHIP NO.	INTERNATI ONAL MEMBERSH IP	MEMBER SHIP NO.	
1	Dr. A.R. Katti	F-IEI	---	MISSMFE	---	---
		F-IIBE	---	---	---	---
		LM-IGS	---	---	---	---
		LM- MUMBAI CHAPTER - IGS	---	---	---	---
		LM- DELHI CHAPTER - IGS	---	---	---	---
		LM-ISTE	M-IAE	---	---	---
2	Dr. H.S.Chore	LM - ISTE	---	---	---	Advanc es in Computa tional Design: An Internatio nal Journal (Techno- Press, Korea)



		LM - IE	---	---	---	---
		M-IGS	---	---	---	---
		M-ISH	---	---	---	---
3	Dr. Smita Patil	LM- ISTE	---	---	---	---
4	Mr.P.R.Bar bude	ISTE	IM 12937	---	---	---
		IE	MIE/11605 5/5	---	---	---
		IIBE	-	---	---	---
		ISET	LM 979	---	---	---
5	Mr. P.A.Dode	ISTE		---	---	---
		IIBE		---	---	---
6	Mr.P.V.Mu ley	ISTE	LM 12936	---	---	---
		IE (INDIA)	MIE/11605 4/5	---	---	---
		IIBE	LM-1290	---	---	---
		ISET	LM980	---	---	---
		INSDAG	IINDVML- 011	---	---	---
		IRC	OM-29653	---	---	---
		I Valuers	F-12863	---	---	
7	Mr.R.Kolis etty	ISTE	LM-18034	---	---	
		MIE	M-146808- 6	---	---	
9	Mrs. B.Manjulad evi	ISTE	-	---		



13	Mr.N.S.Kapse	LM- IST	---	---		
14	Mr.M.K.Vaidya	ISTE (Chapter)	-	---		
15	Dr. V.G.Patil	ISTE	LM-5111	---		
		IGS	LM-563	---		
17	Ms. Jessly Rajan	ASTM	---	---	---	---
		ACI	-	-	-	-
20	Mr. Deshmukh Pratap Damodarao	LM ISTE	-	-	-	-
		FIV	F- 7041	-	-	-
		MIE	-		-	-
22	Mr. G.A.Jewalikar	ISTE	-	---	-	-
23	Mrs.P.D.Bhawar	ISTE	LM 95014	-		
26	Mr.M.A.Bagade	ISTE	-	-	-	-
27	Mr.A.R.Deshmukh	AMIE	-	-	-	-
		ASHRAE	-	-	-	-
29	Mrs. M.P.J oshi	ISTE	-	-	-	-
32	Mr. N.S. Lendhe	AMIE	AM- 156241-2	-	-	-

FIEI - Fellow Institution of Engineers India

ISH – Indian

FIIBE - Fellow Indian Institution of Bridge Engineers

MISSMFE - Member International Society of Soil Mechanics and Foundation  
Engineering

LMIGS - Life Member Indian Geotechnical Society

LM- MUMBAI CHAPTER- IGS - Life Member Mumbai Chapter of Indian Geotechnical  
Society

LM-DELHI CHAPTER- IGS - Life Member Delhi Chapter of Indian Geotechnical  
Society

LMISTE - Life Member Indian Society for Technical Education

ISTE - Indian Society for Technical Education

I E - Institute of Engineers (India)



ISET - Indian Society of Earthquake Technology

INSDAG - Institute of Steel Development and Growth

I V- Institute of Valuers

IRC - Indian Roads Congress

ASHRAE- AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

AMIE- ASSOCIATE MEMBER OF INSTITUTE OF ENGINEERS

F- Fellow

M-Member

A- Associate

L-Life

OM- Ordinary Member

## 22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme-
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies-

YEAR	UG		PG	
	In-house (%)	Out-house %	In-house %	Out-house %
2013-14	100%	0	100%	0
2014-15	100%	0	100%	0
2015-16	100%	0	100%	0
2016-17	100%	0	100%	0

## 23. Awards / Recognitions received by faculty and students



**a) Awards / Recognitions received by Faculty:**

Sr. No.	Name	Award/Recognition	Organization/Conference	Year
1	Prof. H. S. Chore	Minor research grant for the project from the University of Mumbai.	University of Mumbai	2015-16
		Second prize for “experimental and numerical studies of solute contaminant transport through sand”	Smarter cities-India 2015: smarter solutions for a better tomorrow (SCI-2015)	2015
2	Dr. (Mrs.) S. B. Patil	First Ph.D research scholar from the college	DMCE	2015-16
		Second prize for “experimental and numerical studies of solute contaminant transport through sand”	Smarter cities-India 2015: smarter solutions for a better tomorrow (SCI-2015)	2015
3	Mr. P. R. Barbude and Mr. P. V. Muley	obtained funds for structural consultancy work		2015-16
4	Miss. Jessly Rajan	Best Paper award for “Experimental study on characteristics of polyster fiber concrete”	“ National Conference on Science, Engineering and Technology- NCSET 14”	2014

**b) Awards / Recognitions received by Student:**

**i. Academic achievements:**

Sr. No.	Name	Award/Rank	Year
1	Datta Shubendu S	First in University of Mumbai in the examination held in May 2015.	2015
2	Asher Ankit M.	Second in University of Mumbai in the examination held in May 2015.	2015



3	Menda Ashish P.	Fifth in University of Mumbai in the examination held in May 2015.	2015
4	Datta Shubendu S. (B.E.)	James Berkley Gold Medal G.D Daftary Gold Medal, the Smt. Savitha Kishore Shah Memorial award, the Late Shri Vijay Bhaskar Shirodkar Prize, the Sri Janardan Ganpatrao Bodhe Memorial Prize and the Dr. Theodore Cooke Memorial Prize for his outstanding performance in academics.	2015
5	M. E. students and the staff.	More than twenty five technical papers are published in conferences and journals	2015
6	Dr. V.B. Astankar	Got Awarded Ph.D.	2016

#### **ii. Cultural Achievements:**

Sr. No.	Student Name	Cultural Activity	Award	Year
1	Civil dance group, WEDEF	Inter-college dance competition held at K. J. Somaiya College of Engineering, Mumbai	won second prize	2015

#### **iii. Sport Achievements**

Sr. No.	Student Name	Sports Activity	Award	Year
1	Third year students Digvijay Singh, Ajinkya Gughe, Akshay Ahire, Pratik Borude, Sanket More and Vivek Gore	Water Polo sports event organized by University of Mumbai.	Secured fourth place	2015
2	Digvijay Singh and Ajinkya Gughe. (T.E)	Tug of War sports event organized by University of Mumbai.	Won silver medal	2015



24. List of eminent academicians and scientists / visitors to the department

Sr. No.	Name of Academician	Date	Academician Organization	Purpose of visit
1.	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,	February 28, 2009	CED, IIT Bombay	A One Day Workshop on:  <i>Advances in Civil Engineering and Infrastructure and Development (ACEID-2009)</i>
	<b>Dr. V. A. Sawant</b> Associate Professor,		CED, IIT, Roorkee	
	<b>Dr. S. N. Londhe,</b>		(VIT Pune),	
	<b>Dr. A. R. Katti</b> Professor,		(DMCE),	
	<b>Mr. Soma Vijay Kumar</b>		(CIDCO)	
2.	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,	March 17, 2012	CED, IIT Bombay,	A One Day Workshop on:  <i>Recent Advances in Civil Engineering (RACE-2012)</i>
	<b>Dr. C. H. Solanki</b> Professor,		(SVNIT Surat),	
	<b>Dr. S .B. Charhate</b> Professor,		HOC Pillai CET, Rasayni	
	<b>Mr. Soma Vijay Kumar</b>		(CIDCO)	
	<b>Mr. V. B. Ashtankar,</b>		MCGM, Mumbai	
3.	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,	December 23-27, 2013	CED, IIT Bombay	A One Week Short Term Training Programme on:  <i>Recent Developments in Infrastructure Field</i>
	<b>Dr. A. R. Katti</b> Professor,		(DMCE),	
	<b>Mr. V. B. Ashtankar,</b> MCGM, Mumbai		MCGM, Mumbai	



	<b>Mr. Vijay Kamble</b> Superintending Engineer,		^ CIDCO	(RDIF-2012)
	<b>Mr. Mohan Dagaokar</b> City Engineer,		NMMC	
	<b>Dr. J. N. Mandal,</b> Professor,		CED, IIT Bombay	
	<b>Mr. Cyrus M. Dordi</b> Ambuja Cement,		Mumbai.	
4.	<b>Dr. H. S. Patil</b> Professor,	December 19-24, 2014	AMD SVNIT Surat	A One Week Short Term Training Programme on:  <i>Applications of Mathematical Modeling, Numerical techniques and soft Computing Tools in Civil Engineering</i>
	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,		CED, IIT Bombay	
	<b>Dr. R .K. Ingle,</b> Professor,		AMD VNIT Nagpur	
	<b>Dr. J. N. Mandal</b> Professor,		IIT Bombay	
	<b>Dr .C.H. Solanki</b> Professor,		AMD SVNIT Surat	
	<b>Dr. S .B. Charhate</b> Professor,		HOC Pillai CET, Rasayni	
	<b>Dr. R. B. Magar</b> Professor,		AIKTC, Panvel	
	<b>Dr. Yogesh M. Desai,</b> J.K. and M.J. Mehta Chair Professor of Structural Engineering			A One Day Workshop on:  <i>Finite Element Method with Application in Civil Engineering</i>
5		January, 17(Saturday) 2015	CED, IIT Bombay	



6.	<b>Dr. R.K. Ingle,</b> Professor,	April 9-13, 2015	AMD VNIT Nagpur	A Three Days' Short Term Course (STC) on:
	<b>Dr. Ratnesh Kumar,</b> Assistant Professor,		AMD, VNIT, Nagpur	
	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,		CED, IIT Bombay	
	<b>Dr. V. A. Sawant</b> Associate Professor,		CED, IIT, Roorkee	<i>Structural Dynamics and Seismic Design of High Rise Buildings</i>
	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,		CED, IIT Bombay	
7	<b>Dr. H. S. Patil</b> Professor,	August 1, 2015	AMD SVNIT Surat	A One Day Workshop on:
	<b>Dr. Ratnesh Kumar,</b> Assistant Professor,		AMD, VNIT, Nagpur	<i>Geotechnical Earthquake Engineering, Seismic Retrofitting and Vulnerability Assessment (GEESRAVA)</i>
	<b>Dr. G. R. Dodagoudar</b> Professor,		IIT Madras	
8.	<b>Dr. Sanjay Kumar</b> Shukla Edith Cowan University,	December 15-16, 2015	Perth, Australia	A One Week Short Term Course on:
	<b>Dr. V. A. Sawant</b> Associate Professor,		CED, IIT, Roorkee	<i>Recent Advances in Structural and Geotechnical Engineering</i>
	<b>Dr. D. M. Dewaikar</b> Professor Emeritus,		CED, IIT Bombay	A One Week Short Term Course on:
	<b>Dr. G. R. Dodagoudar</b> Professor,		IIT Madras	<i>Recent Advances in</i>



9.	<b>Dr. R. D. Satish Kumar</b> Professor,	December 17-22, 2015	IIT Madras	<b>Structural and Geotechnical Engineering</b>
	<b>Dr. L. M. Gupta</b> Professor,		VNIT Nagpur	
	<b>Dr. Ratnesh Kumar,</b> Assistant Professor,		AMD, VNIT, Nagpur	
	<b>Dr. Sharbani Adhikary</b> Assistant Professor,		AMD, VNIT, Nagpur	
10	<b>Mr. Hemant Vadalkar</b> STAAD Centre,	December 20-24, 2015	Thane, Mumbai	A Short Term Training Programme on:  <i>Application of STAAD in Civil Engineering</i>
11.	<b>Dr .C.H. Solanki</b> Professor,	20-24 December 2016	AMD SVNIT Surat	<b>A One Week Short Term Course on “Recent Advances In The Field Of Transportation Engineering And Infrastructure Development”</b>
	<b>Dr. Chetan Patel</b>			
	<b>Mr. Mohan Dagaonkar</b>			
	<b>Mr. Soma Vijay Kumar</b> (CIDCO)			
	<b>Dr. J. N. Mandal</b> Professor,		IIT,Mumbai	
	<b>Dr. R. B. Magar</b> Professor,		AIKTC, Panvel	

**25. Seminars/ Conferences/Workshops organized & the source of funding**

**a. Name & details of Seminar conducted by the department: NIL**



**b. Name & details of workshop conducted by the department:**

Sr. No.	Name of Workshop	Organizing Agency / Expert/ Speaker	Source of Funding	Amount	Duration	Year
1.	A One Day Workshop on:  <i>Advances in Civil Engineering and Infrastructure and Development (ACEID-2009)</i>	<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay  <b>Dr. V. A. Sawant</b> Associate Professor, CED, IIT, Roorkee  <b>Dr. S. N. Londhe,</b> (VIT Pune),  <b>Dr. A. R. Katti</b> Professor, (DMCE),  <b>Mr. Soma Vijay Kumar</b> (CIDCO)	<b>Self- Sponsored Organized by the:</b> Department of Civil Engineering, DMCE in association with Association of Civil Engineering Students (ACES), DMCE		February 28, 2009	2009
2.	A One Day Workshop on:  <i>Recent Advances in Civil</i>	<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay,	<b>Self- Sponsored Organized by the:</b> Department of Civil		March 17, 2012	2012



	<b>Engineering (RACE-2012)</b>	<b>Dr. C. H. Solanki</b> Professor, (SVNIT Surat),  <b>Dr. S .B. Charhate</b> Professor, HOC Pillai CET, Rasayni  <b>Mr. Soma Vijay Kumar (CIDCO)</b>  <b>Mr. V. B. Ashtankar,</b> MCGM, Mumbai	Engineering, DMCE Airoli			
3.	A One Week Short Term Training Programme on:  <b>Recent Developments in Infrastructure Field (RDIF- 2012)</b>	<b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay  <b>Dr. A. R. Katti</b> Professor, (DMCE),  <b>Mr. V. B. Ashtankar,</b> MCGM, Mumbai  <b>Mr. Vijay Kamble</b> Superintending Engineer, CIDCO  <b>Mr. Mohan Dagaokar</b>	<b>Self- Sponsored</b>  <b>Organized by the:</b> Department of Civil Engineering, DMCE Airoli in association with Indian Society for Technical Education (ISTE)		December 23-27, 2013	2013



		City Engineer, NMMC  <b>Dr. J. N. Mandal,</b> Professor, CED, IIT Bombay  <b>Mr. Cyrus M. Dordi</b> Ambuja Cement, Mumbai.				
4.	A One Week Short Term Training Programme on:  <i>Applications of Mathematical Modeling, Numerical techniques and soft Computing Tools in Civil Engineering</i>	<b>Dr. H. S. Patil</b> Professor, AMD SVNIT Surat  <b>Dr. D. M. Dewaikar</b> Professor Emeritus, CED, IIT Bombay  <b>Dr. R .K. Ingle,</b> Professor, AMD VNIT Nagpur  <b>Dr. J. N. Mandal</b> Professor, IIT Bombay,  <b>Dr .C.H. Solanki</b> Professor, AMD SVNIT Surat  <b>Dr. S .B.</b>	<b>Self- Sponsored</b>  <b>Organized by the:</b> Department of Civil Engineering, DMCE Airoli in association with Indian Society for Technical Education (ISTE)		December 19-24, 2014	2014



		<b>Charhate</b> Professor, HOC Pillai CET, Rasayni				
		<b>Dr. R. B. Magar</b> Professor, AIKTC, Panvel				
5.	A One Day Workshop on:  <i>Finite Element Method with Application in Civil Engineering</i>	<b>Dr. Yogesh M. Desai,</b> J.K. and M.J. Mehta Chair Professor of Structural Engineering CED, IIT Bombay	<b>Self- Sponsored</b>  <b>Organized by the:</b> Department of Civil Engineering, DMCE Airoli		January, 17(Saturday) 2015	2015
6.	A Three Days' Short Term Course (STC) on:  <i>Structural Dynamics and Seismic Design of High Rise Buildings</i>	<b>Dr. R .K. Ingle,</b> Professor, AMD VNIT Nagpur	<b>Self- Sponsored</b>  <b>Organized by the:</b> Department of Civil Engineering, DMCE Airoli		April 9-13, 2015	



		<b>Dr. V. A. Sawant</b>  Associate Professor, CED, IIT, Roorkee				
7.	A One Day Workshop on:  <i>Geotechnical Earthquake Engineering, Seismic Retrofitting and Vulnerability Assessment (GEESRAVA)</i>	<b>Dr. G. R. Dodagoudar</b>  Professor, IIT Madras  <b>Dr. H. S. Patil</b>  Professor, AMD SVNIT Surat  <b>Dr. Ratnesh Kumar</b> , Assistant  Professor, AMD, VNIT, Nagpur	<b>Self- Sponsored  Organized by the:</b>  Department of Civil Engineering, DMCE Airoli		August 1, 2015	2015
8.	Two Days' International (Speaker) Training Course on:  <i>Introduction to Geosynthetics and Ground Engineering</i>	<b>Dr. Sanjay Kumar Shukla</b>  (Edith Cowan University, Perth, Australia)  <b>Dr. V. A. Sawant</b>  Associate Professor, CED, IIT, Roorkee	<b>Self- Sponsored  Organized by the:</b>  Department of Civil Engineering, DMCE Airoli		December 15-16, 2015	2015
9.	A One Week	<b>Dr. D. M.</b>	<b>Self-</b>		December	



	Short Term Course on:  <i>Recent Advances in Structural and Geotechnical Engineering</i>	<b>Dewaikar</b> Professor Emeritus, CED, IIT Bombay  <b>Dr. G. R. Dodagoudar</b> Professor, IIT Madras  <b>Dr. R. D. Satis Kumar</b> Professor, IIT Madras  <b>Dr. L. M. Gupta</b> Professor, VNIT Nagpur  <b>Dr. Ratnesh Kumar</b> , Assistant Professor, AMD, VNIT, Nagpur  <b>Dr. Sharbani Adhikary</b> Assistant Professor, AMD, VNIT, Nagpur	<b>Sponsored Organized by the:</b> Department of Civil Engineering, DMCE Airoli		17-22, 2015	
10.	A Short Term Training Programme on:  <i>Application of</i>	<b>Mr. Hemant Vadalkar</b> STAAD Centre, Thane, Mumbai.	<b>Self-Sponsored Organized by the:</b>		December 20-24, 2015	2015



	<b>STAAD in Civil Engineering</b>		Department of Civil Engineering, DMCE, Airoli			
11.	A One Week Short Term Course on “Recent Advances In The Field Of Transportation Engineering And Infrastructure Development”	<b>Dr .C.H. Solanki</b> Professor, AMD SVNIT Surat  <b>Dr. Chetan Patel</b>  <b>Mr. Mohan Dagaonkar</b>  <b>Mr. Soma Vijay Kumar (CIDCO)</b>	<b>Self-Sponsored Organized by the:</b> Department of Civil Engineering, DMCE, Airoli		20-24 December 2016	2016

**c. Details of the expert lectures organized by department:**

Sr. No.	Name of Expert	Title of the talk	Day
1.	<b>Mr. Mrugesh Bhustali</b> Head-CASC, Div of Grasim Industries Ltd.	<b>Birla White Cement</b>	August 25,2009
2.	<b>Dr. Henry Babu</b> Director, New Horizon Institute of Management Studies and Research, Airoli, Navi Mumbai.	<b>Advanced Diploma in Project management in Building Construction</b>	August 31,2009
3.	<b>Mr. Viraj Dholekar</b> Project Engineer, Singapore	<b>Opportunities for Civil Engineer's in Ocean Technology</b>	4 <sup>th</sup> September, 2009



	Acergy Pvt. Ltd., Singapore		
4.	<b>Dr. B. N. Pandya</b>  Head, Structural Engineering Department, SPCE, Mumbai	<b>Fundamentals of Structural Analysis</b>	16 <sup>th</sup> September , 2009
5.	<b>Mr. R. Chaudhary</b>  Career Launchers, Mumbai.	<b>Importance of GATE Exam</b>	24 <sup>th</sup> September, 2009
6.	<b>Dr. V. A. Sawant</b>  Associate Professor, CED, IIT, Roorkee	<b>Soil -Structure Interaction</b>	25 <sup>th</sup> September, 2014
7.	<b>Mr. Madhav Hari Joshi</b>  UHDE India Ltd.	<b>Day to Day Challenges in Civil Engineering and Modern Techniques of Construction</b>	1 <sup>st</sup> October, 2014
8.	<b>Mr. Hemant Gor</b>  Structural Consultant, Dubai	<b>Design Aspects of Tall Buildings</b>	12 <sup>th</sup> August, 2015
9.	<b>Mr. Kulvinder Singh</b>  Assistant Manager, A. C. C. Ltd., CBD Belapur, Navi Mumbai	<b>New Technologies in Concrete</b>	15 <sup>th</sup> September, 2015

**26. Student profile programme/course wise:**

\*M = Male \*F = Female

Year	Applicatio ns Received	Selected	FE		DSE		Pass Percentage	
			M	F	M	F	Without kt	With kt
2012-13								
FE Sem I (Dec 12)	130	130	108	22	-	-	59.23	-
FE Sem II (May 13)	130	130	108	22	-	-	51.53	58.73



		<b>DSE</b>		<b>DSE</b>							
SE Sem III (Dec 13)	114	39	114	39	94	20	28	11	50.32	56.57	
SE Sem IV (May 14)	114	39	114	39	94	20	28	11	60.13	45.9	
TE Sem V (Dec 14)	107	37	107	37	88	19	26	11	68.05	43.47	
TE Sem VI (May 15)	107	37	107	37	88	19	26	11	58.33	56.67	
BE Sem VII (Dec 15)	84	32	84	32	64	20	23	09	89.66	40	
BE Sem VIII (May 16)	84	32	84	32	64	20	23	09	91.38	-	
<hr/>											
<b>2013-14</b>											
FE Sem I (Dec 13)		185		185		150	35		49.28%		
FE Sem II (May 14)		185		185		150	35		55.10%		
		<b>DSE</b>		<b>DSE</b>							
SE Sem III (Dec 14)	177	52	177	52	143	34	37	15	52.03%	50.22%	
SE Sem IV (May 15)	177	52	177	52	143	34	37	15	57.94%	54.15%	
TE Sem V (Dec 15)	130	38	130	38	103	27	26	12	59.90%	73.81%	
TE Sem VI (May 16)	130	38	130	38	103	27	26	12	71.28%	82.74%	
BE Sem-VII (Dec.16)	138	47	138	47	106	31	34	13	88.10 %	91.35 %	
<hr/>											
<b>2014-15</b>											
FE Sem I (Dec 14)	164	-	164	-	130	34	-	-	53.04	-	
FE Sem II (May 15)	164	-	164	-	130	34	-	-	35.36	65.24	
		<b>DSE</b>		<b>DSE</b>							
SE Sem III (Dec 15)	150	53	150	53	117	33	33	20	42.85 %	65.51 %	
SE Sem IV (May 16)	150	53	150	53	117	33	33	20	39.90 %	75.85 %	



TE Sem – V (Dec.16)	142	51	142	51	110	32	31	20	35.22 %	63.21 %
<hr/>										
<b>2015-16</b>										
FE Sem I (Dec 15)	175		175		140		35		51.43%	
FE Sem II (May 16)	175		175		140		35		47.42%	21.43%
		<b>DSE</b>		<b>DSE</b>						
Sem – III (Dec.16)	160	62	160	62	125	35	43	19	57.65 %	
<b>2016-17</b>										
FE Sem – I (Dec.16)	168		168		130	38	----		45.51 %	

**27. Diversity of Students**

Course	Year	Shift	% of the students from the same state	% of the students from other states	No. of students from the abroad
B.E. CIVIL ENGINEERING	2013-14	Ist	<b>99.19%</b>	<b>0.81%</b>	--
		IIInd	<b>98.33%</b>	<b>1.67%</b>	--
	2014-15	Ist	<b>98.05%</b>	<b>1.95%</b>	--
		IIInd	<b>100%</b>	<b>0%</b>	--
	2015-16	Ist	<b>100%</b>	<b>0%</b>	--
		IIInd	<b>100%</b>	<b>0%</b>	--
	2016-17	Ist	<b>100%</b>	<b>0%</b>	--
		IIInd	<b>100%</b>	<b>0%</b>	--
M.E. STRUCTURE	2013-14	Ist	<b>100%</b>	<b>0%</b>	--
	2014-15	Ist	<b>100%</b>	<b>0%</b>	--
	2015-16	Ist	<b>100%</b>	<b>0%</b>	--
	2016-17	Ist	<b>100%</b>	<b>0%</b>	--

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.**



SR NO	YEAR	Students cleared National and State competitive examinations				
		GATE	UPSC/MPSC	Defense services	GRE/ GMAT	CAT
1	2013-14	21	----	----	----	----
2	2014-15	02	----	----	----	----
3	2015-16	03	----	----	----	----

**29. Student progression**

**Students' progression 2013-14**

Student progression	Against % enrolled
<b>UG to PG</b>	20.51%
<b>PG to M.Phil</b>	-
<b>PG to Ph.D.</b>	5.55%
<b>Ph.D. to Post-Doctoral</b>	-
<b>Employed</b> <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>	19.09 % Students by Campus selection.
<b>Entrepreneurship/self-employment</b>	3.2%



---

**Students progression 2014-15**

Student progression	Against % enrolled
<b>UG to PG</b>	31%
<b>PG to M.Phil</b>	-
<b>PG to Ph.D.</b>	
<b>Ph.D. to Post-Doctoral</b>	-
<b>Employed</b> <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>	15.12 % Students by Campus selection.
<b>Entrepreneurship/self-employment</b>	5%

**Student's progression 2015-16**

Student progression	Against % enrolled
<b>UG to PG</b>	40%
<b>PG to M.Phil</b>	-
<b>PG to Ph.D.</b>	5.55%
<b>Ph.D. to Post-Doctoral</b>	-
<b>Employed</b> <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>	22.72 % Students by Campus selection.
<b>Entrepreneurship/self-employment</b>	4.5%



---

### 30. Details of Infrastructural facilities:

#### a) Library

##### Central library details-

##### Library resources information -

		Books purchasing in last four years		
Journals 2015-16	Print journals 2015-16	Titles	Copies	
E-journals Packages	Print Journals/Magazines	Year 2015-16		
ASCE, McGraw	14+3=17	45	86	
Year 2014-15	Year 2014-15	Year 2014-15		
ASCE	nil	47	102	
Journals 2013-14	Journals 2013-14	Year 2013-14		
ASCE	nil	205	339	
Journals 2012-13	Journals 2012-13	Year 2012-2013		
ASCE	nil	179	293	

##### Department library-

Sr no	Title	No
1	No of books	407
2	Journals	12
3	Handbook	05



**b) Internet facility for staff and students**

Sr no	Title	Details of items	No
1	Internet facility for staff and students	1.Computers / laptops	85
		2. Computer with internet facility	85

**c) Classrooms with ICT facility**

Sr no	Title	Details of items	No
1	Classrooms with ICT facility	No of classrooms and ICT facility available	02

**d) Laboratories**

Sr. No.	Details	Name of Lab	Room No.	Area (sqm)	Investment till Date
01	PG-Lab	PG Computational	A002	80.72	15,00,000
02	Lab	Applied Hydraulics	A006	81.94	4,51,148
03	Lab	Fluid Mechanics	A007	72.18	68,636
04	Lab	Material Testing	A009	100.56	13,66,797
05	Lab	Concrete Technology	A010	69.46	5,39,670
06	Lab	Geotechnical Engineering	A011	97.99	12,00,000
07	Lab	Survey Store	A012	23.14	15,50,000
08	Lab	Environmental Engineering	A306	84.87	1,95,844
09	Lab	Transportation Engineering	A013	95.96	2,24,500



10	Lab	UG Computational	A109	74.00	9,30,000
11	PG-Lab	PG Research Computational	A202	80.72	4,00,000
12	Lab	Engineering Mechanics	C309	99.00	1,11,515
13	Lab	Engineering Geology	C407	70.00	1,25,000

### **List of Major Equipments-**

<b>Sr. No</b>	<b>Name of Lab</b>	<b>Name of Major Equipments</b>
01	PG Computational	Computers, Staad Pro. 2007, ETABS.
02	Applied Hydraulics	Tilting Flume, Pelton Wheel Turbine, Francis Turbine, Centrifugal Pump, Reciprocating Pump, Impact of jet App.,
03	Fluid Mechanics	Reynolds App., Orifice Mouthpiece App., Venturimeter, Orifice Meter, Nozzle Meter, Rota Meter App.
04	Material Testing	UTM 1000 KN, Comp. Testing M/c, Abrasion Testing M/c, Torsion Testing M/c, Impact Testing M/C, Rockwell Hardness Tester, timber moisture meter.
05	Concrete Technology	Comp. testing M/c TM 1000 kN, Vee Bee App, Flow Table, Concrete mixer, Slump Cone, Concrete core Cuter .
06	Geotechnical Engineering	CBR, Triaxial testing M/c, UCS Testing M/C, Consolidation App., Box Shear App., Field CBR, Permeability App.,
07	Survey Store	Total Station, Theodolite, Auto Level, Dumpy Level, Digital Planimeter,
08	Environmental Engineering	BOD Incubator, COD Digester, Turbidimeter, P <sup>H</sup> Meter, Residual chlorine kit, Oven, muffle Furnace, high volume sampler, jar test App.
09	Transportation Engineering	Ductility, Marshal Stability, Los Angel's Abrasion Test, CBR, Impact, Crushing
10	UG Computational	Computers, Auto Cad



11	PG Research Computational	Computers, Staad Pro. 2007
11	Engineering Mechanics	Beam Reaction App., Friction Slide App., Jib Crane, Fly Wheel, Link Polygon, Simple Pendulum, Bell Crank Lever App.
12	Engineering Geology	Rock Samples, Mineral Sample, Geological Structural Models, Civil Engineering Models.

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

Scholarship Received by Student ( Other than PLA A/C )									
Sr . N o.	Details of Financial Assistance	SC/ST/OBC/SB /NT/VJ		Minority		EBC		OTHER	
		Count	Amount	COUN T	AMOU NT	COUN T	AMOU NT	Cou nt	Amou nt
1	2013-2014	112	7469814	0	0	19	14,01,561	0	
2	2014-2015	103	5,971,797	0	0	49	42,17,260	0	
3	2015-2016	184	5163778	0	0	0	0	7	29000

**32. Details on student enrichment programmes (special lectures / workshops seminar) with external experts**

Sr. No.	Name of External expert	Topic of Talk	Year
1.	Training & Placement cell	Aptitude test	23.8.2013
2.	TCS	Seminar- roll of non I.T. students in I.T. companies	23.9.2013
3.	Lecture by TPO	Softskill (I.T.)	5.2.2014



4.	RICS	Future scope for civil Engg. Students	13.2.2014
5.	Infosys	Discuss the road ahead with campus connect partnership	6.3.2014
6.	Persistent	Regarding projects during B.E. for T.E. students.	2.4.2014
7.	Reliance ADA	Job opportunities in reliance ADA	2.5.2014
8.	Urban Transit Pvt. Ltd	Safety briefing & presentation on monorail system	3.7.2014
9.	Lecture by TPO	Resume & Ethics, G.D. & P.I.	22.7.2014
10.	Lecture by TPO	Seminar on campus recruitment process	1.8.2014
11.	Lecture by TPO	Seminar on Aptitude test	5.8.2014
12.	CPLC	Test analysis	6.8.2014
13.	Lecture by TPO	Seminar on Resume and Documentation	8.8.2014
14.	TIME	Seminar on GATE, GD, PI	14.8.2014
15.	Lecture by TPO	Interview & G.D. communication in business world	22.8.2014
16.	Endeavor	Aptitude test for campus recruitment	25.8.2014
17.	Smart	Online test	28.8.2014



18.	Dr. V. A. Sawant Associate Professor, CED, IIT, Roorkee	Soil -Structure Interaction	25 <sup>th</sup> September, 2014.
19.	Mr. Madhav Hari Joshi UHDE India Ltd.	Day to Day Challenges in Civil Engineering and Modern Techniques of Construction	1 <sup>st</sup> October, 2014.
20.	Mr. Hemant Gor Structural Consultant, Dubai	Design Aspects of Tall Buildings	12 <sup>th</sup> August,2015
21.	Mr. Kulvinder Singh Assistant Manager, A. C. C. Ltd., CBD Belapur, Navi Mumbai	New Technologies in Concrete	15 <sup>th</sup> September,2015
22.	Lecture by TPO	Seminar regarding placements	11.3.2015
23.	Lecture by TPO	What to do for getting placements	23.3.2015
24.	CII workshop	Gender diversity at work place	26.3.2015
25.	Lecture by TPO	Documentation	14.7.2015
26.	Lecture by TPO	Seminar on behavior	15.7.2015
27.	Lecture by TPO	Documentation	23.7.2015
28.	Grad 2guru	Etiquettes & values	24.7.2015
29.	CPLC	Aptitude test & G.D.	27.7.2015
30.	Career Launchers	Aptitude test	29.7.2015
31.	Lecture by TPO	Preparation for campus	29.7.2015
32.	IMS	Aptitude test & G.D.	3.8.2015
33.	Lecture by Captain Tope	Career in defense	12.8.2015



34.	Indian Navy	Motivation cum awareness about recruitment in Indian Navy	2.2.2016
35.	International Knowledge Center	study in U.S./ representatives of U.S. universities will present	1.3.2016
36.	Ex Accenture- free Launcer- Mr. Vishwajeet	Campus Process	5.3.2016
37.	Aliff	Overseas education	15.3.2016
38.	VINAY RAIKAR	SOFTSKILL	27.06.2016 TO 02/07/2016
39.	Code Vita		18.7.2016
40.	Webinar by TCS	Resume Building	27.07.2016
41.	Webinar by TCS	Interview Techniques	04.08.2016
42.	External agency	Swami Ramkrishna Mission	16.8.2016
43.	External Agency	Job opportunity for Engineers in Govt. Sector	23.09.2016

### 33. Teaching methods adopted to improve student learning

#### a. Teaching innovations

- All the faculties are highly qualified with mixed of rich experience in academics and industry
- Personal counseling through counselors and special attention was taken for weaker students
- The content of lectures are chosen to meet the course objectives set for the course by the curriculum designers and the faculty by defining the proper lesson plan for the subject.



Sr.No.	Details of innovation	description
1	Quizzing	Regular class /surprise tests are conducted to judge the ability and understanding capability of students
2	Personal counseling/teacher guardian	Every teacher guardian takes Personal attention on weaker students and frequent updating of students status to their parents/guardians through mailing and meeting them personally. students monthly attendance reports are sent to their homes for their perusal.
3	Use of LCD projector for presentations	Presentations were made by the faculty members and/or downloaded from net for easy understanding of students

### b. Learning innovations

- Continuous assessment of students by timely given assignments and timely corrections
- Additional knowledge gained through arrangements of expert talks

Sr.No.	Details of innovation	description
1	Assignments/Tutorials	Assignments were given to develop the problem solving and case study handling skills. Exposure to variety of problems including GATE/IES level
1	Seminars/workshops	To get the knowledge about the advancements happening in various technological fields and approaches followed by individuals, many Workshops and training programs were conducted in different areas of advancements in civil engineering. Experts from different IIT's NIT's and premier institutes were invited as speakers.
2	Industrial visits/site visits	During the course period for getting more practical knowledge site visits were arranged for different subjects through which students can practically visualize and participate in live field ongoing works.
3	Internships	Faculty encourages students to achieve practical knowledge and industrial exposure through internship program



4	Organizing technical events	Faculty encourages students to improve their leadership qualities, group management skills and develop self confidence and personality through organizing technical events
---	-----------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

1. Conducted donation camp at Adivasi Pada , Jambhavali, Dist- Raigad  
Donated Material- Cloths – 150 (pants and shirts)  
Grains- Dal, Rice and Wheat- 40 kg each , Date- 11<sup>th</sup> Nov, 2016
2. Conducted donation camp at Adivasi Pada , Jambhavali, Dist- Raigad  
Donated Material- Cloths – 200 (pants and shirts)  
Grains- Dal, Rice and Wheat- 60 kg each, Date- 15<sup>th</sup> March, 2017
3. Conducted Blood donation Camp by DMCE, Airoli around 15 students and staff donated blood and participated actively.

**35. SWOC analysis of the department and Future plan**

**S- Strength:**

1. Well qualified, experienced and dedicated faculty.
2. Well established labs for academic and industry needs.
3. Excellent results with university rankers like Gold Medalist over the last four to five academic years.
4. Active participation of teaching faculty in attending workshops, seminars and conferences at the national and international level.
5. Paper presentations by the entire experienced faculty at various conferences and journals at the national and international level.
6. Delivering lectures in Faculty Development programmes, organized by various institutes.

**W - Weakness:**

1. More efforts are required to increase the placement of students in CORE companies.
2. An increase in MOU (Memorandum of Understanding) with leading construction companies for training, consultancy and placement purpose.
3. Students have to be motivated for summer/winter vacation training in construction field and consultancy firms.

**O- Opportunities:**

1. Getting more funded projects from government organizations and construction industries.



- 
2. To establish industry-interaction activities for increasing the knowledge of faculty and students with related activities of latest technological developments.
  3. To encourage and motivate the students in active participation of publishing the technical papers at various workshops, seminars, conferences and journals.

**C- Challenges:**

1. To face the competition from other colleges of the university in improving the technology development and overall infrastructure development of the department.
2. To invite multi-national companies to the department in training our students on emerging technologies and to recruit them in their companies.

**Future Plans of the Department:**

1. To equip all the laboratories with advanced/sophisticated equipments.
2. To carry out more quality improvement programmes on latest technologies for students of the departments.
3. To increase experience faculty in the department by inviting experts from the construction industry and consultancy organizations

**Departments of Computer Engineering**

- 1. Name of the department: Computer Engineering**
- 2. Year of Establishment :1992**
- 3. Names of Programs / Courses offered – UG, PG & PhD**

<b>Names of Programs</b>	<b>Year of establishment</b>
BE Computer Engineering (Intake 120)	1992-93
ME Computer Engineering (Intake 18)	2010-11
PhD Computer Engineering (Intake 10)	2013-14

- 4. Names of Interdisciplinary courses and the departments/units involved:**

<b>S. N.</b>	<b>Interdisciplinary courses</b>	<b>Department involved</b>
1	M-III, M-IV	Humanities & Sciences
2	Data Base Information & Retrieval System	Civil Engineering
3	Business Communication Ethics	Humanities & Sciences

- 5. Annual/ semester/choice based credit system (Programme wise):**

<b>S. N.</b>	<b>Programme</b>	<b>Evaluation System</b>
1	Bachelor of Engineering (B.E.)	i) For FE Choice Based Credit Grading System (CBCGS) from academic year 2016-17. Examinations conducted semester wise. ii) For SE/TE/BE Credit Based Semester Grading System (CBSGS) from academic year 2012-13. Examinations conducted semester wise.
2	Master of Engineering (M.E.)	i) Choice Based Credit Grading System (CBCGS) from academic year 2016-17.



		Examinations conducted semester wise. ii) Credit Based Semester Grading System (CBSGS) from academic year 2012-13. Examinations conducted semester wise.
3	Ph. D.	Annual based Credit System

**6. Participation of the department in the courses offered by other departments-Basic Sciences Departments.**

S. N.	Interdisciplinary courses	Department involved
1	Data Base Information & Retrieval System	Civil Engineering

**7. Courses in collaboration with other universities, industries, foreign institutions: NIL****8. Details of courses/programs discontinued (if any) with reasons-NIL****9. Number of teaching posts****EVEN SEM 2016-17**

	Sanctioned	Filled
Professors	3	1
Associate Professors	6	1
Assistant Professors	19	33

**TOTAL = 35**

**ODD SEM 2016-17**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL = 35****EVEN SEM 2015-16**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL=35****ODD SEM 2015-16**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL = 35**

**EVEN SEM 2014-15**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL=35****ODD SEM 2014-15**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL=35****EVEN SEM 2013-14**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL=35**

**ODD SEM 2013-14**

	<b>Sanctioned</b>	<b>Filled</b>
Professors	3	1
Associate Professors	6	0
Assistant Professors	19	34

**TOTAL=35**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

**EVEN SEM 2016-17**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Designation</b>
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Dr.Vaikole Shubhangi Liladhar	PhD.(Computer ) 2017	Associate Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor



8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor
10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor
13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Johnson Mathew	M.E.Computer	Asst. Professor
18	Mendhe Raju Nilkanthrao	M.E. Elex.& Tele.	Asst. Professor
19	Deshmukh Vaishali Tryambakrao	M.E.Computer	Asst. Professor
20	Sawarkar Jayant Deoraoji	M.E.Computer	Asst. Professor
21	Saumya Salian Ravindranath	M.Tech Database systems. 2015	Asst. Professor
22	Junankar Dipali Nikhil	M.E.Computer 2015	Asst. Professor
23	Singh Sadhana Ashok	M.Tech. I.T. 2015	Asst. Professor
24	Sonal Badhe	M.E. Comp. Sci. 2014	Asst. Professor
25	Dipali Chavan	M.E.Computer 2011	Asst. Professor
26	Suruchi Ruiewale	M.E.Computer Sci 2015	Asst. Professor

---



27	Chaudhari Smita	MSc. Mathematics	Asst. Professor
28	Patange S.B	M.A. English 2008	Asst. Professor
29	S. Potdar	MSc. Mathematics 2015	Asst. Professor
30	Khorne Santosh	M.E Computer	Asst. Professor
31	Maiti Kakuli Abhijit	Msc. Physics	Asst. Professor
32	Dr.Balsaraf Vijay Manohar	PhD. Chemistry	Asst. Professor
33	Dr. Kanungo Prachi Nitin	PhD English	Asst. Professor
34	Dhurde Ganesh Pandurang	ME (Manufacturing)	Asst. Professor
35	Rangari Shraddha prabhudas	ME (CAD/CAM ROBOTICS)	Asst. Professor

**ODD SEM 2016-17**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Designation</b>
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor

---



9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor
10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor
13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Johnson Mathew	M.E.Computer	Asst. Professor
18	Mendhe Raju Nilkanthrao	M.E. Elex.& Tele.	Asst. Professor
19	Deshmukh Vaishali Tryambakrao	M.E.Computer	Asst. Professor
20	Sawarkar Jayant Deoraoji	M.E.Computer	Asst. Professor
21	Jain Parul Vidyesh.	M.E. Computer Sci. 2014	Asst. Professor
22	Saumya Salian Ravindranath	M.Tech Database systems. 2015	Asst. Professor
23	Junankar Dipali Nikhil	M.E.Computer 2015	Asst. Professor
24	Singh Sadhana Ashok	M.Tech. I.T. 2015	Asst. Professor
25	Sonal Badhe	M.E. Comp. Sci. 2014	Asst. Professor
26	Dipali Chavan	M.E.Computer 2011	Asst. Professor
27	Suruchi Ruiewale	M.E.Computer Sci 2015	Asst. Professor



28	Chaudhari Smita	MSc. Mathematics	Asst. Professor
29	Patange S.B	M.A. English 2008	Asst. Professor
30	S. Potdar	MSc. Mathematics 2015	Asst. Professor
31	Maiti Kakuli Abhijit	Msc. Physics	Asst. Professor
32	Dr.Balsaraf Vijay Manohar	PhD. Chemistry	Asst. Professor
33	Dr. Kanungo Prachi Nitin	PhD English	Asst. Professor
34	Dhurde Ganesh Pandurang	ME (Manufacturing)	Asst. Professor
35	Rangari Shraddha prabhudas	ME (CAD/CAM ROBOTICS)	Asst. Professor

**EVEN SEM 2015-16**

1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor



10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor
13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Johnson Mathew	M.E.Computer	Asst. Professor
18	Mendhe Raju Nilkanthrao	M.E. Elex.& Tele.	Asst. Professor
19	Deshmukh Vaishali Tryambakrao	M.E.Computer	Asst. Professor
20	Sawarkar Jayant Deoraoji	M.E.Computer	Asst. Professor
21	Suke Amita Priyadarshan	M.E.Computer 2015	Asst. Professor
22	Gaikwad Vandana	B.E. Computer 2006 M.E.Computer. (Pursuing)	Asst. Professor
23	Kadu Siddhi Nikhil	M.E. Computer Sci. 2014	Asst. Professor
24	Jain Parul Vidyesh.	M.E. Computer Sci. 2014	Asst. Professor
25	Saumya Salian Ravindranath	M.Tech Database systems. 2015	Asst. Professor
26	Junankar Dipali Nikhil	M.E.Computer 2015	Asst. Professor
27	Singh Sadhana Ashok	M.Tech. I.T. 2015	Asst. Professor
28	Sonal Badhe	M.E. Comp. Sci. 2014	Asst. Professor



29	Priya Deshmukh	M.E. Computer 2014	Asst. Professor
30	Dipali Diwase	M.E. Computer 2014	Asst. Professor
31	Shivani Raina	M.E. Computer 2014	Asst. Professor
32	Neha Verma	M.E. Computer 2014	Asst. Professor
33	Damle Dipti	M.Sc. Mathematics	Asst. Professor
34	Maiti Kakuli Abhijit	MSc. Physics	Asst. Professor
35	Dr.Balsaraf Vijay Manohar	PhD. chemistry	Asst. Professor

**ODD SEM 2015-16**

Sr. No.	Name of the Faculty	Qualification	Designation
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor

---



10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	M.E. (Electronics) 2013	Asst. Professor
13	Pawar Chhaya Shishir	M.E. ( Computer ) 2013	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Johnson Mathew	M.E.Computer	Asst. Professor
18	Mendhe Raju Nilkanthrao	M.E. Elex.& Tele.	Asst. Professor
19	Deshmukh Vaishali Tryambakrao	M.E.Computer	Asst. Professor
20	Sawarkar Jayant Deoraoji	M.E.Computer	Asst. Professor
21	Suke Amita Priyadarshan	M.E.Computer 2015	Asst. Professor
22	Gaikwad Vandana	B.E. Computer 2006 M.E.Computer. (Pursuing)	Asst. Professor
23	Kadu Siddhi Nikhil	M.E. Computer Sci. 2014	Asst. Professor
24	Jain Parul Vidyesh.	M.E. Computer Sci. 2014	Asst. Professor
25	Saumya Salian Ravindranath	M.Tech Database systems. 2015	Asst. Professor
26	Junankar Dipali Nikhil	M.E.Computer 2015	Asst. Professor
27	Singh Sadhana Ashok	M.Tech. I.T. 2015	Asst. Professor
28	Sonal Badhe	M.E. Comp. Sci. 2014	Asst. Professor
29	Priya Deshmukh	M.E. Computer 2014	Asst. Professor

---



30	Dr. Aruna Henry	Ph. D. ( English) 2001	Asst. Professor
31	Patange S.B	M.A. English 2008	Asst. Professor
32	Pooja Bhise	M.E. Computer 2014	Asst. Professor
33	Priyanka Dhuliya	M.Tech. Computer 2012	Asst. Professor
34	Damle Dipti	M.Sc. Mathematics	Asst. Professor
35	Maiti Kakuli Abhijit	MSc. Physics	Asst. Professor

**EVEN SEM 2014-15**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Designation</b>
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor
10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor



11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor
13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E. ( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Mrs. Suke Amita P.	B.E. I.T. 2010	Asst. Professor
18	Mrs. Junankar Dipali N.	B.E. Computer 2003	Asst. Professor
19	Mrs. Kapoor Suchi	M. Tech. Computer 2014	Asst. Professor
20	Mrs. Gaikwad Vandana	B.E. Computer 2006	Asst. Professor
21	Mrs. Mahajan Pooja K.	M.E. Computer 2014	Asst. Professor
22	Dakwale Abhiruchi	M. Sc. ( Maths) 2006	Asst. Professor
23	Gupta Swati	M.Tech. Computer Sci. 2013	Asst. Professor
24	Jain Parul V.	M.E. Computer Sci. 2014	Asst. Professor
25	Dhuliya Priyanka	M.Tech. Computer 2012	Asst. Professor
26	Chaudhari Smita	MSc. mathematics	Asst. Professor
27	Patange S.B	MA English	Asst. Professor
28	Maiti Kakuli Abhijit	MSc. Physics	Asst. Professor
29	Dr.Balsaraf Vijay Manohar	PhD. Chemsitry	Asst. Professor
30	Sadashiv Kalyan	M.A. English 2011	Asst. Professor
31	Rangare Shraddha	(ME CAD/CAM ROBOTICS	Asst. Professor



32	Nitin Chavan	ME (CAD/CAM)	Asst. Professor
33	Riddhi Popat	MA English	Asst. Professor
34	Dr. Sanjay Mote	PhD. Chemistry	Asst. Professor
35	Dr. Varsha Gupta	PhD. Physics	Asst. Professor

**ODD SEM 2014-15**

Sr. No.	Name of the Faculty	Qualification	Designation
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor
10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor



13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Mrs. Suke Amita P.	B.E. I.T. 2010	Asst. Professor
18	Mrs. Singh Pamela A.	B.E. Computer 2007	Asst. Professor
19	Mrs. Junankar Dipali N.	B.E. Computer 2003	Asst. Professor
20	Mrs. Kapoor Suchi	M. Tech. Computer 2014	Asst. Professor
21	Mrs. Gaikwad Vandana	B.E. Computer 2006	Asst. Professor
22	Mrs. Sharma Megha	M. Tech Computer 2012	Asst. Professor
23	Mrs. Dangat Ujwala P.	B.E. Biomedical 2002	Asst. Professor
24	Mrs. Mahajan Pooja K.	M.E. Computer 2014	Asst. Professor
25	Dakwale Abhiruchi	M. Sc. ( Maths) 2006	Asst. Professor
26	Patange Shailendra	M.A. English 2008	Asst. Professor
27	Dr. Chaterjee Meghna	Ph.D. English 2009	Asst. Professor
28	Bhagwat Madhuri	B. E. Computer M.E. ( Pursuing )	Asst. Professor
29	Game Suvarna	B. E. Computer M.E. ( Pursuing )	Asst. Professor
30	Londhe Abhijet Dharmaraj	B. E. Computer M.E. ( Pursuing )	Asst. Professor
31	Jagdale Leena	B. E. Computer M.E. ( Pursuing )	Asst. Professor

---



32	Sanap Pooja	B. E. I.T. M.E. ( Pursuing )	Asst. Professor
33	Maiti Kakuli Abhijit	MSc. Physics	Asst. Professor
34	Dr.Balsaraf Vijay Manohar	PhD. Chemsitry	Asst. Professor
35	Sadashiv Kalyan	M.A. English 2011	Asst. Professor

**EVEN SEM 2013-14**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Qualification</b>	<b>Designation</b>
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor
10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor



**DATTA MEGHE COLLEGE OF ENGINEERING**  
**AIROLI, NAVI MUMBAI**

**NAAC SSR**

13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor
16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Mrs. Gupta Megha V.	M.E. ( Computer ) 2013	Asst. Professor
18	Mhatre Anita Dayanand	M.E.(Computer ) 2012	Asst. Professor
19	Arwindekar Geeta Meghdoot	M.E. Computer 2013	Asst. Professor
20	Mrs. Suke Amita P.	B.E. I.T. 2010	Asst. Professor
21	Mrs. Singh Pamela A.	B.E. Computer 2007	Asst. Professor
22	Mrs. Junankar Dipali N.	B.E. Computer 2003	Asst. Professor
23	Yenkar Pranali Piyush	M.E. Computer 2013	Asst. Professor
24	Wankhade Sujata Wasudeorao	B.E. Computer 2010	Asst. Professor
25	Sumaiya Khan	M.Sc. Mathematics 2011	Asst. Professor
26	Chaudhari Smita	MSc. mathematics	Asst. Professor
27	Patange S.B	MA English	Asst. Professor
28	Maiti Kakuli Abhijit	MSc. Physics	Asst. Professor
29	Dr.Balsaraf Vijay Manohar	PhD. Chemsitry	Asst. Professor
30	Sadashiv Kalyan	M.A. English 2011	Asst. Professor
31	Kasar Aditya	(ME CAD/CAM)	Asst. Professor
32	Nitin Chavan	ME (CAD/CAM)	Asst. Professor
33	Riddhi Popat	MA English	Asst. Professor



34	Dr. Sanjay Mote	PhD. Chemistry	Asst. Professor
35	Dr. Varsha Gupta	PhD. Physics	Asst. Professor

**ODD SEM 2013-14**

Sr. No.	Name of the Faculty	Qualification	Designation
1	Sawarkar Sudhirkumar Deoraoji	Ph.D. Computer 2007	Professor & Principal
2	Pande Amol Parashram	M.Tech(Computer) 2005	Asst. Professor & HOD
3	Raut Chandrashekhar Madhukar	M.Tech, Infor, Tech. 2007	Asst. Professor
4	Vaikole Shubhangi Liladhar	M.E.(Computer ) 2008	Asst. Professor
5	Karve Subodh Suresh	M.E. (Computer) 2012	Asst. Professor
6	Patil Nita Sanjay	M. E.(Computer ) 2009	Asst. Professor
7	Itankar Prashant Yashwant	M.E.(Computer ) 2010	Asst. Professor
8	Phadke Madhura Mandar	M.E. Computer 2012	Asst. Professor
9	Patankar Shreya Nandakumar	M.E. Computer 2012	Asst. Professor
10	Gulati Archana Neeraj	M.E. (Computer) 2011	Asst. Professor
11	Chaudhari Sonal Nishant	M.E.(Electronics) 2012	Asst. Professor
12	Nusarat Parveen	B.E. (Electronics) 1998	Asst. Professor
13	Pawar Chhaya Shishir	B.E. ( Computer ) 2006	Asst. Professor
14	Rahate Pravin Sureshrao	M.E.(Computer ) 2011	Asst. Professor
15	Patil Manoj Dnyaneshwar	M.E.( Computer 2010	Asst. Professor



16	Gaikwad Jyoti Amol	M.E. Computer 2011	Asst. Professor
17	Mrs. Gupta Megha V.	M.E. ( Computer ) 2013	Asst. Professor
18	Mhatre Anita Dayanand	M.E.(Computer ) 2012	Asst. Professor
19	Arwindekar Geeta Meghdoot	M.E. Computer 2013	Asst. Professor
20	Mrs. Suke Amita P.	B.E. I.T. 2010	Asst. Professor
21	Mrs. Singh Pamela A.	B.E. Computer 2007	Asst. Professor
22	Mrs. Junankar Dipali N.	B.E. Computer 2003	Asst. Professor
23	Yenkar Pranali Piyush	M.E. Computer 2013	Asst. Professor
24	Gavhane Sachin Prakash	B.E. Computer 2009	Asst. Professor
25	Wankhade Sujata Wasudeorao	B.E. Computer 2010	Asst. Professor
26	Tadge Priti Sachin	B.E. I.T. 2012	Asst. Professor
27	Patange Shailendra	M.A.. English 2008	Asst. Professor
28	Sadashiv Kalyan	M.A. English 2011	Asst. Professor
29	Manisha Gund	M.Sc. Mathematics 2001	Asst. Professor
30	Maiti Kakuli Abhijit	MSc. Physics	Asst. Professor
31	Dr.Balsaraf Vijay Manohar	PhD. Chemistry	Asst. Professor
32	Kasar Aditya	ME (CAD/CAM)	Asst. Professor



33	Nitin Chavan	ME (CAD/CAM)	Asst. Professor
34	Supriya naik	MA English	Asst. Professor
35	Dr. Prashant Umapre	PhD. Chemistry	Asst. Professor

**11. List of senior visiting faculty NIL****12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty****EVEN 2016-17**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Johnson Mathew	04	12	100
2	Mendhe Raju Nilkanthrao	04	12	100
3	Deshmukh Vaishali Tryambakrao	06	10	100
4	Sawarkar Jayant Deoraoji	03	14	100
5	Saumya Salian Ravindranath	04	12	100
6	Junankar Dipali Nikhil	04	12	100
7	Singh Sadhana Ashok	07	10	100
8	Sonal Badhe	04	12	100
9	Prof. Dipali Chavan	00	16	100
10	Prof. Suruchi Ruiwale	00	16	100
11	Prof. Santosh Khorne	08	08	100



12	Prof. S.B.Patange	02	08	63
13	Prof. S. Potdar	08	08	100
14	Rangari Shraddha prabhudas	06	12	100

**ODD SEM 2016-17**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Johnson Mathew	04	12	100
2	Mendhe Raju Nilkanthrao	04	12	100
3	Deshmukh Vaishali Tryambakrao	06	10	100
4	Sawarkar Jayant Deoraoji	03	14	100
5	Jain Parul V.	04	12	100
6	Saumya Salian Ravindranath	04	12	100
7	Junankar Dipali Nikhil	04	12	100
8	Singh Sadhana Ashok	07	10	100
9	Sonal Badhe	04	12	100
10	Prof. Dipali Chavan	00	16	100
11	Prof. Suruchi Ruiwale	00	16	100
12	Prof. S.B.Patange	02	08	63
13	Prof. S. Potdar	08	08	100
14	Rangari Shraddha prabhudas	10	06	100



---

**EVEN SEM 2015-16**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Johnson Mathew	00	16	100
2	Mendhe Raju Nilkanthrao	04	12	100
3	Deshmukh Vaishali Tryambakrao	04	12	100
4	Sawarkar Jayant Deoraoji	04	12	100
5	Suke Amita Priyadarshan	04	12	100
6	Mrs. Gaikwad Vandana	00	16	100
7	Kadu Siddhi Nikhil	00	16	100
8	Jain Parul V.	02	14	100
9	Saumya Salian Ravindranath	04	12	100
10	Junankar Dipali Nikhil	04	12	100
11	Singh Sadhana Ashok	08	08	100
12	Sonal Badhe	03	14	100
13	Priya Deshmukh	04	12	100
14	Damle Dipti	08	08	100
15	Diwase Dipali	00	16	100
16	Raina Shivani	04	12	100
17	Verma Neha	02	14	100

**ODD SEM 2015-16**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Johnson Mathew	04	04	50
2	Mendhe Raju Nilkanthrao	04	04	50
3	Deshmukh Vaishali T	16	04	100
4	Sawarkar Jayant Deoraoji	03	04	44
5	Suke Amita Priyadarshan	04	12	100
6	Mrs. Gaikwad Vandana	00	18	100
7	Dhuliya Priyanka	04	12	100
8	Kadu Siddhi Nikhil	04	12	100
9	Jain Parul V.	04	12	100
10	Saumya Salian Ravindranath	00	16	100
11	Junankar Dipali Nikhil	04	12	100
12	Singh Sadhana Ashok	04	12	100
13	Sonal Badhe	04	12	100
14	Bhise Pooja	00	16	100
15	Priya Deshmukh	03	12	94
16	Damle Dipti	08	08	100
17	Patange Shailendra	02	08	63

**EVEN SEM 2014-15**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Suke Amita Priyadarshan	03	14	100
2	Junankar Dipali Nikhil	04	12	100
3	Mrs. Kapoor Suchi	04	12	100
4	Mrs. Gaikwad Vandana	04	12	100
5	Mrs. Mahajan Pooja K.	08	08	100
6	Dakwale Abhiruchi	08	08	100
7	Gupta Swati	04	12	100
8	Jain Parul V.	00	16	100
9	Dhuliya Priyanka	04	12	100
11	Patange S.B	02	10	87
12	Sadashiv Kalyan	02	10	87
13	Rangare Shraddha	03	14	100
14	Nitin Chavan	06	08	100
15	Riddhi Popat	02	10	87
16	Dr. Sanjay Mote	9	9	100
17	Dr. Varsha Gupta	9	5	93

**ODD SEM 2014-15**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Suke Amita Priyadarshan	00	10	63
2	Singh Pamela Amit	04	14	100
3	Junankar Dipali Nikhil	04	12	100
4	Mrs. Kapoor Suchi	04	12	100
5	Mrs. Gaikwad Vandana	00	18	100
6	Mrs. Sharma Megha	00	18	100
7	Mrs. Dangat Ujwala P.	00	16	100
8	Mrs. Mahajan Pooja K.	00	18	100
9	Dakwale Abhiruchi	08	02	63
10	Patange Shailendra	02	08	63
11	Bhagwat Madhuri	00	08	50
12	Game Suvarna	00	08	50
13	Londhe Abhijet D	00	06	38
14	Jagdale Leena	00	08	50
15	Sanap Pooja	00	08	50
16	Sadashiv Kalyan	04	12	100



---

**EVEN SEM 2013-14**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Mhatre Anita Dayanand	08	08	100
2	Arwindekar Geeta Meghdoot	04	12	100
3	Gupta Megha Varun	04	12	100
4	Suke Amita Priyadarshan	08	06	88
5	Singh Pamela Amit	04	10	88
6	Yenkar Pranali Piyush	04	12	100
7	Wankhade Sujata W	08	06	88
8	Junankar Dipali Nikhil	04	06	75
9	Sumaiya Khan	08	02	63
10	Patange S.B	02	10	87
11	Sadashiv Kalyan	02	10	87
12	Kasar Aditya	06	12	100
13	Nitin Chavan	6	14	100
14	Riddhi Popat	2	10	87
15	Dr. Sanjay Mote	9	9	100
16	Dr. Varsha Gupta	9	5	93

**ODD SEM 2013-14**

Sr. No	Name of the Faculty	Lectures	Practicals	Percentage
1	Mhatre Anita Dayanand	04	12	100
2	Arwindekar Geeta M	04	12	100
3	Gupta Megha Varun	08	06	88
4	Suke Amita P	02	15	100
5.	Singh Pamela Amit	04	12	100
6.	Yenkar Pranali Piyush	03	14	100
7	Gavhane Sachin P	03	14	100
8	Wankhade Sujata W	00	16	100
9	Junankar Dipali Nikhil	04	12	100
10	Tadge Priti Sachin	02	15	100
11	Sadashiv Kalyan	01	04	33
12	Manisha Gund	08	02	63
13	Shailendra Patange	01	04	31
14	Kasar Aditya	5	4	50
15	Nitin Chavan	5	12	100
16	Supriya naik	4	0	25
17	Dr. Prashant Umape	7	9	100

**13. Student -Teacher Ratio (programme wise)****EVEN SEM 2016-17**

<b>Programme</b>	<b>Student-Teacher ratio</b>
<b>U.G</b>	<b>14:1</b>
<b>P.G</b>	<b>1:1</b>
<b>Ph.D</b>	<b>1:1</b>

**Total students admitted****UG=432 PG=1****SFR(UG)=432/32=13.5****ODD SEM 2016-17**

<b>Programme</b>	<b>Student-Teacher ratio</b>
<b>U.G</b>	<b>14:1</b>
<b>P.G</b>	<b>1:1</b>
<b>Ph.D</b>	<b>1:1</b>

**Total students admitted****UG=432 PG=1****SFR(UG)=432/32=13.5****EVEN SEM 2015-16**

<b>Programme</b>	<b>Student-Teacher ratio</b>
<b>U.G</b>	<b>14:1</b>
<b>P.G</b>	<b>5:1</b>
<b>Ph.D</b>	<b>1:1</b>

**Total students admitted SFR(UG)=432/32=13.5**

---

**ODD SEM 2015-16**

Programme	Student-Teacher ratio
U.G	<b>14:1</b>
P.G	<b>5:1</b>
Ph.D	<b>1:1</b>

**Total students admitted UG =432 PG=15****SFR(UG)=432/32=13.5****EVEN SEM 2014-15**

Programme	Student-Teacher ratio
U.G	<b>14:1</b>
P.G	<b>6:1</b>
Ph.D	<b>1:1</b>

**Total students admitted UG = 432 PG=17****SFR(UG)=432/32=13.5****ODD SEM 2014-15**

Programme	Student-Teacher ratio
U.G	<b>14:1</b>
P.G	<b>6:1</b>
Ph.D	<b>1:1</b>

**Total students admitted UG =432 PG=17****SFR(UG)=432/32=13.5**

**EVEN SEM 2013-14**

Programme	Student-Teacher ratio
U.G	<b>14:1</b>
P.G	<b>6:1</b>
Ph.D	<b>1:1</b>

**Total students admitted UG = 432 PG=18****SFR(UG)=432/32=13.5****ODD SEM 2013-14**

Programme	Student-Teacher ratio
U.G	<b>14:1</b>
P.G	<b>6:1</b>
Ph.D	<b>1:1</b>

**Total students admitted UG = 432 PG=18****SFR(UG)=432/32=13.5**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

**EVEN SEM 2016-17**

	Sanctioned	Filled
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	03	03



Sr. No.	Name of the support Staff
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke
3	Mr. Sunil Bhujade
4	Miss. Vaishali Bobhate
5	Mr. Manohar Pawar

**ODD SEM 2016-17**

	Sanctioned	Filled
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	03	03

Sr. No.	Name of the support Staff
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke
3	Mr. Sunil Bhujade
4	Miss. Vaishali Bobhate
5	Mr. Manohar Pawar

**EVEN SEM 2015-16**

	Sanctioned	Filled
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	02	02

Sr. No.	Name of the support Staff
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke
3	Mr. Sunil Bhujade
4	Miss. Vaishali Bobhate

**ODD SEM 2015-16**

	Sanctioned	Filled
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	01	01

Sr. No.	Name of the support Staff
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke
3	Miss. Vaishali Bobhate

**EVEN SEM 2014-15**

	<b>Sanctioned</b>	<b>Filled</b>
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>		

<b>Sr. No.</b>	<b>Name of the support Staff</b>
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke

**ODD SEM 2014-15**

	<b>Sanctioned</b>	<b>Filled</b>
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	00	00

<b>Sr. No.</b>	<b>Name of the support Staff</b>
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke

**EVEN SEM 2013-14**

	<b>Sanctioned</b>	<b>Filled</b>
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	00	00

<b>Sr. No.</b>	<b>Name of the support Staff</b>
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke

**ODD SEM 2013-14**

	<b>Sanctioned</b>	<b>Filled</b>
<b>Technical Staff</b>	02	02
<b>Administrative Staff</b>	00	00

<b>Sr. No.</b>	<b>Name of the support Staff</b>
1	Mrs. Ritu Singh
2	Mr. Narendra Tidke

**15. Qualifications of Staff.****EVEN SEM 2016-17**

Sr. No.	Qualification	Total
1	Ph.D	5
2	ME/MTech	30
3	BE/BTech (ME Pursuing)	0

**ODD SEM 2016-17**

Sr. No.	Qualification	Total
1	Ph.D	03
2	ME/MTech	32
3	BE/BTech (ME Pursuing)	0

**EVEN SEM 2015-16**

Sr. No.	Qualification	Total
1	Ph.D	2
2	ME/MTech	33
3	BE/BTech (ME Pursuing)	0

**ODD SEM 2015-16**

Sr. No.	Qualification	Total
1	Ph.D	2
2	ME/MTech	32
3	BE/BTech (ME Pursuing)	1

**EVEN SEM 2014-15**

Sr. No.	Qualification	Total
1	Ph.D	04
2	ME/MTech	29
3	BE/BTech (ME Pursuing)	2

**ODD SEM 2014-15**

Sr. No.	Qualification	Total
1	Ph.D	03
2	ME/MTech	22
3	BE/BTech (ME Pursuing)	10



---

**EVEN SEM 2013-14**

Sr. No.	Qualification	Total
1	Ph.D	04
2	ME/MTech	27
3	BE/BTech (ME Pursuing)	4

**ODD SEM 2013-14**

Sr. No.	Qualification	Total
1	Ph.D	3
2	ME/MTech	26
3	BE/BTech (ME Pursuing)	05
4	BE/BTech	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

**NIL**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

**NIL**

**18. Research Centre /facility recognized by the University**

- In order to inculcate research culture amongst teachers to upgrade their knowledge and technical skills, department is recognized as a research center under University of Mumbai.
  - year of Establishment: 2013
  - Intake: 10+5
  - Department is equipped with high end computer systems and software tools like MATLAB, NS2, etc.
  - Internet of 48 Mbps
  - Tie up with IIT Bombay and DELNET. Subscribed INDEST-AICTECONSORTIUM Online Journals (ASCE, ASME, IEEE, McGraw Hill)
  - Department library with more than 500 books.
- List of Ph.D. Guides (Supervisors)

Sr. No.	Ph.D Guides
1	Dr. S. D. Sawarkar
2	Dr. S. R. Devane

**19. Publications:**

- \* a) Publication per faculty
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students.

19 a) Information for Academic year 16-17, 15-16, 14-15 and 13-14										
Sr. No.	Name of Faculty	Conference		Journal		h Ind ex	Impact factor	Citation Index	S NI P	S J R
		National	International	National	International					
1	Dr.S.D.Sawarkar	21	84	0	68	6		168		173
2	Prof. A.P.Pande	5	5	2	8					20
3	Prof.C.M. Raut	6	6	0	9					21

---



4	Prof. S.L.Vaikol e	4	10	0	15	2	1.3	15			29
5	Prof. S.S.Karve	8	5	8	5						26
6	Prof. N.S.Patil	8	9	1	0	2	2.5-3	69			18
7	Prof.P.Y. Itankar	5	0	0	0						5
8	Prof. M.M.Phad ke	8	3	0	3						14
9	Prof. S.N.Patank ar	5	3	0	1						9
10	Prof. A.N.Gulati	0	3	7	2	0	2.5-3	0			12
11	Prof.S.N.C haudhari	9	1	0	0						10
12	Prof. Nusrat Parveen	6	6	0	1						13
13	Prof. C.S.Pawar	6	5	0	3						14
14	Prof. P.S. Rahate	5	5	1	2						13
15	Prof. M.D.Patil	2	6	0	3						11
16	Prof. J.A.Gaikw ad	1	0	1	1						3
17	Prof. J.D.Sawar kar	0	1	2	0						3
18	Prof. J.Mathew	0	0	0	0						0
19	Prof. R.N.Mend he	0	0	0	1						1



20	Prof. V.Deshmu kh	1	1	1	1							4
21	Prof. D.N.Junan kar	1	2	0	1							5
22	Prof. Saumya Salian	0	0	2	2		4..5					4
23	Prof.Sonal Badhe	0	1	0	4		2..4					5
24	Prof. Sadhana Singh	0	0	0	1		2..3					1
25	Prof. Dipali Chavan	0	0	1	1		3..4					2
26	Prof. Suruchi Ruiwale	2	1	2	1							6
27	Prof. Santosh Khorne	1	5	0	0							6
28	Chaudhari Smita	0	0	0	0							0
29	Patange S.B	0	0	0	0							0
30	S. Potdar	0	0	0	0							0
31	Maiti Kakuli Abhijit	1	1	0	2							4
32	Dr.Balsara f Vijay Manohar	1	5	0	1							7
33	Dr. Kanungo	0	0	0	0							0



	Prachi Nitin										
34	Dhurde Ganesh Pandurang	0	2	0	0						2
35	Rangari Shraddha prabhudas	1	0	0	0						1

19 b) Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)

Sr. No.	Name of Faculty	Publication Count
1	S.L.VAIKOLE	15

### 19 C ) Chapter in book

Sr. No.	Name of Faculty	Book Name	Publisher	ISBN/ISSN No.	Year
NIL					

### 19 D )Books with ISBN/ISSN No. with details of publisher

Sr. No.	Name of Faculty	Book Name	Publisher	ISBN/ISSN No.	Year
1	Dr.Balsaraf Vijay Manohar	Applied Chemistry I	Synergy Knowledge ware	978-81-924-274/-6	2012



2	Dr.Balsaraf Vijay Manohar	Applied Chemistry II	Synergy Knowledge ware	978-81-924-2743-0	2013
3	Dr.Balsaraf Vijay Manohar	Environmental Studies	Synergy Knowledge ware	978-81-924-2744-7	2012
4	Dr.Balsaraf Vijay Manohar	Applied Chemistry I	Synergy Knowledge ware	978-93-833-5244-9	2016
5	Dr.Balsaraf Vijay Manohar	Environmental Studies	Synergy Knowledge ware	978-93-833-5245-6	2016
6	Dr.Balsaraf Vijay Manohar	Applied Chemistry II	Synergy Knowledge ware	--	--

20 ) Area of Consultancy and Income generated

Sr. No.	Name of Faculty	Project Name	Duration	Income
		NIL		

#### 21 A) Faculty as member in National committees /conferences/Boards

Sr. No.	Name of Faculty	Board / Committee / Conference	Designation
1	Dr.S.D.Sawarkar	Indian Society of Technical Education, CSI,IE,IETE,IEEE	Life Member
2	Prof. A.P.Pande	Indian Society of Technical Education, CSI	Life Member
3	Prof.C.M. Raut	Indian Society of Technical Education, CSI	Life Member



4	Prof. S.S.Karve	CSI	Life Member
5	Prof. N.S.Patil	Indian Society of Technical Education	Life Member
6	Prof.P.Y. Itankar	Indian Society of Technical Education	Life Member
7	Prof. M.M.Phadke	Indian Society of Technical Education	Life Member
8	Prof. S.N.Patankar	Indian Society of Technical Education	Life Member
9	Prof. A.N.Gulati	Indian Society of Technical Education	Life Member
10	Prof.S.N.Chaudhari	Indian Society of Technical Education	Life Member
11	Prof. Nusrat Parveen	Indian Society of Technical Education	Life Member
12	Prof. C.S.Pawar	CSI	Life Member
13	Prof. P.S. Rahate	CSI	Life Member
14	Prof. J.D.Sawarkar	Indian Society of Technical Education, IMIE	Life Member
15	Prof. J.Mathew	Indian Society of Technical Education	Life Member
16	Prof. V.Deshmukh	Indian Society of Technical Education	Life Member

**21 B) Faculty as member in International Committees/ Conferences/Boards**

Sr. No.	Name of Faculty	Board / Committee / Conference	Designation
1	Dr.S.D.Sawarkar	WSEAS 06	Reviewer
2	Dr.S.D.Sawarkar	ICAC3-2008	Reviewer
3	Dr.S.D.Sawarkar	WSEAS	Chair-Person Technical Session
4	Dr.S.D.Sawarkar	ICAC3-2008	Chair-Person Technical Session
5	S.L.VAIKOLE	ICETCC - 17	Reviewer

**21 C) Editorial Boards/Reviewer**

Sr. No.	Name of Faculty	Board / Committee / Conference	Designation
1	Dr.S.D.Sawarkar	WSEAS 06	Reviewer
2	Dr.S.D.Sawarkar	ICAC3-2008	Reviewer
3	S.L.VAIKOLE	ICETCC - 17	Reviewer

**22. Student projects**

- i) **UG Level:** Percentage of students who have done in-house projects including inter departmental/programme and projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

Year	No. of In house Projects	Percentage of in-house projects	No. of Projects in collaboration	Percentage of projects in collaboration
2016-17	43	97%	01	03%
2015-16	49	98%	01	02%
2014-15	53	96%	02	04%
2013-14	47	92%	04	08%

- ii) **PG Level:** Percentage of students who have done in-house projects including inter departmental/programme and projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies.

Year	No. of In house Projects	Percentage of in-house projects	No. of Projects in collaboration	Percentage of projects in collaboration
2016-17	01	100 %	00	00 %
2015-16	15	100 %	00	00 %
2014-15	17	100 %	00	00 %



2013-14	18	100 %	00	00%
---------	----	-------	----	-----

**iii) PhD Level:** Percentage of students who have done in-house projects including inter departmental/programme and projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies.

Year	No. of In house Projects	Percentage of in-house projects	No. of Projects in collaboration	Percentage of projects in collaboration
2016-17	00	00 %	00	00 %
2015-16	02	100 %	00	00 %
2014-15	04	100 %	00	00 %
2013-14	09	100 %	00	00%

### **23. Awards / Recognitions received by faculty and students**

#### **a) Awards / Recognitions received by faculty**

Sr.No	Name Of Faculty	Year	Award	Organization
1.	Dr. S.D. Sawarkar	16-5-16	Subject Expert	Dilkap Research Institute of Engineering, Dist: Raigad
		01-9-2016	Nominee on selection committee	Shah and Anchor Kuttchi Engineering College, Chembur
		2016	External Examiner	Sant Gadge Maharaj COE , Shegaon



	20-6-16	Member of LIC committee	Thadomal Sahani Engg, College, Bandra
	04-6-16	Member of LIC committee	Tasgaonkar Institute of Engg, Bhivpuri
	03-6-16	Member of LIC committee	Fr. CR college of Engg, Bandra
	07-5-16	Member of LIC committee	K.J.Somaiya Engg college, VidyaVihar
	07-05-16	Member of LIC committee	Bharatiya VidyaBhavan's Sardar Patel College of Engg, Andheri
	29-1-16	Subject Expert	RAIT Nerul
	20-5-15	Subject Expert	Bharat College of Engg, Badlapur
	22-6-15	Subject Expert	Vivekanand Institute of tech, Chembur
	17-3-16	Subject Expert	VJTI Matunga
	11-2-15	Subject Expert	Vasantdada Patil COE, Sion



	16-09-15	Member of LIC committee	Finolex academy Ratnagiri
	20-5-14	Member of LIC committee	Fr. CR college of Engg, Bandra
	13-5-14	Member of LIC committee	K.C.College Thane
	12-5-14	Member of LIC committee	S.S.Jhondhale College of Engg, Dombivli
	03-9-14	Subject Expert	A.C.Patil COE Kharghar
	30-4-14	Subject Expert	St. Francis Institute of technology, Borivali
	11-4-2014	Member of LIC committee	K.J.Somaiya College Vidyavihar
	22-7-13	Subject Expert	K.C.College Thane
	06-3-13	Subject Expert	Fr. CR college of Engg, Bandra
	Feb 2017	Session Chair	ICWET, Thakur College of engg. Kandivali
	Feb 2016	Session Chair	ICWET, Thakur College of engg. Kandivali
	Feb 2015	Session Chair	ICWET, Thakur College of engg. Kandivali



		Feb 2014	Session Chair	ICWET, Thakur College of engg. Kandivali
		Feb 2013	Session Chair	ICWET, Thakur College of engg. Kandivali
			Session Chair	ICWET, Thakur College of engg. Kandivali

**b) Awards / Recognitions received by students**

**NIL**

**II) Co-curricular Achievements**

Sr.No	Name Of Students	Award/Recognition	Year	Organization
1.	Akash Kokulwar	1 <sup>st</sup> rank all over Maharashtra	2016	Lokasatta
2.	Shama Khan	Among first 30 in technical quiz	2017	Seed Info Tech
3.	Divya Maloo	Ist and IIInd Round winner in Codevita	2016	Online
4.	Tanmay Gharat	1 <sup>st</sup> rank, IT quiz 3 <sup>rd</sup> rank, Java Code	2016	Online
5.	DhanajayPandit	Google Student Ambassador	2014-2015	Online
6	Abhishek Nagekar	cash prize of \$200	2015-16	Online

**III) Sports and Cultural Awards**

Sr. No	Name Of Students	Award/Recognition	Year	Organization
1.	Trupti Shirsat	Bronze in Swimming	2010	Bhopal
2.	Piyush Shivdas	won bronze medal in Boxing	2015-16	University of Mumbai
3	Nikhil Somwanshi	Best Baller	2016	Airoli Fest,Airoli
4	Swanand Kulkarni	3rd rank	2017	Vidarbha Idol singing competition
5	Shweta Jadhav	II sliver in softball, III bronze in softball	2016-2017	National level State level
6	Khandagale Akash	Disk through	2013	BATU, Lonere
7	Utkarsh Dhande	2 <sup>nd</sup> , State roll ball	2010	Nasik

**24) List of eminent academicians and scientists/ visitors to the Department****NIL****25) Seminars/ Conferences/Workshops organized & the source of funding:****a) Name & details of Seminar Conducted by the department: NIL**

**b) Name & details of Workshop Conducted by the department:**

S. N.	Date	Topic of Workshop	Designation of Expert / speaker	Source of funding	Fund received	No. of participants	National / International
1	2015-2016	Three days workshop on Hands on Linux		Self sponsored	NA	60	National
2.	2015-2016	Network Security and Ethical Hacking		Self sponsored	NA	60	National

**26. Student profile programme/course wise:****i) UG Level:**

Name of the Course	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Computer Engineering	FE 2013-14	119	119	72	47	68.06 %
	FE 2014-15	115	115	83	32	33.91%
	FE 2015-16	114	114	81	33	43.86 %
	FE 2016-17	114	114	78	36	----

**ii) PG Level**

Name of the Course	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Computer Engineering	ME 2013-14	17	17	12	5	61.11 %
	ME 2014-15	17	17	4	13	58.82 %
	ME 2015-16	15	15	4	11	73.33 %
	ME 2016-17	1	1	0	1	----

**iii) PhD Level**

Name of the Course	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Computer Engineering	PHD 2013-14	9	9	3	6	11.11 %
	PHD 2014-15	4	04	1	3	-
	PHD 2015-16	0	0	0	0	-
	PHD 2016-17	2	2	0	2	-

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	Academic Year	No. of students from the same	% of students from the same	No. of students from other States	% of students from other States	% of students from abroad
Computer Engineering	FE 2013-14	116	97.48	3	2.5	0
	FE 2014-15	113	98.26	2	1.75	0
	FE 2015-16	114	100	0	0	0
	FE 2016-17	114	100	0	0	0
	ME 2013-14	17	100	0	0	0
	ME 2014-15	17	100	0	0	0
	ME 2015-16	15	100	0	0	0
	ME 2016-17	1	100	0	0	0
	PHD 2013-14	9	100	0	0	0
	PHD 2014-15	4	100	0	0	0
	PHD 2015-16	0	100	0	0	0
	PHD 2016-17	2	100	0	0	0

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?  
NIL**

**29. Student progression**

<b>Student Progression</b>	<b>% Against Enrolled</b>			
	<b>2013-14 (140)</b>	<b>2014-15 (153)</b>	<b>2015-16 (155)</b>	<b>2016-17 (144)</b>
<b>UG to PG</b>	*10%	*13.72%	1.29%	In Process
<b>PG to M.Phil</b>	--	--	--	--
<b>PG TO PHD</b>				In Process
<b>PHD To POST DOCTORAL</b>				In Process
<b>Employed</b> -Campus Selection - Other than Campus recruitment	49.28% ---	40.52% --	50.96% --	In Process
<b>Entrepreneurship / Self Employment</b>	0.71%	--	--	In Process

**30. Details of Infrastructural facilities**

- a) Library
- b) Internet facilities for Staff & Students
- c) Class rooms with ICT facility
- d) Laboratories

<b>SR.NO</b>	<b>Infrastructural facility</b>	<b>Details</b>	<b>Number</b>
1	Library	No. of Title	4174/17102
		No. of Books	9349/42144
		Journals, Magazines & Periodicals	21/76



		e-Journals	IEEE,McGrawHill
		CDs	2100
2	Departmental Library	Books	378
		Manuals	15
2	Internet facility for staff and students	Computers	220 + 100 (Computer Center)
		Computers with internet facility	220 + 100 (Computer Center)
		Bandwidth	48MBPS
3	Classrooms with ICT facility	Classrooms	7
		Tutorial rooms	UG-3(ICT),PG-1
		Seminar Rooms	1
4	Laboratories	Computer Labs	UG-10+PG-1
		EDC lab	1
5	Major Equipments	Servers	2
		UPS	2
		Switches	11

- 31. Number of students receiving financial assistance from college, university, Government or other agencies**



Sr. No.	Details of financial assistance	SC/ST/OB C/SB/NT/ VJ	Minority	EBC	Other(TATA Scholership)	for Projects	Scholarships ( Prizes/ Fee concession) for Toppers - BE/ME
13-14	count	177	0	27	4	----	----
	amount		0/-	905592/-	163800/-	----	----
14-15	count	186	0	29	4	----	----
	amount		0/-	1013534/-	120800/-	----	----
15-16	count	183	3	37	0	----	----
	amount		75000/-	1552144/-	0/-	----	----
16-17	count	73**	3	42	0	----	----
	amount		75000/-		0/-		

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts.**

Sr. No	Enrichment Programmers	Date
1	Workshop on Sixth Sense Technology	1/3/14 to 2/3/14
2	Workshop on Android Development	8/3/14 to 9/3/14
3	Aptitude Tests for TE	13/12/14
4	Workshop on PHP Mysql	19/9/2014



5	Workshop on Fundamentals of C/ Java	11/9/2015
6	Seminar on Career Guidance	23/1/2016
7	Seminar on Python	24/3/2016
8	Guest Lecture	23/06/2016
9	Three days' workshop on Hands on Linux	14-16 January 2016
10	Network Security and Ethical Hacking	24-26 September 2016

**33. Teaching methods adopted to improve student learning.****a) Teaching Innovations:**

Details of the innovation	Description	Year of Implementation
Use of LCD Projector for Presentations in PG course	Tutor uses animated pictures and ppts for explaining the concepts more effectively.	2011-12
Competitions/project works/seminars	Through techfest, competitions are arranged and seminars are arranged. Website development is given as platform for small project work	2013-14
Internet facility for online video streaming	Internet(Leased Line) is made available for watching technical videos and through intranet , the videos on college server can viewed.	2014-2015
Use of Smart Board and recording facility.	Smart Board enables the tutor to explain the concepts intuitively	2016-17
Questining	For revision and finding weak students	2009-2010

**b) Innovations and best practices in learning process****Learning Innovations:**

<b>Details of the Innovation</b>	<b>Description</b>	<b>Year of Execution</b>
Group Discussions	To share the knowledge, to develop group communication skills.	2012-13
Quizzing	Spontaneous answering and thinking skills.	2012-13
Assignments/Tutorials	Problem solving and case study handling skills.  Expose to variety of problems including University level, GATE level.	2013-14
Internet	To learn from experts across the globe such as NPTEL videos and other educational contents from reputed professors.	2014-15
Presentations	Students learn well planned presentation skills to prepare and present	2012-13
Projects (for Life Long Learning)	Students can work on real time or research oriented projects and learn the methodology of analyzing, designing, implementing, testing and validating skills. The research oriented projects enhance specific domain knowledge and give a path for continuous learning with passion.	2012-13



Seminars and expert lectures	To get the knowledge about the advancements happening in various Technological fields and the approaches followed by individuals.	2013-14
Internships	To get practical knowledge and industrial exposure	2014-15
Competitive activities to enhance programming skills	To test and showcase their knowledge of coding	
Project Competitions	To justify the worthiness of the project for practical use.	2012-13
Hands on Workshops for practical-oriented subjects	To acquire the skills required for bridging industry expectations.	2014-15

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities.**

- 1) The goods worth of Rs.2500/- were donated to PremDaan ,Airoli in September 2016.
- 2) Blood donation camp was conducted in January 2017.

**35. SWOC analysis of the department and Future plans****Strengths:**

- 1) Young,dynamic and dedicated faculty with sound academic backgrounds
- 2) Favorable Student-Teacher ratio.
- 3) Sufficient number of labs with required infrastructure.
- 4) Effective monitoring system for students
- 5) Research Lab for the research related activities.
- 6) Departmental library
- 7) Has been on Open source platform.



---

**Weaknesses:**

- 1) Having less number of PHD faculties.

**Opportunities:**

- 1) Scope for the awareness about autonomous status in the nearby area.
- 2) Being present in a prime location, the institute has opportunities for industry interactions, Industry-Academic partnership, student exchange programs and opportunities for research.
- 3) New teaching methods and possibility of utilizing e-learning
- 4) Faculty can undertake more software projects.

**Challenges:**

- 1) Fast pace of development in technology to adopt to.
- 2) Competition from local, regional and global private colleges and accessibility of international colleges and distance education.
- 3) Entrepreneurship and academic leader development.

**Future Plans:**

- 1) Recruiting and retaining well-qualified faculty.
- 2) To Develop, Setup & Upgrade laboratories and to procure softwares as per the revised syllabus & recent industry trends.
- 3) To produce ranks and 100 % results.
- 4) Enhancement of research activities through MoU with Premier National and International Institutes.
- 5) To Organize International level conferences and workshops.
- 6) To improve placement ratio with the help of Alumni, Industry-Institution Interaction and training programs.



## Department of Mechanical Engineering

**1. Name of the Department: Mechanical Engineering****2. Year of Establishment :1993-94****3. Names of Programs / Courses offered – UG, PG & PhD**

<b>Names of Programs</b>	<b>Year of establishment</b>
BE Mechanical Engineering (Intake 60)	1993-94
BE Mechanical Engineering (Intake 60)(Direct 2 <sup>nd</sup> Year)	2012-13
ME Mechanical Engineering (Intake 18)	2011-12
PhD Mechanical Engineering (Intake 10)	2013-14

**4. Names of Interdisciplinary courses and the departments/units involved:**

<b>S. N.</b>	<b>Interdisciplinary courses</b>	<b>Department involved</b>
1	Industrial Electronics	Electronics Department
2	Data Base Information & Retrieval System	Information Tech. Dept.

**5. Annual/ semester/choice based credit system (Programme wise):**

<b>S. N.</b>	<b>Programme</b>	<b>Evaluation System</b>
1	Bachelor of Engineering (B.E.)	i) For FE Choice Based Credit Grading System (CBCGS) from academic year 2016-17. Examinations conducted semester wise. ii) For SE/TE/BE Credit Based Semester Grading System (CBSGS) from academic year 2012-13. Examinations conducted semester wise.
2	Master of Engineering (M.E.)	i) Choice Based Credit Grading System (CBCGS) from academic year 2016-17.



		Examinations conducted semester wise. ii) Credit Based Semester Grading System (CBSGS) from academic year 2012-13. Examinations conducted semester wise.
3	Ph. D.	Annual based Credit System

**6. Participation of the department in the courses offered by other departments-Basic Sciences Departments.**

Sr. No.	Courses	Offered to Department
1	ENGINEERING DRAWING	F.E.
2	ENGINEERING MECHANICS	F.E.

**7. Courses in collaboration with other universities, industries, foreign institutions:  
NIL**

**8. Details of courses/programs discontinued (if any) with reasons-NIL**

**9. Number of Teaching posts**

YEAR:	13-14		14-15		15-16		16-17	
	AVAILABLE	REQUIRED	AVAILABLE	REQUIRED	AVAILABLE	REQUIRED	AVAILABLE	REQUIRED
PROFESSOR	1	1.6	1	3.2	1	3.2	1	3.2
ASSOCIATE PROFESSOR	0	3.2	0	6.4	1	6.4	1	6.4
ASSISTANT PROFESSOR	13	9.6	21	19.2	32	19.2	32	19.2
LECTURER	10		0		0		0	
<b>TOTAL:</b>	<b>24</b>	<b>14.4</b>	<b>22</b>	<b>28.8</b>	<b>34</b>	<b>28.8</b>	<b>34</b>	<b>28.8</b>

**10. Faculty profile with name, qualifications, designation, specialization, (DSc/ D.Litt/ Ph.D/ MPhil/PG. etc.)**

<b>EVEN SEMESTER LOAD OF FACULTY 2013-14</b>				
S. N.	NAME	DESIGNATION	QUALIFICATIONS	SPECIALISATION
1	Prof. Dr. VILAS B. SHINDE	PROFESSOR	PHD	SUPPLY CHAIN MANEGMENT
2	PRASHANT DINESH DESHMUKH	ASSISTANT PROFESSOR	ME	CAD/CAM
3	S J SHANKERGAUDA	ASSISTANT PROFESSOR	ME	THERMAL
4	S. K. KAMBALE	ASSISTANT PROFESSOR	ME	THERMAL
5	K. S. BHOLE	ASSISTANT PROFESSOR	ME	PRODUCTION
6	ONKAR GOPALRAO SONARE	ASSISTANT PROFESSOR	ME	PRODUCTION
7	BHARAT KALE	ASSISTANT PROFESSOR	ME	THERMAL
8	NILESH L SHINDE	ASSISTANT PROFESSOR	M.TECH	AUTOMOBILE
9	USHA C PAWAR	ASSISTANT PROFESSOR	M.TECH.	THERMAL POWER
10	DIPTI N. AGRAWAL	ASSISTANT PROFESSOR	M.E	PRODUCTION
11	ANAND P. JOSHI	ASSISTANT PROFESSOR	M.TECH	NUCLEAR
12	P. D. BAVISKAR	LECTURER	BE	MECHANICAL
13	SUMIT. N. GAVANDE	LECTURER	BE	MECHANICAL
14	CHANDAN. D. CHOUDHARY	LECTURER	BE	MECHANICAL
15	MINAKSHI. N. WASNIK	ASSISTANT PROFESSOR	BE	MECHANICAL



16	RAJANI M. CHAMI	LECTURER	BE	PRODUCTION
17	MONIKA SOLANKI	LECTURER	BE	MECHANICAL
18	SMITA A. GANJARE	LECTURER	BE	MECHANICAL
19	ADITYA KASAR	LECTURER	BE	MECHANICAL
20	AJINKYA SHETYE	LECTURER	BE	MECHANICAL
21	NITIN CHAVAN	LECTURER	BE	MECHANICAL
22	AKSHAY DESAI	LECTURER	BE	MECHANICAL
23	D. M. BHOSALE	ASSISTANT PROFESSOR	BE	ELECTRONICS
24	ABHIRUCHI A. DAKHAWALE	ASSISTANT PROFESSOR	M Sc.	MATHS

**EVEN SEMESTER LOAD OF FACULTY 2014-15**

S. N.	NAME	DESIGNATION	QUALIFICATIONS	SPECIALISATION
1	PROF. DR. KIRAN S. Bhole	ASSOCIATE PROFESSOR	Ph D	IITB( MEMS)
2	PROF. P. D. DESHMUKH	ASSISTANT PROFESSOR	Ph D Pursuing	MECHANICAL, INDUSTRIAL ENGG
3	PROF. SUDINATH J. SHANKARGOUDA	ASSISTANT PROFESSOR	Ph D Pursuing	THERMAL ENGG (IITB)
4	PROF. S. K. KAMBLE	ASSISTANT PROFESSOR	Ph D Pursuing	PRODUCTION TECH & MGT
5	PROF. O. G. SONARE	ASSISTANT PROFESSOR	Phd Pursuing	PRODUCTION TECH & MGT
6	PROF. B. S. KALE	ASSISTANT PROFESSOR	M.TECH	THERMAL POWER
7	PROF. NILESH L. SHINDE	ASSISTANT PROFESSOR	M.TECH.	AUTOMOBILE



8	PROF. MRS. USHA C. PAWAR	ASSISTANT PROFESSOR	M-TECH	THERMAL POWER
9	PROF. MS. DEEPTI AGRAWAL	ASSISTANT PROFESSOR	M TECH	INDUSTRIAL
10	PROF. ANAND JOSHI	ASSISTANT PROFESSOR	M TECH	NUCLEAR ENGG.
11	PROF. MS. RAJANI M. C.	ASSISTANT PROFESSOR	ME Pursuing	CAD CAM & ROBOTICS
12	PROF. MS. PRAJAKTA BAWISKAR	ASSISTANT PROFESSOR	ME Pursuing	CAD CAM & ROBOTIVS
13	PROF. MS. SMITA GANJARE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
14	PROF. MISS. PRACHI J. KHOND	ASSISTANT PROFESSOR	ME Pursuing	MACHINE DESIGN
15	PROF. SACHIN M. SHINDE	ASSISTANT PROFESSOR	ME Pursuing	CAD CAM & AUTOMATION
16	PROF. V. S. VYAWAHARE	ASSISTANT PROFESSOR	M.S	MANUFACTURING ENGINEERING
17	PROF. MS. NEHA MISHRA	ASSISTANT PROFESSOR	ME Pursuing	MACHINE DESIGN
18	PROF. PRATIK P. SAWANT	ASSISTANT PROFESSOR	ME Pursuing	HEAT POWER
19	PROF. DHIRAJ K. MORE	ASSISTANT PROFESSOR	BE	MECHANICAL ENGG.
20	PROF. ARSHAD KURESHI	ASSISTANT PROFESSOR	ME Pursuing	MANUFACTURING ENGINEERING
21	PROF. ANUPRITA KASAT	ASSISTANT PROFESSOR	M.E	CAD CAM & AUTOMATION
22	PROF. RAHUL A. JOBANPUTRA	ASSISTANT PROFESSOR	M.S	THERMAL ENGG.
23	PROF. D. D. GIRIPUNJE	ASSISTANT PROFESSOR	ME Pursuing	CAD CAM & AUTOMATION
OTHER DEPT. LOAD				



24	ABHIRUCHI A. DAKHAWALE	ASSISTANT PROFESSOR	Msc	MATHEMATICS
25	S.PATIL	ASSISTANT PROFESSOR	ME	ELECTRONICS

## FE LOAD (FOR ENGINEERING DRAWING)

26	PROF. ADITYA KASAR	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
27	PROF. NITIN C. CHAVAN	ASSISTANT PROFESSOR	ME Pursuing	HEAT POWER

## EVEN SEMESTER LOAD OF FACULTY 2015-16

S. N.	NAME	DESIGNATION	QUALIFICATIONS	SPECIALISATION
1	PRASHANT DINESH DESHMUKH	PROFESSOR	PHD	MECHANICAL, CAD/CAM
2	RAJESH R JAWARE	ASSOCIATE PROFESSOR	Phd	MECHANICAL, INDUSTRIAL ENGG
3	SHANKERGAUDA	ASSISTANT PROFESSOR	Phd Pursuing	THERMAL ENGG
4	ONKAR GOPALRAO SONARE	ASSISTANT PROFESSOR	Phd Pursuing	PRODUCTION TECH & MGT
5	BHARAT KALE	ASSISTANT PROFESSOR	Phd Pursuing	THERMAL ENGINEERING
6	NILESH L SHINDE	ASSISTANT PROFESSOR	M.TECH.	AUTOMOBILE
7	USHA C PAWAR	ASSISTANT PROFESSOR	M.TECH.	THERMAL POWER
8	DIPTI N AGRAWAL	ASSISTANT PROFESSOR	M TECH	INDUSTRIAL
9	ANAND P JOSHI	ASSISTANT PROFESSOR	M-TECH	NUCLEAR ENGG (IITM)
10	SACHIN M SHINDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
11	DATTATRAY D GIRIPUNJE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS



12	MINAKSHI NITIN WASNIK	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
13	RAJENDRA.ONKARRAO.GA WANDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
14	RAJESH R SHEKAPURE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
15	AMOL GHUDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
16	PRAJAKTA D BAVISKAR	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
17	RAJA TILAKCHAND PATLE	ASSISTANT PROFESSOR	M.TECH	CAD CAM & AUTOMATION
18	AMARKUMAR RAYBHAND DOKHE	ASSISTANT PROFESSOR	ME	MACHINE DESIGN
19	ARTI VISHWANATH	ASSISTANT PROFESSOR	ME	MACHINE DESIGN
20	HRISHIKESH DHANDA	ASSISTANT PROFESSOR	ME	HEAT POWER
21	MANISHA JAYPRAKASH DHANOKAR	ASSISTANT PROFESSOR	ME	MACHINE DESIGN
22	RAHUL JOBANPUTRA	ASSISTANT PROFESSOR	MS	THERMAL ENGINEERING
23	GULBARGA	ASSISTANT PROFESSOR	ME	MANUFACTURING ENGINEERING
24	PRACHI JAGDISH KHOND	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
25	DHIRAJ MORE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
26	SHARAD RAJGIRE	ASSISTANT PROFESSOR	ME	HEAT POWER
OTHER DEPT. LOAD				
27	ABHIRUCHI A. DAKHAWALE	ASSISTANT PROFESSOR	Msc	MATHEMATICS
28	S. SAWALE	ASSISTANT PROFESSOR	ME	ELECTRONICS



FE LOAD (FOR ENGINEERING DRAWING)				
29	SANJAY N LAHOTI	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
30	NITIN C. CHAVAN	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
31	GANESH DHURDE	ASSISTANT PROFESSOR	M.TECH	MANUFACTURING ENGINEERING
32	SUMIT N GAVANDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
33	SHRADDAH PARABHUDAS RANGARI	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
34	KIRAN PRAKASHRAO DESHMUKH	ASSISTANT PROFESSOR	ME	MACHINE DESIGN
35	YOGESH SONAWANE	ASSISTANT PROFESSOR	M.TECH	CAD CAM & AUTOMATION
36	NITIN PANASKAR	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
37	ADARSH GAJMAL	ASSISTANT PROFESSOR	ME	THERMAL ENGG

**EVEN SEMESTER LOAD OF FACULTY 2016-17**

S. N.	NAME	DESIGNATION	QUALIFICATIONS	SPECIALISATION
1	PROF. (DR.) PRASHANT D. DESHMUKH	PROFESSOR	Ph.D.	MECHANICAL, CAD/CAM
2	PROF. (DR.) RAJESH R JAWARE	ASSOCIATE PROFESSOR	Ph. D.	MECHANICAL, INDUSTRIAL ENGG
3	PROF. S. J. SHANKARGAOUDA	ASSISTANT PROFESSOR	Ph. D.	THERMAL POWER
4	PROF. ONKAR G. SONARE	ASSISTANT PROFESSOR	Ph. D Pursuing	PRODUCTION TECH & MGT
5	PROF. BHARATBHUSHAN S. KALE	ASSISTANT PROFESSOR	Ph. D. Pursuing	THERMAL POWER



6	PROF. NILESH L. SHINDE	ASSISTANT PROFESSOR	M.TECH	AUTOMOBILE
7	PROF. (MRS.) USHA C. PAWAR	ASSISTANT PROFESSOR	M.TECH.	THERMAL POWER
8	PROF. ANAND P. JOSHI	ASSISTANT PROFESSOR	M-TECH	NUCLEAR ENGG (ITM)
9	PROF. MS. DEEPTI N. AGRAWAL	ASSISTANT PROFESSOR	M TECH	INDUSTRIAL
10	PROF. R. O. GAWANDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
11	PROF. SACHIN M. SHINDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
12	PROF. MS. MINAKSHI N. WASANIK	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
13	PROF. AMOL J. GHUDE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
14	PROF. R. R. SHEKAPURE	ASSISTANT PROFESSOR	ME	CAD CAM & ROBOTICS
15	PROF. HRISHIKESH A. DHANDHA	ASSISTANT PROFESSOR	ME	HEAT POWER
16	PROF. AMAR RAYBHAND DOKHE	ASSISTANT PROFESSOR	ME	MACHINE DESIGN
17	PROF. RAJA TILAKCHAND PATLE	ASSISTANT PROFESSOR	M.TECH	CAD CAM & AUTOMATION
18	PROF. YOGESH R SONAWANE	ASSISTANT PROFESSOR	M.TECH	CAD CAM & AUTOMATION
19	PROF. PRAVIN P. RANA	ASSISTANT PROFESSOR	M.E	MACHINE DESIGN
20	PROF. KIRAN K. KUTRE	ASSISTANT PROFESSOR	M.E	AUTOMOBILE
21	PROF. GANESH B. KOLEKAR	ASSISTANT PROFESSOR	M.E	CAD CAM & ROBOTICS
22	PROF. RAHUL A. TEKADE	ASSISTANT PROFESSOR	M.TECH	AM & MSD
23	PROF. (DR) V. C. SINGH	ADJUNCT PROFESSOR	Ph. D.	POWER ENGG.



OTHER DEPT. LOAD				
24	ABHIRUCHI A. DAKHAWALE	ASSISTANT PROFESSOR	Msc	MATHEMATIC S
25	SWATI BHANDEGAOKAR	ASSISTANT PROFESSOR	ME	ELECTRONICS
FE LOAD (FOR ENGINEERING DRAWING)				
26	PROF. G. P. DHURDE	ASSISTANT PROFESSOR	Phd Pursuing	MANUFACTURING ENGINEERING
27	PROF. S. N. LAHOTI	ASSISTANT PROFESSOR	M.E	CAD CAM & ROBOTICS
28	PROF. MRS. S. P. RANGARI	ASSISTANT PROFESSOR	M.E	CAD CAM & ROBOTICS
29	PROF. S. N. GAWANDE	ASSISTANT PROFESSOR	M.E	CAD CAM & ROBOTICS
30	PROF. JAYESH V BUTE	ASSISTANT PROFESSOR	M.TECH	HEAT POWER
31	PROF. DAYANAND MAHAMUNI	ASSISTANT PROFESSOR	M.E	MACHINE DESIGN
32	PROF. SHIVPRASAD R MAWAL	ASSISTANT PROFESSOR	M.TECH	MANUFACTURING ENGINEERING
33	PROF. MS. PRAJAKTA P PAWAR	ASSISTANT PROFESSOR	ME	MANUFACTURING ENGINEERING
34	PROF. AADARSH GAJMAL	ASSISTANT PROFESSOR	ME	THERMAL

**11. List of senior visiting faculty- NIL**



**12. Percentage of lectures delivered and practical classes handled by temporary faculty-**

<b>Program :</b>	<b>B. E.</b>			
<b>Specialization:</b>	<b>MECHANICAL</b>			
<b>YEAR:</b>	<b>16-17</b>	<b>15-16</b>	<b>14-15</b>	<b>13-14</b>
<b>FACULTY TYPE</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Ad-hoc</b>	53.36	52	61.39	54.39
<b>Program :</b>	<b>M. E.</b>			
<b>Specialization:</b>	<b>MECHANICAL</b>			
<b>Ad-hoc</b>	0	0	0	0

**13. Student -Teacher Ratio (Program wise)**

<b>S. N.</b>	<b>Program</b>	<b>Specialization</b>	<b>Teacher – Student Ratio</b>					<b>TOTAL</b>
				<b>16-17</b>	<b>15-16</b>	<b>14-15</b>	<b>13-14</b>	
<b>1</b>	<b>B E</b>	<b>Mechanical Engineering</b>	<b>No of Faculties</b>	34	37	24	24	<b>14.68:1</b>
			<b>T-S Ratio</b>	12.35	11.35	17.50	17.50	
<b>2</b>	<b>M E</b>	<b>Mechanical Engineering</b>	<b>No of Faculties</b>	9	9	10	11	<b>1.86:1</b>
			<b>T-S Ratio</b>	2.00	2.00	1.80	1.64	



**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Year	SUPPORTING STAFF		TOTAL
	Technical	Attendant	
<b>16-17</b>	14	3	<b>17</b>
<b>15-16</b>	12	3	<b>15</b>
<b>14-15</b>	12	3	<b>15</b>
<b>13-14</b>	12	3	<b>3</b>
<b>TOTAL</b>	<b>38</b>	<b>12</b>	<b>50</b>

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG**

Year	PhD Completed	M.E./M. Tech Completed	B.E.	TOTAL
<b>2016-17</b>	3	31	0	34
<b>2015-16</b>	2	32	0	34
<b>2014-15</b>	1	14	10	25
<b>2013-14</b>	1	16	10	27
<b>TOTAL</b>	<b>7</b>	<b>93</b>	<b>20</b>	<b>120</b>

**16. Number of faculty with ongoing projects from a) National b) International funding Agencies and grants received: NIL**

**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL**

**18. Research Centre /facility recognized by the University- Yes**

- Department of Mechanical Engineering is recognized as the research centre by Mumbai University in 2013.



- Department is equipped with high end computer systems and software tools like MATLAB, ANSYS, Pro-E, Creo etc. to facilitate the research.
- Internet of 100 Mbps and various e-Journals.
- Departmental library with about 600 books.
- List of Ph.D. Guides (Supervisors)

S. N.	Name of Guide
1	Prof. (Dr.) Prashant D. Deshmukh
2	Prof. (Dr.) Vilas B. Shinde

**19. Paper Publications:**

S. N.	Name of Faculty	No of Papers published in Journals by Faculty		Papers Presented in Conferences	
		International Journals	National Journal s	International Conference	National Conferenc e
1	Prof. (Dr.) Prashant D. Deshmukh	11	1	9	6
2	Prof. (Dr.) Rajesh R Jaware	3	2	9	6
3	Prof. S. J. Shankargaouda	2	Nil	2	3
4	Prof. Onkar G. Sonare	5	Nil	2	6
5	Prof. Bharatbhushan S. Kale	5	Nil	Nil	7
6	Prof. Nilesh L. Shinde	4	Nil	Nil	1
7	Prof. Usha C. Pawar	1	Nil	Nil	6
8	Prof. Anand P. Joshi	Nil	1	Nil	Nil
9	Prof. Dipti N. Agrawal	3	1	6	13
10	Prof. R. O. Gawande	Nil	Nil	2	2



11	Prof. Sachin M. Shinde	2	Nil	3	Nil
12	Prof. Minakshi N. Wasnik	1	Nil	Nil	Nil
13	Prof. Amol J. Ghude	Nil	Nil	1	Nil
14	Prof. R. R. Shekapure	Nil	Nil	Nil	2
15	Prof. Hrishikesh A. Dhandha	1	Nil	1	Nil
16	Prof. Amar Raybhan Dokhe	Nil	Nil	Nil	1
17	Prof. Raja Tilakchand Patle	Nil	Nil	1	Nil
18	Prof. Yogesh R Sonawane	Nil	1	Nil	Nil
19	Prof. Pravin P. Rana	1	Nil	Nil	Nil
20	Prof. Kiran K. Kutre	1	Nil	Nil	Nil
21	Prof. Ganesh B. Kolekar	2	Nil	Nil	1
22	Prof. Rahul A. Tekade	2	Nil	1	Nil
23	Prof. (Dr) V. C. Singh	09	19	06	20
24	Prof. G. P. Dhurde	Nil	Nil	4	3
25	Prof. S. N. Lahoti	1	Nil	Nil	Nil
26	Prof. S. P. Rangari	1	Nil	3	Nil
27	Prof. S. N. Gawande	2	Nil	Nil	Nil
28	Prof. Jayesh V Bute	Nil	Nil	2	1
29	Prof. Dayanand Mahamuni	Nil	Nil	Nil	2
30	Prof. Shivprasad R Mawal	Nil	Nil	2	1
31	Prof. Prajakta P Pawar	1	Nil	1	Nil
32	Prof. Aadarsh Gajmal	Nil	Nil	1	Nil
33	Prof. Amaresh Gudagunta	1	Nil	Nil	Nil

**20. Areas of consultancy and income generated: NIL**

**21. Faculty as members in****a) National committees:-**

Sr. No.	Name of faculty	Name of Committee	Designation
1	Prof. (Dr.) Prashant D. Deshmukh	ISTE	Life Member
		IIIE	Life Member
2	Prof. (Dr.) Rajesh R Jaware	ISTE	Life Member
		IE	Life Member
		SoM	Life Member
		IIIIE	Life Member
3	Prof. S. J. Shankargaouda	ISHRAE	Faculty Advisor
		SESI	Life Member
		ISTE	Life Member
4	Prof. Onkar G. Sonare	ISTE	Life Member
		IE	Life Member
		IIIIE	Life Member
5	Prof. Bharatbhushan S. Kale	IIIIE	Life Member
		SAE	Annual Member
6	Prof. Anand P. Joshi	ISHRAE	Faculty Advisor
7	Prof. Amol J. Ghude	IIIIE	Life Member
8	Prof. S. N. Gavande	IIIIE	Life Member
9	Prof. R. O. Gawande	ISTE	Life Member
10	Prof. Prajakta P Pawar	IIIIE	Life Member
11	Prof. Jayesh V Bute	ISTE	Life Member
12	Prof. S. N. Lahoti	IIIIE	Life Member
		ISTE	Life Member
13	Prof. Rahul A. Tekade	ISTE	Life Member
14	Prof. S. P. Rangari	SAE	Faculty Advisor
15	Prof. R. R. Shekapure	ISTE	Life Member

**b) International Committee:-**

Sr. No.	Name of faculty	Name of Committee	Designation
1	Prof. S. J. Shankargaouda	ASHRAE	Faculty Advisor
2	Prof. Amol J. Ghude	ASHRAE	Faculty Advisor

**c) Editorial Board:-**

Sr. No.	Name of faculty	Name of Journal	Designation
1	Prof. (Dr.) Rajesh R Jaware	Indian Journal of Social Sciences and Sciences, ISSN 2231-2447, Kalanchupar Research Institute, Assam, India	Advisory Board

**22. Student projects**

- i) **UG Level:** Percentage of students who have done in-house projects including inter departmental/programme and projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

Year	No. of In house Projects	Percentage of in-house projects	No. of Projects in collaboration	Percentage of projects in collaboration
2016-17	33	100 %	00	00 %
2015-16	32	84.21 %	06	15.78%
2014-15	34	100 %	00	00 %
2013-14	21	100 %	00	00 %

- ii) **PG Level:** Percentage of students who have done in-house projects including inter departmental/programme and projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies.
-



Year	No. of In house Projects	Percentage of in-house projects	No. of Projects in collaboration	Percentage of projects in collaboration
2016-17	05	100 %	00	00 %
2015-16	10	100 %	00	00 %
2014-15	14	100 %	00	00 %
2013-14	16	100 %	00	00%

**23. a) Awards/ Recognitions received by faculty:**

<b>i) Academic Awards</b>				
S. N.	Name of the Faculty	Year	Award	
<b>Year 2015-16</b>				
01.	Dr. Prashant D. Deshmukh	February 2016	Successfully completed PhD. in mechanical Engineering with thesis Title “Investigating Cost & Quality Arbitrage in Indian small & medium scale industries on implementation of ERP / CRM ” from Mumbai University in 2016	
02.	Ms. Shraddha Prabhudas Rangari	27/12/2015	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title “Study and Analysis of Internal Diameter Surface Quality by EPDAP Process” from Mumbai University in 2015	
03.	Mr. Shinde Sachin Manohar	03/10/2015	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title “Parametric Optimization of Manufacturing of Aluminum Die Casting	



			Using Computer Aided Design" from Mumbai University in 2015.
04.	Mr. Nitin Chandrakant Chavan	10/10/2015	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title "Development of Control System to Maintain the Constant Temperature throughout the Machining Process for Obtaining Required Surface Roughness" from Mumbai University in 2015.
05.	Ms. Bagade Minakshi Prakash	29/10/2015	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title "Design and Analysis of Concentric Pipe Heat Exchanger for flue gas heat recovery as per ASME Elastic Stress Method" from Mumbai University in 2015

**Year 2014-15**

01	Mrs. Dipti N. Agrawal	2015	Appreciation letter for Juggling Technical Paper Presentation organized by Terna College of Engineering, Nerul, Navi-Mumbai.
02.	Mr. Giripunje Dattatry Dilip	15/06/2015	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title "Thermal analysis of motor bike exhaust silencer for ensuring reduction in hot spot through design enhancement" from Mumbai University in 2015



03.	Mr. Gavande Sumit Nivrutti	04/07/2015	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title “Design of Bell-Mouth Manifold on Suction Side Pipe of Centrifugal Pump” from Mumbai University in 2015
04.	Mr. Kadam Sunil Tukaram	19/10/2014	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title “Design of Vacuum Chamber for the Release of Polymeric Microstructure” from Mumbai University in 2014
05.	Mr. Kasar Aditya Suresh	16/08/2014	Successfully completed ME in mechanical Engineering (CAD/CAM & Robotics) with thesis Title “Analysis and Optimization of Savonius Wind Turbine” from Mumbai University in 2014

**ii) Co-curricular:**

S. N.	Name of the Faculty	Year	Recognition
<b>Year 2015-16</b>			
01.	Mr. Bharatbhushan S. Kale	2016	Worked as a faculty advisor for SAE team in Torrid Racing event held at Delhi 2016.
02.	Mr. Anand P. Joshi	2016	Worked as a faculty advisor for ISHRAE & ASHRAE team in a Quest, Tech-Talk JUMBHORIE-4 held at 2016.
03	Mr. Anand P. Joshi	(2015-16),	Winter /Summer Schools
	Dr. R. R. Jaware, Prof.O. G. Sonare	2016	Orientation Course



<b>Year 2014-15</b>			
01	Dr. Kiran S. Bhole , Prof. B. S. Kale	2015	QIP in Mechatronics
02	Prof. B. S. Kale	2014-15	Refresher Course
03	Dr. Kiran S. Bhole, Prof Vikram S , Vyawahare(2014-15)	2014-15	
<b>Year 2012-13</b>			
01	Mr. Kiran S. Bhole	(2012-13)	Advance Training
02	Prof. N. L. Shinde	(2012-13)	Mechanical Design

**b) Awards/Recognitions Received by Students:**

<b>i) Academic Achievements:</b>				
S.N.	Name of the Student	Year	Award	Awardees/Organization
1	Milind R. Sukhtankar	2014-15	University Rank 5 <sup>th</sup>	University of Mumbai
2	Tanvi P. Kamat	2013-14	University Rank 2 <sup>nd</sup>	University of Mumbai

<b>ii) Co-curricular Achievements:</b>				
S. N.	Name	Year	Award	Awardees/Organization
1	Suresh Sutar	2015-16	Certificate of participation in All India Inter collegiate Engineering Quiz competition	Organized by ISHRAE.
2	Prasad Rudrawar			



3	Rahul Dole	2015-16	Final Runner up for Regional of Tata Crucible Campus Quiz 2015.	
4	Sagar Surve			
5	Kurne Akshay	2015-16	1 <sup>st</sup> Prize Certificate of excellence for Bridge the Gap Competition in TECH NOVANZA national level technical festival	Organized by VJTI & L&T.

**iii) Sports Achievements:**

S. N.	Name of the Student	Year	Award	Awardees/Organization
1	Vinayak Bamne, Akshay Bhor and others	2015-16	1 <sup>st</sup> Runner up in Tug-of-war in inter collegiate Tournament	University of Mumbai
2	Akshay Bhor and team	2015-16	2 <sup>nd</sup> Runner up in Kabaddi in inter college.	Lokmanya Tilak College of Engg. Navi Mumbai

**24) List of eminent academicians and scientists/ visitors to the Department: NIL****25) Seminars/ Conferences/Workshops organized & the source of funding:****a) Name & details of Seminar Conducted by the department: NIL****b) Name & details of Workshop Conducted by the department:**



S. N.	Date	Topic of Workshop	Designation of Expert / speaker	Source of funding	Fund received	No. of participants	National / International
1	7 <sup>th</sup> September 2015	One Day Workshop on “Engine Management Systems” conducted by IDEABOXX Technical solution.		IDEABOX X Technical solution / Students	NA	20	National
2.	09 <sup>th</sup> - 10 <sup>th</sup> October 2015	Two Day Workshop on “Hand Gesture control devices” conducted by IIT – Madras & CODEX Design under SHAASTRA 2016.		IIT – Madras & CODEX Design / Students	NA		National
3	04 <sup>th</sup> September 2015 to 16 <sup>th</sup> October 2015	Weekly Technical Quiz for B.E Mechanical Students.	N.A	SELF	YES	140	N.A



4	01 <sup>s<sup>t</sup> September 2015 to 16<sup>th</sup> October 2015</sup>	Weekly Technical Quiz for T.E Mechanical Students.	N.A	SELF	YES	140	N.A
---	----------------------------------------------------------------------------	----------------------------------------------------	-----	------	-----	-----	-----

c) Name & details of Training Programs Conducted by the department: NIL

d) Name & details of Expert Lectures Conducted by the department:

S. N.	Name of Expert	Topic	Date
01	Mr. Ashok Deshmukh	Positive Thinking	October-15

#### 26. Student profile programme/course wise:

##### i) UG Level:

Name of the Course	Application received		Selected	Enrolled				*Pass Percentages		
	FE	Direct Admission (2 <sup>nd</sup> Year)		FE		DSE		FE	Direct Admission (2 <sup>nd</sup> Year)	
				*M	*F	*M	*F			
2016-17	50	85	135	45	5	65	20	---	----	
2015-16	61	84	145	54	7	62	22	56.25 %	73.81 %	
2014-15	52	79	131	43	9	65	14	62.5 %	58.82 %	
2013-14	57	78	135	49	8	60	18	94.91 %	97.53	

**ii) PG Level**

Name of the Course	Application received	Selected	Enrolled		*Pass Percentages
			*M	*F	
2016-17	01	01	-----	01	100 %
2015-16	05	05	02	03	100 %
2014-15	10	10	06	04	100%
2013-14	14	14	09	05	100%

**27. Diversity of Students:**

Name of the Course	Academic Year	No. of students from same state	% of students from the same state	No. of students from other states	% of students from other States
Mechanical Engineering	2016-17	50	100%	00	00
	2015-16	61	100%	00	00
	2014-15	49	94.24%	03	5.76%
	2013-14	54	98.18%	01	1.81%

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc?**

Exam	No. of Students		
	2013-14	2014-15	2015-16
GATE	03	06	02

**29. Student progression:**

Student progression	Against % enrolled 2015-16	Against % enrolled 2014-15	Against % enrolled 2013-14	Against % enrolled 2012-13
UG to PG	17/140 12.15	17/137 12.40	15/142 10.56	18/134 13.43
PG to Ph.D.	01/16 16.66	00 00	00 00	00 00
Employed	23/140 16.42	34/137 24.81	14/142 9.85	34/134 25.37
Campus selection				
Other than campus recruitment	NIL	NIL	NIL	NIL
Entrepreneurship/Self employment	NIL	NIL	NIL	NIL

**30. Details of Infrastructural facilities:**



S. N.	INFRASTRUCTURE FACILITY	DETAILS	NUMBERS
1	LIBRARY	NO OF TITLES	17102
		NO OF BOOKS	42144
		JOURNALS /MAGZINES / PERIODICALS	8 / NIL /NIL
		E JOURNALS	IEEE,ASME,ASCE, McGraw Hill
		CDS	00
	DEPARTMENT LIBRARY	BOOKS	675
		OTHERS	NIL
		TOTAL	675
2	INTERNET FACILITIES FOR STAFF AND STUDENTS	COMPUTER WITH INTERNET	50
		SWITCH	01
		BAND WIDTH	48 MBPS
3	CLASS ROOM WITH ICT FACILITY	CLASS ROOM	0
		TUTORIAL ROOM	2
		SEMINAR ROOM	02
4	LABORATORIES	MECHANICAL ENGG	09
		COMPUTER LAB	01
		TOTAL	10
5	MAJOR EQUIPMENTS	MECHANICAL ENGG LABORATORIES	94

---

**a) Class rooms with ICT facility: 01**

Room Description	Usage	Shared/ Exclusive	Capacity	Area in Sq. Mtr.	Rooms Equipped with
<b>ICT Class room Requirement :Smart board/LCD Display/OHP/ Interactive board and Internet Facility</b>					
<b>Classrooms: 06</b>					
Class Room No.A-302	Teaching Learning	Exclusive	80	85.75	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-307	Teaching Learning	Exclusive	80	115	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-314	Teaching Learning	Exclusive	80	82.5	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-315	Teaching Learning	Exclusive	80	82.7	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-414	Teaching Learning	Exclusive	80	74.89	Green Board, Podium, Fans, Tube Lights, Proper Ventilation

**b) Laboratories:**

S. N.	Name of Laboratory	Exclusive Use/ Shared	Utilization %	Laboratory Manuals	Area in Sq. Mtr.
1.	Mechanical Vibrations/ Theory of Machines	Exclusive Use	80	Y	113.64
2.	Heat and Mass Transfer	Exclusive Use	40	Y	70
3.	Fluid Mechanics/ Hydraulic Machinery	Share with Civil	80	Y	154.12
4.	Refrigeration and Air Conditioning	Exclusive Use	40	Y	97.99
5.	Mechatronics	Exclusive Use	40	Y	72.19
6.	Metrology and Quality Control	Exclusive Use	40	Y	81.93
7.	Internal Combustion Engine	Exclusive Use	40	Y	95.96
8.	Workshop Mechanical	Exclusive Use	88.86	Y	200
9.	CAD Lab	Exclusive Use	100	Y	113.23
10.	Materials Technology	Exclusive Use	40	Y	71.22
11.	CNC	Exclusive Use	40	Y	71.22
12.	Strength of Materials	Share with Civil	40	Y	

---



**31. Whether students get financial assistance from college, university, government or other agencies: Yes**

UG Program	Categories	2016-17	2015-16	2014-15	2013-14
<b>Mechanical</b>	<b>SC</b>	NIL	56	56	47
	<b>ST</b>		21	11	17
	<b>OBC</b>		73	73	56
	<b>VJNT</b>		39	37	31
	<b>SBC</b>		4	4	2
	<b>EBC</b>		49	39	30
	<b>Minority</b>		6	4	0
	<b>TATA</b>		0	6	6
<b>Electrical</b>	<b>Care Foundation</b>	NIL	NIL	1	NIL
	<b>Khidmat charitable trust</b>	NIL	NIL	2	NIL
	<b>Suman Ramesh Tulsiani Charitable Trust</b>	9	NIL	11	NIL
	<b>Joosabbhoy A Allana Charities</b>	NIL	NIL	1	NIL
	<b>Parinam Foundation</b>	NIL	1	NIL	NIL
	<b>The Learning Curve Educational Trust</b>	NIL	1	NIL	NIL
	<b>Suman Ramesh Tulsiani Charitable Trust</b>	NIL	10	NIL	NIL
	<b>Sahayata Trust Mumbai</b>	NIL	1	NIL	NIL
	<b>J S W Foundation</b>	1	NIL	NIL	NIL

**32. Details of student enrichment programmes (special lectures / workshops / seminar) with external experts**

S. N.	Title	Resource Person Details	Category	Date	No. of Participants
1.	Automobile Engg. Seminar	Mr. Dalvi	Seminar	Sept-16	100
2.	Introduction Rapid Prototyping	Mr. Abdul Sheikh	Expert Lecture	5/01/2016	50
3.	ERP	Mr Ravi Kumar	Expert Lecture	17/03/2016	25
4.	Orientation of 3D Cad-Cam Software	M/s Varsha Bhambure	Expert Lecture	10/11/2016	80
5.	Motivational speech	Mr. Ashok Deshmukh	Expert Lecture	22/10/2015	100

**33. Teaching methods adopted to improve student learning**

Department practice blend of Activity based and Project based learning in addition to traditional lecture-based learning.

---



**To improve classroom learning, department has applied following practices**

- Department Library Facility is available.
- Industrial Visits are conducted.
- Teachers are allotted subject as per their choice and specialization
- Teachers are asked to prepare semester-long teaching plan and course file before the start of the semester.
- Each teacher is asked to prepare soft copies of their notes and PowerPoint presentations for the course content. Same is shared with the students by using Email, Whatsapp and in the classrooms.
- To simplify Teaching Learning process teaching aids are provided for conducting lectures.
- Models, videos, and animations are used by faculty members to elaborate concepts as per the complexity of the topic.
- Lab experiments and homework in the form of assignments is given to students

**Project Based and Active Learning**

- Department has designed three courses based on the Project Based Learning (PBL) concept. In these courses, students are asked to work on the projects. Students informed that learning in PBL environment is better than traditional lectures. Also, it is useful for promoting professional and process skills.
- Lab Innovations is another activity in line with PBL principles, in which students are allowed to work on their ideas. This activity also results in improved learning and creation of useful lab models.
- Also, students are motivated to work on ongoing research projects.
- Capstone projects are compulsory projects for the final year students.
- Project exhibition and various technical festivals provide an opportunity for active learning.
- Expert talks and Industry expert Seminars are arranged to bridge the knowledge gap of the students.

**Assessment Method**

- Feedback analysis is conducted from Students for Staff Improvement.
- Direct assessment of the course was done by alumni, industry and experts from professional bodies.
- Various tests (Unit test and Prelim, Online, etc.) are used for assessment.
- Mock tests are conducted to evaluate the students' understanding.
- Industry experts are included during the revision of the course at university level.
- Feedback from alumni and final year student are taken into account during the revision of the PEO's at the institute.
- Indirect assessment is done through campus interviews and performance of students in competitive exams like GATE, GRE, and CAT, etc.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- By involving students in Blood Donation Camps
- By involving students in National Festival celebration Republic and Independence day
- By involving students in tree plantation activity.

**35. SWOC analysis of the Department and Future plans**

Strength Weakness Opportunity Challenges (SWOC) analysis used to identify the acquired and inherent strengths along with weaknesses of the department. Furthermore, it is also carried out to identify the opportunities to excel and improve, to negotiate the challenges faced by the department from the internal and external environment.

**Strengths**

- Well qualified experienced and dedicated faculty.
- Well-equipped Workshop facility
- Library– International Journals
- Enthusiastic, dedicated Mechanical students who are consistent in their enrollment.
- Air-conditioned seminar Halls, fully equipped with state-of-the-art audio-Visual devices.
- High success rate
- High speed internet facility for students & staff
- Well-furnished class room
- Learning environment is a blend of traditional teaching and Project Based Learning and Activity Based Learning.
- The mechanical department has pool of well qualified and experienced faculty



- Faculty from IIT and NIT for academic and research work
- Well maintained labs to support curriculum
- Classrooms equipped with good quality LCD projectors, screen, and ambiance.

### **Weaknesses**

- Professional skills needs to be further improved among students
- Communication skills among rural based students needs improvement
- Lack of international student attraction
- Inadequate consultancy activities

### **Opportunities**

- Leader in providing quality engineering education clubbed with placements
- Industry oriented training
- Becoming a leader in student placements
- Becoming a leader in interdisciplinary and integrated learning
- An opportunity to interact with eminent personalities
- To achieve university rank
- Interdisciplinary approach in research & industrial training
- Good opportunity for community projects
- Opportunity to become renewable energy model department
- Environmental consciousness

### **Challenges:**

- Induction and retention of faculty
- Lesser Placement opportunities due to recession faced by the mechanical industries
- Fee restriction by the state government

### **Future plans:**

- Enhancement in Research Activities
- Centre of excellence
- Enhancing industry Institute interaction for projects by students and faculty
- Industrial training for faculty
- Patent enrollments etc
- To establish an Energy research Centre for Project Based Learning research



### Department of Chemical Engineering

- 1. Name of the department: Chemical Engineering**
- 2. Year of Establishment: 1999**
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG BE (Chemical Engineering)**
- 4. Names of Interdisciplinary courses and the departments/units involved:**
- 5. Annual/Semester/Choice based credit system ( programme wise):**

Sr. No.	Program	Credit System
1.	Bachelor of Engineering  B.E	Semester wise Choice Based Credit and Grading System from Academic Year 2016-17 by University of Mumbai. Annual based results are declared although semester based examination system is in place.
2.	Bachelor of Engineering  B.E	Semester wise Credit Based Grading System from Academic Year 2012-13 by University of Mumbai. Annual based results are declared although semester based examination system is in place.

- 6. Participation of the department in the courses offered by other departments:**
- 7. Courses in Collaboration with other universities, Industries, Foreign institutions, etc.: Nil**
- 8. Details of courses /Programmes discontinued (if any) with reasons: Nil**
- 9. Number of teaching posts**

	Sanctioned	Filled
Professors	01	01
Associate Professors	03	00
Asst. Professors	12	08



- 10.** Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.  
/Ph.D. / M. Phil. etc.,)

**AY 2016-17 (Even)**

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane separation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical- Environmental Engineering
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mr.A C Ranveer	M.E.	Assistant Professor	Reaction Kinetics and waste water Treatment
Mr. R O Narkhede	M.E.	Assistant Professor	Chemical Engineering
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Trupti W Charpe	Ph.D	Assistant Professor	Separation processes



Mrs. Sriporna sengupta	M.E.	Assistant Professor	Chemical Engineering
Mr. N O Warade	M.Sc.	Assistant Professor	Mathematics
Mr. G M Patil	M.Sc	Assistant Professor	Physics

## AY 2016-17 (Odd)

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane separation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mr.A C Ranveer	M.E.	Assistant Professor	Reaction Kinetics and waste water Treatment
Mr. R O Narkhede	M.E.	Assistant Professor	Chemical Engineering



Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Trupti W Charpe	Ph.D	Assistant Professor	Separation processes
Mrs. Sriporna sengupta	M.E.	Assistant Professor	Chemical Engineering
Mr. N O Warade	M.Sc.	Assistant Professor	Mathematics
Mr.S B Patange	M.A.	Assistant Professor	English

**AY 2015-16 (Odd)**

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane seperation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation



Mr. R O Narkhede	M.E.	Assistant Professor	Chemical Engineering
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Dr. Trupti W Charpe	Ph.D	Assistant Professor	Separation processes
Mrs. Shruti Bharte	M.Tech	Assistant Professor	Chemical Engineering
Dr V M Balsaraf	PhD	Assistant Professor	Chemistry
Mr.S B Patange	M.A.	Assistant Professor	English
Mrs Shweta Pawariya	M.Sc.	Assistant Professor	Mathematics

**AY 2015-16 (Even)**

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane seperation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment



Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mr.A C Ranveer	M.E.	Assistant Professor	Reaction Kinetics and waste water Treatment
Mr. R O Narkhede	M.E.	Assistant Professor	Chemical Engineering
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Dr. Trupti W Charpe	Ph.D	Assistant Professor	Separation processes
Mrs. Shruti Bharte	M.Tech	Assistant Professor	Chemical Engineering
Mrs Shweta Pawariya	M.Sc.	Assistant Professor	Mathematics
Mr.S B Patange	M.A.	Assistant Professor	English

## AY 2014-15 (Odd)

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane seperation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer



Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Mrs Bharati Deshmukh	M.E.	Assistant Professor	Separation processes
Mrs Afroz Momin	M.Tech	Assistant Professor	Chemical Engineering
Mrs Pallavi Kherde	M.E.	Assistant Professor	Chemical Engineering
Mrs Manisha Gund	M.Sc.	Assistant Professor	Mathematics
Mr.S B Patange	M.A.	Assistant Professor	English



AY 2014-15 (Even)

Name	Qualificatio	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane seperation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Mrs Bharati Deshmukh	M.E.	Assistant Professor	Separation processes
Mrs Karnti Sutte	M.Tech	Assistant Professor	Chemical Engineering
Mrs Pallavi Kherde	M.E.	Assistant Professor	Chemical Engineering
Mrs Manisha Gund	M.Sc.	Assistant Professor	Mathematics
Mr.S B Patange	M.A.	Assistant Professor	English



## AY 2013-14 (Odd)

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane seperation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Mrs Jyoti Sagale	M.E.	Assistant Professor	Separation processes
Mrs Rutuja Kamble	M.Tech	Assistant Professor	Chemical Engineering
Mrs Sarwani Parashar	MSc	Assistant Professor	Chemical Engineering
Mr. N O Warade	M.Sc.	Assistant Professor	Mathematics
Mr.S B Patange	M.A.	Assistant Professor	English



AY 2013-14 (Even)

Name	Qualification	Designation	Specialization
Dr. K S Deshmukh	Ph.D	Professor	Reactive Chromatography
Mr. S M Deshmukh	M.Tech	Assistant Professor	Membrane seperation
Mr. R.W. Tapre	M.Tech	Assistant Professor	Heat Transfer
Mr.P M Ingole	M.Tech	Assistant Professor	Solid waste treatment
Mr.S J Kulkarni	M.E.	Assistant Professor	Wastewater Treatment
Mrs. S R Dhokpande	M.Tech	Assistant Professor	Biological Wastewater Treatment
Mrs. M T Sose	M.E.	Assistant Professor	Chemical-Environmental
Mr.S G Ingle	M.Tech	Assistant Professor	Heat transfer Augmentation
Mrs. P R Gawande	M.E.	Assistant Professor	Water Treatment
Mrs Jyoti Sagale	M.E.	Assistant Professor	Separation processes
Mrs Bharati Deshmukh	M.Tech	Assistant Professor	Chemical Engineering
Mrs A A Dakwale	M.Sc.	Assistant Professor	Mathematics
Mr.S B Patange	M.A.	Assistant Professor	English



**11. List of Senior visiting/Expert Faculty: Nil**

**12. Percentage of Lectures delivered and Practical classes handled (Programwise) by temporary faculties:**

**Academic Year: 2016-2017**

Sr. No.	Name of Faculty	% load taken	
		Odd sem	Even sem
1	Dr.Mrs T.W.Charpe	7.65	7.81

**Academic Year: 2015-2016:**

Odd Semester:

Sr. No.	Name of Faculty	% load taken
1.	Mr.S.G.Ingle	8.92
2.	Mrs.Pallavi Kherde	8.47
3.	Dr.Mrs.T.W.Charpe	7.34

Even Semester:

SR.No.	Name of Faculty	% load taken
1.	Dr.Mrs.T.W.Charpe	9.93
2.	Mrs Shruti Bharambe	9.93

**Academic Year: 2014-2015:**

Odd Semester:

Sr. No.	Name of Faculty	% load taken
1.	Mr.S.G.Ingle	9.62
2.	Mrs.Bharati Deshmukh	8.55
3.	Ms. Afroz Momim	8.55
4.	Mrs.Pallavi Kherde	9.09

Even Semester:

SR.No.	Name of Faculty	% load taken
1.	Mr.S.G.Ingle	8.72
2.	Mrs.Bharati Deshmukh	8.72
3.	Ms. Afroz Momim	9.30
4.	Mrs.Pallavi Kherde	8.72

**Academic Year: 2013-2014**

Odd Semester:

Sr .No.	Name of Faculty	% load taken
1.	Mr.S.G.Ingle	9.03
2.	Ms.Rutuja S. Kamble	8.47
3.	Mrs.Sarbani Parashar	7.34



Even Semester:

Sr. No.	Name of Faculty	% load taken
1.	Mr.S.G.Ingle	10.34
2.	Mrs.Bharati Deshmukh	10.34

**13. Student-Teacher Ratio (programme wise):**

AY 2013-14		AY 2014-15		AY 2015-16		AY 2016-17	
Odd Sem	Even Sem						
18:01	17:01	18:01	17:01	19:01	19:01	17:01	17:01

**14. Number of academic support staff:**

Staff	Sanctioned	Filled
Laboratory assistant	03	03
Skilled Laboratory assistant	01	01
Laboratory attendant	02	02

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

	A.Y. 2016-17		A.Y. 2015-16		A.Y. 2014-15		A.Y. 2013-14	
	ODD	EVEN	ODD	EVEN	ODD	EVEN	ODD	EVEN
PhD	02	02	02	02	01	01	01	01
PG (ME/MTech)	14	14	14	14	14	14	14	14



**16.** Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - NIL

**17.** Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received - NIL

**18.** Research Centre /facility recognized by the University - NIL

**19.** Paper Publications:

Sr. No	Name of Faculty Member	NO of Publication		Citation Index	Impact factor	h- index	Books Published
		International	National				
1	Dr. Mrs. Deshmukh Kalpana Sushilkumar	8	5	9	-	1	0
2	Mr.Deshmukh Satyajit Machhindra	8	21	0	-	0	0
3	Mr. Tapre Ravi Wamanrao	15	2	21	-	2	0
4	Mr. Ingole Prashant Manoharrao	4	5	0	-	0	0
5	Mr. Kulkarni Sunil Jayant	146	2	543	-	13	0
6	Mrs.Dhokpande Sonali Ravikumar	15	2	61	-	5	0
7	Mrs. Sose Meera Tejrao	2	1	0	-	0	0
8	Mr. Ingle Santosh Gowardhan	0	1	0	-	0	0
9	Mr. Ranveer Anil Chudaman	37	3	1	-	1	0

---



10	Mr. Narkhede Rajeev Onkar	1	0	0	-	0	0
11	Mrs. Gawande Pratibha Raju	5	1	0	-	0	0
12	Dr.Mrs. Charpe Trupti Wasudeo	5	0	96	-	3	0
13	Mrs. Pulkit Sengupta	1	0	0	-	0	0
14	Mr N. O. Warade	0	0	0	-	0	1
15	Mr. S. B. Patange	0	0	0	-	0	0

**20. Areas of consultancy and income generated- NIL****21. Faculty as members in**

Sr No	Name of Faculty	Membership details with no		National committees /International Committees /Editorial Board
1	Dr. Mrs. K.S.Deshmukh	ISTE	LM-23054	1 NOS
2	Mr.S.M.Deshmukh	ISTE	LM 39155	-
3	Mr.R.W.Tapere	ISTE	LM 90469	-
4	Mr.P.M.Ingole	IA-ENG	172742	-
5	Mr.S.J.Kulkarni	ISTE	LM-55782	25 NOS
6	Mrs.S.R.Dhopande	ISTE	LM 90473	-
7	Mrs.M.T.Sose	ISTE	LM 90475	-
8	Mr.S.G.Ingle	ISTE	LM90470	-



9	Mr.A.C.Ranveer	IIChE ISTE IAENG ACES APCBEEs	LM-51005 LM- 103391 154352 80351138 201678	-
10	Mr.R.O.Narkhede	ISTE IIChE	LM 13858 LM 43801	-
11	Mrs.P.R.Gawande	ISTE	LM-90471	-
12	Dr.Mrs.T.W.Charpe	-	-	-
13	Mrs.S.G.Purkait	-	-	-
14	Mr.N.O.Warade	-	-	-
15	Mr.S.B.Parange	-	-	-
16	Mrs Namita Shah	-	-	-

## 22. Student projects

Percentage of students who have done in-house projects including inter departmental/programme

Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies-

	AY 2016-17		AY 2015-16		AY 2014-15		AY 2013-14	
	In-house	Out-House	In-house	Out-House	In-house	Out-House	In-house	Out-House
Total	22	10	15	10	17	7	15	7
Percentage	68.75	31.25	60	40	70.8	29.2	68.1	31.9

**23. Awards / Recognitions received by faculty and students****Awards / Recognitions received by students**

<b>YEAR-2016-2017</b>		
<b>Sr No</b>	<b>Name of Students</b>	<b>Awards / Recognitions received</b>
1	Chirag Shirodkar Ashutosh Karkare	1. Got 1 <sup>st</sup> place in Technical Paper Presentation titled “The Prominace of Nanomaterials in Sciences and Medicines”, at “National Chemical Engineering Students Conference –PRAKALP 2016”, in MIT Alandi during 26 <sup>th</sup> and 27 <sup>th</sup> August 2016.
		Got 1 <sup>st</sup> place in Technical Paper Presentation titled “Nanotechnology in Environment and Sciences”, at “National Chemical Engineering Students Conference –CHEMERGENCE-2016”, in TSEC Bandra during 2 <sup>nd</sup> and 3 <sup>rd</sup> Oct 2016.
		Got 3 <sup>rd</sup> place in Technical Paper Presentation titled “Nanotechnology in Environment”, at “VORTEX - 2016”, in ICT Matunga During 20 <sup>th</sup> to 23rd Oct 2016.
<b>YEAR-2015-2016</b>		
1	Akshita Mogaveera, Himanshu Malani Pravin Salve	Won N. R. Kamath trophy for the year 2015-16 by defeating six times champions ICT Matunga and IITB which was held in IITB on 12 <sup>th</sup> March 2016.
2	Akshita Mogaveera Aditi Bhudale NaveenSabbani	Won the winners' cup of chem. Engg quiz by getting 1 <sup>st</sup> position in BVCOE Belapur on 5 <sup>th</sup> March 2016.
3	Chirag Shirodkar Ashutosh Karkare	Runners up prize of Rs 5000/- and certificates in OYCE Blast Carboblocks- Thyssenkrupp Award 2016 on 26 <sup>th</sup> and 27 <sup>th</sup> Feb 2016 held at DMCE Airoli



4	Chirag Shirodkar Ashutosh Karkare	Secured 3 <sup>rd</sup> position in the event, “Papyrus”, held during VORTEX 2015 at the Institute of Chemical Technolgy, Mumbai from 10 <sup>th</sup> to 13 <sup>th</sup> Oct 2015.
---	--------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**YEAR-2014-2015**

1	Bajirao Todkar Madhuri Rampelli	Secured 1 <sup>st</sup> position in paper presentation competition on topic “Extraction of Silica From Rice Husk”, in NCOAT-NIRMITI-2015 held on 28 <sup>th</sup> Feb 2015 at PIET, Nagpur.
2	Vivek Tiwari Ganesh Pal	Got 1 <sup>st</sup> position in Technical Paper Presentation titled “Microbial Enhanced Oil Recovery”, in “Prakalp 2014-15” organized by MIT PUNE on 5 <sup>th</sup> and 6 <sup>th</sup> Sep 2014.

**YEAR 2013-2014**

1	Charmi Nagaria Madura Chincholi Priyanka Sagweka	Placed second runner up N.R.Kamath Quiz 2014 held in DJSCOE Vile Parle on 11 <sup>th</sup> March 2014.
2	Shantanu Lanke	Placed 1 <sup>st</sup> Position in Technical Paper Presentation at Thadomal Sahani Engg.College.Bandra Mumbai on October-2013

**24. List of eminent academicians and scientists / visitors to the department**

<b>Year 2016-2017</b>			
<b>Sr No</b>	<b>Name of scientists / visitors</b>	<b>Event</b>	<b>Date</b>
1	Dr. Jyotirmoy Banerjee, Group Head – Human Resource for KazStroy Service.	Outstanding young Chemical Engineer Blastcarbo Blocks Thyssenkrupp Award 2016	26 <sup>th</sup> and 27 <sup>th</sup> Feb 2016



2	Mr. N. Rammohan Associate Director, NPCIL BARC.		
3	Dr. Vijay G. Habbu Senior Vice President Head, Research, Technology & Sustainability Assurance Polyester Sector Reliance Industries Ltd.		
4	Mr. K.S. Rao Executive Director Sales, ThyssenKrupp Industrial Solution (INDIA)		
5	Mr. Sushil Kumar, President-GMS Reliance Industries Ltd.		
6	Mr. P.K.Saxena, MD and CEO Blast Carbo blocks		

**Year 2015-2016**

1	Mr. Sridhar Chitanvis, Sr. GM Aker Solutions	Scope and upcoming trends of Chemical Engineering	8 <sup>th</sup> Oct 2015
---	----------------------------------------------	---------------------------------------------------	--------------------------

**Year 2014-2015-NIL****Year 2013-2014**

1	K. Sahastranaman	Challenges for Chemical Engineering Faculty to Meet the Needs of Industries” (CCEFI -13)	May 6-11, 2013
2	Nandkishore Nere		
3	Dr. ArchisYawalkar		
4	Dr. Kulkarni		
5	Prof. K.V.Venkatesh		
6	Dr. R. Ghadge		
7	Dr. V.Ramesh		



8	Dr.ParagGogte		
9	Dr. Gharpure		
10	Mr.Mokashi		
11	Dr.ArchisYawalkar		
12	Dr. K.S. Deshmukh		

**25. Seminars/ Conferences/Workshops organized & the source of funding****a) National**

Sr no	Seminars/ Conferences/ Workshops	Event	Source of funding	Date
<b>Year 2013-2014</b>				
1	National	Challenges for Chemical Engineering Faculty to Meet the Needs of Industries” (CCEFI -13)	ISTE -SRM	May 6-11, 2013
<b>Year 2015-16</b>				
1	National	Outstanding young Chemical Engineer Blast-carbo Blocks Thyssenkrupp Award 2016	self	26 <sup>th</sup> and 27 <sup>th</sup> Feb 2016

**c) International**

NIL

**26. Student profile programme/course wise:**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Chemical Engg 2013-14 FE		56	38	12	71.62 %
Chemical Engg 2013-14 DSE		18	09	09	
Chemical Engg 2014-15 FE		51	40	11	66.21 %
Chemical Engg 2014-15 DSE		26	21	05	
Chemical Engg 2015-16 FE		49	37	12	77.5 %
Chemical Engg 2015-16 DSE		28	22	06	
Chemical Engg 2016-17 FE		41	30	11	----
Chemical Engg 2016-17 DSE		24	19	05	

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Chemical Engg 2013-14 FE	96.5	3.5	0
Chemical Engg 2013-14 DSE		0	0
Chemical Engg 2014-15 FE	100	0	0
Chemical Engg 2014-15 DSE		0	0
Chemical Engg 2015-16 FE	82	18	0
Chemical Engg 2015-16 DSE		0	0
Chemical Engg 2016-17 FE	100	0	0
Chemical Engg 2016-17 DSE		0	0



**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

**29. Student progression**

**Student progression 2013-14**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	20.51%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b> - Campus selection - Other than campus	8.9 % Students by Campus selection.
Entrepreneurship/Self-employment	1.28%

**Student progression 2014-15**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	11.42%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b> - Campus selection - Other than campus recruitment	11.25% Students by Campus selection
Entrepreneurship/Self-employment	1.25%



---

### Student progression 2015-16

Student progression	Against % enrolled
UG to PG	6.75%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b> - Campus selection - Other than campus recruitment	9.45% Students by Campus selection. 5.40% Students by off campus selection.
Entrepreneurship/Self-employment	1.35%

### 30. Details of Infrastructural facilities

Sr. No.	Infrastructural facility	Details	Number
1	Library	No. of Titles	19211
		No of Books	42094
		Journals, Magazines & Periodicals	195
		e-Journals	ASCE, ASME, IEEE, McGraw-Hill
		CDs	2100
	Deparment Library	Books	50
		Others	15
		Total	65



2	Internet facility for staff and students	Computer	30
		Computer with internet facility	28
		Switch	1
		Bandwidth	48 mbps
3	Classrooms with ICT facility	Classrooms	3
		Tutorial rooms	2
		Seminar Room	1
4	Laboratories	Chemical Engineering Labs	9
		Computer Labs	1
		Total	10
5	Major equipments	Chemical Engg. laboratories	55

**31. Number of students receiving financial assistance from college, university, government or other agencies**

	A.Y. 2013-14	A.Y. 2014-15	A.Y. 2015-16	A.Y. 2016-17
SC	27	32	30	--
	2,172,761.00	2,674,767.00	2,717,120.00	--
ST	0	0	1	--
	0	0	98,825.00	--
OBC	17	21	26	--
	645,164.00	885,996.00	1,219,596.00	--
VJNT	22	12	18	--
	1,670,104.00	976,662.00	1,531,771.00	--
SBC	6	6	7	--
	436,305.00	453,239.00	640,723.00	--
EBC	15	13	23	--
	--	--	--	--
MINORITY	1	4	7	--
	25000.00	100000.00	175000.00	--



<b>TATA</b>	7	5	0	--
	--	--	--	--
<b>COLLEGE</b>	2	2	2	--
	7000.00	7000.00	7000.00	--
<b>OTHER</b>	27	--	--	--
	--	--	--	--

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

Sr. No.	Event	Date	Recourse person	No Participant
1	Advances in Piping Engineering	04 <sup>th</sup> 05 <sup>th</sup> February 2016	i. Mr. Kiran G Purandare- Energy Consultant ii. Mr. Milind Natkar- Manager iii. Mr Abhijeet Salunkhe- Head Piping Division	48
2	Industry Institution Interaction and what after engineering	19 <sup>th</sup> August 2016	Dr. Kausubh S Majumdar Deputy Manager, Toyo Technology pvt Ltd	143
3	Scope and upcoming trends of Chemical Engineering	8 <sup>th</sup> Oct 2015	Mr. Sridhar Chitanvis, Sr. GM Aker Solutions	112
4	Challenges for Chemical	May 6-11, 2013	1. K. Sahastramanan 2. Nandkishore Nere	25



Engineering Faculty to Meet the Needs of Industries” (CCEFI -13)		3. Dr. Archis Yawalkar 4. Dr. Kulkarni 5. Prof. K.V. Venkatesh 6. Dr. R. Ghadge 7. Dr. V. Ramesh 8. Dr. Parag Gogte 9. Dr. Gharpure 10. Mr. Mokashi 11. Dr. Archis Yawalkar 12. Dr. K.S. Deshmukh	
------------------------------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

**33. Teaching methods adopted to improve student learning**

***To improve classroom learning, department has applied following practices***

- Department Library Facility is available.
- Industrial Visits are conducted.
- Teachers are allotted subject as per their choice and specialization
- Teachers are asked to prepare semester-long teaching plan and course file before the start of the semester.
- Each teacher is asked to prepare soft copies of their notes and PowerPoint presentations for the course content.
- To simplify Teaching Learning process teaching aids are provided for conducting lectures.
- Lab experiments and homework in the form of assignments is given to students

***Project Based and Active Learning***

- Students are motivated to work on of ongoing research projects.
- Project exhibition and various technical festivals provide an opportunity for active learning.
- Expert talks and Industry expert Seminars are arranged to bridge the knowledge gap of the students.

***Assessment Method***



- Feedback analysis is conducted from Students for Staff Improvement.
- Direct assessment of the course was done by alumni, industry and experts from professional bodies.
- Various tests (Unit test and Prelim, Online, etc.) are used for assessment.
- Industry experts are included during the revision of the course at university level.
- Feedback from alumni and final year student are taken into account during the revision of the PEO's at the institute.
- Indirect assessment is done through campus interviews and performance of students in competitive exams like GATE, GRE, and CAT, etc.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

Tree Plantation

Blood Donation

**35. SWOC analysis of the department and Future plans**

***Strengths***

- Well qualified experienced and dedicated faculty.
- All the faculties are either completed or pursuing PhD.
- The publication of the faculty of Department is good.
- Well-equipped laboratory facility.
- Air-conditioned seminar Halls, fully equipped with state-of-the-art audio-Visual devices.
- High success rate
- High speed internet facility for students & staff
- Well-furnished class room

***Weaknesses***

- Professional skills needs to be further improved among students
- Lack of international student attraction
- Inadequate consultancy activities



***Opportunities***

- Leader in providing quality engineering education clubbed with placements
- Industry oriented training
- Becoming a leader in interdisciplinary and integrated learning
- An opportunity to interact with eminent personalities
- Interdisciplinary approach in research & industrial training
- Good opportunity for community projects

***Challenges:***

- Induction and retention of faculty
- Lesser Placement opportunities due to recession faced by the mechanical industries
- Fee restriction by the state government

***Future plans:***

- Enhancement in Research Activities
- Enhancing industry Institute interaction for projects by students and faculty
- Industrial training for faculty
- Patent enrollments etc

**Departments of Information Technology**

1. Name of the department:- Information Technology
2. Year of Establishment:- 2001-02
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

<b>Names of Programs</b>	<b>Year of establishment</b>
BE Information Technology (Intake 60)	2001-02
BE Information Technology (Intake 60) (Direct 2 <sup>nd</sup> Year)	2011-12

**4. Names of Interdisciplinary courses and the departments/units involved**

S.NO.	<b>Interdisciplinary courses</b>	<b>Department involved</b>	<b>SUBJECT</b>
1	M-III, M-IV	Humanities & Sciences	1.APPLIED MATHS III 2 .APPLIED MATHS III 3.APPLIED MATHS IV 4.APPLIED MATHS IV
2	BUSINESS ETHICS & COMMUNICATION	Humanities & Sciences	1.APPLIED MATHS III 2.BUSINESS ETHICS & COMMUNICATION



**5. Annual/ semester/choice based credit system (programme wise) –**

S. N.	Programme	Evaluation System
1	Bachelor of Engineering (B.E.)	i) For FE Choice Based Credit Grading System (CBCGS) from academic year 2016-17.  Examinations conducted semester wise.  ii) For SE/TE/BE Credit Based Semester Grading System (CBSGS) from academic year 2012-13.  Examinations conducted semester wise.

**6. Participation of the department in the courses offered by other departments**

Sr. No.	Courses	Offered to Department
1	Structured Programming Applications	F.E.

**7. Courses in collaboration with other universities, industries, foreign institutions, etc. – Nil**

**8. Details of courses/programmes discontinued (if any) with reasons - Nil**

**9. Number of Teaching posts**

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc ./D.Litt. /Ph.D. / M. Phil. etc.,)**

**2013-14**

Sr no	Name	Designation	Qualification	Specialization
1	Dr. Devane Satish Ramrao	Professor & HOD	Ph.D.	I.T
2	Khaire Nishikant Ramrao	Asst. Professor	M.E.	Elex. & Control
3	Bobade Sunil Devidas	Asst. Professor	M.E.	Electronics



**DATTA MEGHE COLLEGE OF ENGINEERING**  
**AIROLI, NAVI MUMBAI**

**NAAC SSR**

4	Kolhe Sujata Rajesh	Asst. Professor	M.E	Computer
5	Jawale Shila Sumol	Asst. Professor	M.E.	Computer
6	Thakur Neha Rupesh	Asst. Professor	M.E.	Electronics
7	Nehete Seema Prashant	Asst. Professor	M.E.	Computer
8	Billewar Satish Rupraoji	Asst. Professor	B.E. Comp. Sci. &	Comp. Sci. & Engg
9	Kubde Vidya Sachin	Asst. Professor	B.E.	Elex. & Telecom
10	Ghane Sunil Bahiru	Asst. Professor	B.E.	I.T
11	Narvane Swati Vaibhav	Asst. Professor	M.E.	Computer
12	Patil Nilima Nilesh	Lecturer	B.E.	Computer
13	Jolhe Rashmi Ankush	Lecturer	B. E.	Comp. Sci.
14	Priya Chandapillai	Lecturer	B.E.	I.T
15	Biradar Deepali Tatyarao	Lecturer	B.E.	Computer
16	Panchal Bijal Chandubhai	Lecturer	B.E.	Computer
17	Yadav Vinay Jaiprakash	Lecturer	B.E.	Computer
18	Kulkarni Shruti Sangmesh	Lecturer	B. E.	comp. sci.
19	Ahirrao Kirti Bhikaji	Lecturer	B.E.	Computer
20	Jangale Rashmi Dipchand	Lecturer	B.E.	Computer
21	Bhone Aparna Prashant	Lecturer	B.E.	I.T
22	Bartakke Dipti Abhishek	Lecturer	B.E.	Computer
23	Bakhtiani Shalu Mahesh	Lecturer	B.E.	Computer
24	Rao Vinita Vijay	Lecturer	B.E.	I.T
25	Tupe Seema Dasharath	Lecturer	B.E.	I.T



26	Mrs. Thomas Elizabeth	Asst. Professor	M.sc	Applied Chemistry
27	Mrs. Kanungo Prachi	Lecturer	P.hd	English literature
28	Mr. Padale S.	Lecturer	B.E.	Electronics

**2014-15**

Sr no	Name	Qualification	Designation	Specialization
1	Dr. Devane Satish Ramrao	Ph.D.	Professor & HOD	I.T
2	Khaire Nishikant Ramrao	M.E	Asst. Professor	Elex. & Control
3	Bobade Sunil Devidas	M.E.	Asst. Professor	Electronics
4	Kolhe Sujata Rajesh	M.E.	Asst. Professor	Computer
5	Jawale Shila Sumol	M.E.	Asst. Professor	Computer
6	Thakur Neha Rupesh	M.E.	Asst. Professor	Electronics
7	Nehete Seema Prashant	M.E.	Asst. Professor	Computer
8	Billewar Satish Rupraoji	B.E.	Asst. Professor	Comp. Sci. & Engg
9	Kubde Vidya Sachin	M.E.	Asst. Professor	Computer
10	Ghane Sunil Bahiru	B.E.	Asst. Professor	I.T
11	Narvane Swati Vaibhav	M.E.	Asst. Professor	Computer
12	Mhatre Anita Dayanand	M.E.	Asst. Professor	Computer
13	Arwindekar Geeta Meghdoot	M.E	Asst. Professor	Computer
14	Yenkar Pranali Piyush	M.E.	Asst. Professor	Computer
15	Patil Nilima Nilesh	B.E.	Lecturer	Computer



16	Jolhe Rashmi Ankush	B. E.	Lecturer	Comp. sci.
17	Panchal Bijal Chandubhai	B.E.	Lecturer	Computer
18	Patil Deepali Kishor	M.E.	Lecturer	Computer
19	Priya Chandapillai	B.E.	Lecturer	I.T
20	Yadav Vinay Jaiprakash	B.E.	Lecturer	Computer
21	Jangale Rashmi Dipchand	B.E.	Lecturer	Computer
22	Bhone Aparna Prashant	B.E.	Lecturer	I.T
23	Rao Vinita Vijay	B.E.	Lecturer	I.T
24	Baig Naziya Iiyas	M. E.	Lecturer	Computer
25	Deshmukh Jeevan Jayprakash	B.E.	Lecturer	I.T
26	Mrs. Thomas Elizabeth	M.sc	Asst. Professor	Applied Chemistry
27	Mrs. Kanungo Prachi	P.hd	Lecturer	English literature
28	Mrs. Shirwadkar M.C	M.Tech	Lecturer	Electronics

**2015-16**

Sr no	Name	Qualification	Designation	Specialization
1	Dr. Devane Satish Ramrao	Ph.D.	Professor & HOD	I.T
2	Khaire Nishikant Ramrao	M.E.	Asst. Professor	Elex. & Control
3	Kolhe Sujata Rajesh	M.E.	Asst. Professor	Computer
4	Jawale Shila Sumol	M.E.	Asst. Professor	Computer
5	Thakur Neha Rupesh	M.E.	Asst. Professor	Electronics



6	Nehete Seema Prashant	M.E.	Asst. Professor	Computer
7	Billewar Satish Rupraoji	B.E.	Asst. Professor	Comp. Sci. & Engg
8	Kubde Vidya Sachin	M.E.	Asst. Professor	Computer
9	Ghane Sunil Bahiru	M.E.	Asst. Professor	Computer
10	Narvane Swati Vaibhav	M.E.	Asst. Professor	Computer
11	Mhatre Anita Dayanand	M.E.	Asst. Professor	Computer
12	Arwindekar Geeta Meghdoot	M.E.	Asst. Professor	Computer
13	Yenkar Pranali Piyush	M.E.	Asst. Professor	Computer
14	Gaidhane jagat R.	M.E.	Asst. Professor	Electronics
15	Jolhe Rashmi Ankush	M. E.	Asst. Professor	Computer
16	Panchal Bijal Chandubhai	B.E.	Asst. Professor	Computer
17	Bhone Aparna Prashant	M.E	Asst. Professor	I.T
18	Patil Bhagyashri Dilip	M.E.	Asst. Professor	Computer
19	Anchal Rani	M.Tech.	Lecturer	I.T
20	Deshmukh Jeevan Jayprakash	B.E.	Lecturer	I.T
21	Priya Chandapillai	B.E.	Lecturer	I.T
22	Baig Naziya Iiyas	M. E.	Lecturer	I.T
23	Gondal Sheetal Avinash	M.E	Lecturer	Computer
24	Kshirsagar Aniruddha Shrikant	M.Tech.	Lecturer	Computer
25	Shende Priyanka Sunil	M.E.	Lecturer	Computer

---



26	Mrs. Thomas Elizabeth	M.sc	Asst. Professor	Applied Chemistry
27	Mrs. Bhise Swati	M.sc	Asst. Professor	English literature
28	Mrs. Dhande B.P	M.E	Asst. Professor	EXTC

**2016-17**

Sr no	Name	Qualification	Designation	Specialization
1	Dr. Devane Satish Ramrao	Ph.D.	Professor & HOD	I.T
2	Khaire Nishikant Ramrao	M.E	Asst. Professor	Elex. & Control
3	Kolhe Sujata Rajesh	M.E	Asst. Professor	Computer
4	Jawale Shila Sumol	M.E	Asst. Professor	Computer
5	Thakur Neha Rupesh	M.E	Asst. Professor	Electronics
6	Nehete Seema Prashant	M.E	Asst. Professor	Computer
7	Kubde Vidya Sachin	M.E	Asst. Professor	Computer
8	Narvane Swati Vaibhav	M.E	Asst. Professor	Computer
9	Mhatre Anita Dayanand	M.E	Asst. Professor	Computer
10	Arwindekar Geeta Meghdoot	M.E	Asst. Professor	Computer
11	Yenkar Pranali Piyush	M.E	Asst. Professor	Computer
12	Gaidhane jagat R.	M.E	Asst. Professor	Electronics
13	Jolhe Rashmi Ankush	M.E	Asst. Professor	Computer
14	Bhonde Aparna Prashant	M.E	Asst. Professor	I.T
15	Dhuliya Priyanka Anshuman	M.E	Asst. Professor	Computer



16	Kadam Deepali	M.E	Asst. Professor	Computer
17	Shraddha Bagwe	M.E	Asst. Professor	Computer
18	Smita Kharade	M.E	Asst. Professor	Computer
19	Mrs. P. M. Sapate	M.E	Asst. Professor	Computer
20	Urmila Darekar	M.E	Asst. Professor	Computer
21	Santosh Rathod	M.E	Asst. Professor	Computer
22	Silpa Thomas	M.E	Asst. Professor	Computer
23	Indu Joseph	M.E	Asst. Professor	Computer
24	Mrs. M. C. Toley	M.E	Asst. Professor	Computer
25	Mrs. Thomas Elizabeth	M.sc	Asst. Professor	Applied Chemistry
26	Mrs. Bhise Swati	M.sc	Asst. Professor	English literature
27	Mrs. Bawiskar B.P	M.E	Asst. Professor	EXTC
28	Mr. Bute Jayesh V.	M.E	Asst. Professor	Mechanical

**11. List of senior visiting faculty - Nil****12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

Program	BE			
Specialization	INFORMATION TECHNOLOGY			
Year	2016-17	2015-16	2014-15	2013-14
Faculty Type	%	%	%	%
Adhoc	42.74	37.47	55.74	41.84

**13. Student -Teacher Ratio (programme wise)**

S. N.	Program	Specialization	Teacher – Student Ratio					<b>TOTAL</b>
				16-17	15-16	14-15	13-14	
<b>1</b>	<b>B E</b>	<b>Information Technology</b>	<b>No of Faculties</b>	28	28	28	28	<b>16.28</b>
			<b>T-S Ratio</b>	16.28	16.28	16.28	16.28	

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Year	SUPPORTING STAFF		<b>TOTAL</b>
	Technical	Attendant	
<b>16-17</b>	6	3	<b>9</b>
<b>15-16</b>	3	3	<b>6</b>
<b>14-15</b>	3	1	<b>4</b>
<b>13-14</b>	2	1	<b>3</b>
<b>TOTAL</b>	<b>14</b>	<b>8</b>	<b>22</b>

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Year	PhD Completed	M.E./M. Tech Completed	B.E.	<b>TOTAL</b>
<b>2016-17</b>	1	27	0	28
<b>2015-16</b>	1	26	1	28
<b>2014-15</b>	1	18	9	28
<b>2013-14</b>	1	9	18	28



**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - 01**

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received - Nil**

**18. Research Centre /facility recognized by the University - Nil**

**19. Paper Publications:**

Sr. No	Name of the Faculty	National		International	
		Conference	Journals	Conference	Journals
1	Dr. Devane Satish Ramrao	4	2	4	4
2	Sujata Kolhe	nil	nil	2	1
3	Rashmi Jolhe	1	nil	nil	nil
4	Aparna Bhonde	nil	2	nil	nil
5	Priyanka Dhuliya	2	nil	3	2
6	Deepali Kadam	1	nil	nil	3
7	Shraddha Bagwe	nil	nil	2	2
8	Smita Kharade	nil	nil	1	1
9	Urmila Darekar	nil	nil	1	1
10	Santosh Rathod	nil	nil	2	nil
11	Silpa Thomas	nil	nil	nil	1
12	Indu Joseph	nil	nil	nil	3

---



13	Pallavi Sapate	1	nil	nil	1
14	Minal Toley	nil	nil	nil	3

**20. Areas of consultancy and income generated - Nil****21. Faculty as members in****a) National committees**

Sr. No.	Name of Faculty	Committee	Designation
1	Dr.Satish R. Devane	IETE	Life Member
		CSI	Life Member
		IEEE	Life Member
		Indian Society for Technical Education (ISTE)	Life Member
2	Mr.Nishikant R. Khaire	Indian Society for Technical Education (ISTE)	Life Member
3	Mrs.Sujata R. Kolhe	Indian Society for Technical Education (ISTE)	Life Member
4	Mrs.Shila S. jawale	Indian Society for Technical Education (ISTE)	Life Member
5	Mrs.Seema P. Nehete	Indian Society for Technical Education (ISTE)	Life Member
6	Mrs Vidya S. Kubde	Indian Society for Technical Education (ISTE)	Life Member
7	Mrs.Neha R. Thakur	Indian Society for Technical Education (ISTE)	Life Member



8	Mr. J.R. Gayadhane	Indian Society for Technical Education (ISTE)	Life Member
9	Mrs.Aparna P. Bhonde	Indian Society for Technical Education (ISTE)	Life Member
10	Mrs Pallavi Sapate	Indian Society for Technical Education (ISTE)	Life Member

b) International Committees Nil

c) Editorial Boards Nil

## 22. Student projects

Percentage of students who have done in-house projects including inter departmental/programme and projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

Year	No. of In house Projects	Percentage of in-house projects	No. of Projects in collaboration	Percentage of projects in collaboration
2016-17	40	100 %	00	00%
2015-16	32	99 %	01	01%
2014-15	35	100 %	00	00 %
2013-14	34	100 %	00	01 %

**24. a) Awards/ Recognitions received by faculty:**

<b>iii) Academic Awards</b>			
<b>S. N.</b>	<b>Name of the Faculty</b>	<b>Year</b>	<b>Award</b>
<b>Year 2014-15</b>			
01.	Mrs. S. R.Kolhe	Sept 2014	Research Grant for the year 2 014-15 from Mumbai University.

**c) Awards/Recognitions Received by Students:**

<b>i) Academic Achievements:</b>				
<b>S.N.</b>	<b>Name of the Student</b>	<b>Year</b>	<b>Award</b>	<b>Awardees/Organization</b>
01	Poonam Parab	2014-15	University Rank 5 <sup>th</sup>	University of Mumbai

<b>ii) Co-curricular Achievements:</b>				
<b>S. N.</b>	<b>Name of the Student</b>	<b>Year</b>	<b>Award</b>	<b>Awardees/Organization</b>
1	Shrinivas Ingale	3-Nov-14	National skill Qualification Framework Level 3 -Issued by AEGIS Knowledge Trust ( National skill Development Corporation)	Dr. D. Y. Patil, Polytechnique, Nerul
2	Divya Iyer	31-Oct-16	Mastek Deep Blue Project Competition	Mastek Mahape, Navi Mumbai



3	Kazi Tanveen Mohd. Hanif	14,15Oct 2016	A Seminar on " Digital Marketing"	Regenesys Business School, India
4	Panchal Priti	2016	2-Day workshop on Digital Marketing (Presented by Regenesys Business School)	Mumbai
		14 th Jan 2017	The Leadership orientatititon Program	Thane
5	Pandey Gaurav	Nov-15	TELN 6300 Installation of SDH & DWDM(Vidyalankar Polytechnic and Tejas Telecom Labs	Wadala ,Mumbai
6	Parvathy Ramesh	22nd Jan 2016	Top FinalTeam of Project Deep Blue-A Mastek Initiatve Season 2	Mastek,Mahape,Navi Mumbai
7	Patil Pallavi	10th Dec 2016	Internshala Onlice Workshop on Internship Preparation	Internshala.com
8	Pote Snehal	3rd Oct 2015	INNOVISION 2K15 Art Quizzer	RAIT ,Nerul,Navi Mumbai
9	Said Pranjal	10th Dec 2016	Internshala Onlice Workshop on Internship Preparation	Internshala.com
10	Sarode Namrata	10th Dec 2016	Internshala Onlice Workshop on Internship Preparation	Internshala.com
11	Shaikh Muzammil Kabiruddin	2014	Workshop on Network Implementation and Security	G.V Acharya Polytechnic, Shelu



		2013	Project Exhibition in Network Management and Administration	G.V Acharya Polytechnic, Shelu
12	Marathe Atul Gulab	2014	1 <sup>st</sup> rank in Regional Level Project Competition	D.Y Patil Engineering College, Nerul
		2014	National Level Project Competition	L.T College of Engineering, Navi Mumbai
13	Nikam Vikram Anandrao	2013	Nirman Techfest 2013	Revera Institute of Technology, Kharghar
14	Pandey Manish Kumar Satyadev	2016	3 <sup>rd</sup> rank Quizzo Mania	Nerul
		2016	2 <sup>nd</sup> rank in Mud Island	Nerul
15	Patil Pradnya Dilip	2015	Network Management Administration	Shelu
16	Vishwakarma Ramu Mukesh	2015	1 <sup>st</sup> rank in Tech War	RAIT, Nerul
17	Bandekar Sanket Umesh		Deep Blue Project	Mastek, Mahape
18	Amrutkar Vivek Sanjiv		Project DEEP BLUE	Mastek, Mahape
19	Dambre Mugdha Kishor		certificate for "i3 Mumbai" (Influence,Inspire,Impact)	Inspairation Unlimited
20	Shweta Shinde	13/03/14	Hardware & Networking Exhibition	V.P.M.'s Polytechnic
21	Dhananjay Shirke	30/11/15	SAP Training Program	Bordi (Dhanu)
22	Ajay Sonawane	26/03/14	National Network Security	IIT Delhi & Networks Bulls



23	Pashmini Sonawane	14/10/15	Maha IT Genius	Ambernath
		15/05/15	Popup Technologies	Thane
24	Sanket Wagh	15/02/15	National level project exhibition	Vasai
		11/1/2015	SAP Training Program	Bhandup
		27/1/14	Power your future Aptitude test	Bhandup
25	Hiral N. Thakkar	22/2/2016	Java Application Developer course	
26	Nida Anwar Shaikh	y2014	Basic Task of NEC	IITB
27	Jui Vinayak Shirvalkar		NEC Task	IITB
28	Mohan Birendra Singh		NEC Task	IITB
29	Bhadange Priyanka R.	2016	Mastek Deepblue Technical Project	Mastek organisation,Ghansoli
30	Chonkar Hardika V.	14.1.2016	Aptitude Quiz program	Prognoz Technologies pvt ltd
		2016	Mastek Deepblue Technical Project	Mastek organisation,Ghansoli
		24.1.2016	star achiever in Influence,Inspire,Impact season2	Inspiration Unlimited conferences
31	Deodhar Laxmi V	12.3.2015	Project competition	Terana Engg. College,Nerul
		14.3.2015	Project competition	D.Y.Patil-RAIT
32	Gangurde Anuj K.	2016	Mastek Deepblue Technical Project	Mastek organisation,Ghansoli



33	Jadhav Namita C	12.3.2015	Project competition	Terana Engg. College,Nerul
34	Jain Dimple D	12.3.2016	Technical paper Presentation-IOT	Datta Meghe College of Engineering,Airoli
		8.3.2016	Technical paper Presentation	Terana Engg. College,Nerul
		14.9.2015	Technical paper Presentation-BDA	SIES college ,Nerul
		23.9.2016	Techchallenge 3.0	online
		2.6.16-2.7.16	Internship	Webconvix,Ghatkopar
		19.1.15	web technologist-I	Suven Consultants,Chembur
35	Joshi Harin U.	7.9.2013	National level Tech fest ELAN13	Thadomal sahani,Bandra
36	Khatavkar Mugdha A	8.3.2016	Technical paper Presentation	Terana Engg. College,Nerul
		14.9.2015	Technical paper Presentation-BDA	SIES college ,Nerul
		13.3.2016	Technical paper presentation- NCATE2016	Datta Meghe College of Engineering,Airoli
		Dec-16	Offered to register as paid writer at STUPIDSID	STUPIDSID
37	Kumar Deepika Devendra	2016	Mastek Deepblue Technical Project	K.J.Somaiya,SION
		20.12.15-16.1.16	Internship	Think Mile Solutions-from home



38	Panchal Anmol Sureshkumar	8.6.2016-9.7.2016	Internship	INP computer technologies,Kandivali
39	Patil Mayuresh Chandrakant	2016	Mastek Deepblue Technical Project	Mastek organisation,Ghansoli
40	Sarika Mandavkar	260-6-2016	1 <sup>st</sup> Prize in District Level Essay Competition	Palghar
41	Vijaya Mane	9/30/2016	Technical Paper Presentation	DMCE,Airoli
42	Abhay Maurya	1/31/2015	State Level TPP	shah n anchor
		9/20/2014	National Linux Security Championship	shah n anchor
		7/7/2015	TECHNEXT -Powerbank making workshop	TSEC
		9/7/2013	ELAN-Ethical hacking workshop	TSEC
43	Kute Sunil Shivaji	28 & 29 jan 2014	network implementaion & security	Bhandup

**ii) Sports Achievements:**

Sr.No.	Name of Student	Year	Award	Awardees/Organization
1	Rucha V. Wankhede		2nd position in inter college football tournament	dmce
2	Preetish Limaye	May-15	Runner up in DSO Cricket Match	Thane



3	Shrinivas Ingale	13-14	Participated in the inter club invitation cricket tournament	S.P.Group cricket academy, Bengal Club. Dadar west
---	------------------	-------	--------------------------------------------------------------	----------------------------------------------------

**25. List of eminent academicians and scientists / visitors to the department**

Sr. No .	Academ ic Year	Name of Academician / scientist / visitor	Designatio n	Organizati on	Topic	Date of visit	No. of Days
1	2015-16	Prof.D.D.Ambav ade	Associate Professor	SPIT , Andheri	Network Security and Ethical Hacking	24 <sup>th</sup> to 26 <sup>th</sup> Sept 2015	03 days
2	2015-16	Mr. Mishara	Network Expert		Hands on Linux	14th,15t h,16th january 2016	03 days
3	2016-17	Sadhu Amrutvadandas	Saint	BAPS Swaminarayan Mandir, Dadar	Goals in Life	26 <sup>th</sup> Aug 2016	01 days

**26. Seminars/ Conferences/Workshops organized & the source of funding****a) Name & details of Seminar Conducted by the department:**



Sr. No.	Date	Seminar Topic	Designation of Expert / speaker	Source of funding	Fund received	No. of participants	National / International
1	12th August 2016	Goals in Life	BAPS Swami Narayan Sanstha	Self	Self	200	National

**b) Name & details of Workshop Conducted by the department:**

S. N.	Date	Topic of workshop	Designation of expert/Speaker	Source of funding	Fund received	No.of participants	National/International
1	24th,25th ,26th September 2015	Network Security and Ethical Hacking	Dr.Ambawade,S.P.C. E.,Andheri	Self	NA	55	National
2	14th,15th ,16th january	Hands-on-Linux	Mr.Mishra	Self	NA	60	National
3	5th to 10th july 2013	Programming Logic development using Java	Mrs.S.P.Nehete and Mrs.S.R.Kolhe	Self	NA	22	National



4	5th to 10th july 2013	Programming Logic development using Java	Mrs.Shila Jawale and Mrs.N.R.Thakur	Self	NA	20	National
5	5th to 10th july 2013	Programming Logic development using Java	Mrs.Shila Jawale and Mrs.N.R.Thakur	Self	NA	18	National
6	5th to 10th july 2013	Programming Logic development using Java	Mrs.Shila Jawale and Mrs.N.R.Thakur	Self	NA	14	National
7	14th May 2016	Hands on Latex	Mrs.Priyanka Dhuliya	Self	NA	50	National

c) Name & details of Training Programs Conducted by the department:

Sr. No.	Date	Topic of Training Program	Designation of Expert / speaker	Source of funding	Fund received	No. of participants	National / International
1	24th,25th,26th September 2015	PHP Programming	Mr.Dhananjay Pandit,Student of DMCE(Comp)	Self	Self	200	National
2	14th,15th,16th january 2016	PHP Programming	Mr.Dhananjay Pandit,Student of DMCE(Comp)	Self	Self	200	National

**d) Name & details of Expert Lectures Conducted by the department:**

S.N.	Name of Expert	Topic	Date
1	Mrs.Swathasiddha(DMCE)	Effective Communication Guidelines for Teachers	9th December 2016

**26. Student profile programme/course wise:**

Name of the Course	Application received		Selected	Enrolled				*Pass Percentages		
	FE	Direct Admission (2 <sup>nd</sup> Year)		FE		DSE		FE	Direct Admission (2 <sup>nd</sup> Year)	
				*M	*F	*M	*F			
2016-17	54	88	142	35	19	38	49	--	--	
2015-16	56	76	132	30	26	32	44	88	88	
2014-15	48	76	124	22	26	33	43	100	100	
2013-14	59	77	136	21	38	35	42	92	91	

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	Academic Year	No. of students from same state	% of students from the same state	No. of students from other states	% of students from other States
<b>Information Technology</b>	<b>2016-17</b>	142	100%	00	00
	<b>2015-16</b>	132	75%	01	25%
	<b>2014-15</b>	124	100%	00	00
	<b>2013-14</b>	136	100%	00	00

**28. Many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil**

**29. Student progression**

<b>Student progression</b>	<b>Against % enrolled 2015-16</b>		<b>Against % enrolled 2014-15</b>		<b>Against % enrolled 2013-14</b>		<b>Against % enrolled 2012-13</b>	
	<b>UG to PG</b>	<b>04/140 03.33</b>	<b>05/120 4.16</b>	<b>04/120 03.33</b>	<b>05/120 4.16</b>	<b>PG to Ph.D.</b>	<b>00 00</b>	<b>00 00</b>



<b>Employed</b>								
1) Campus selection	36/120	3.00	46/120	38.33	33/120	27.55	00/120	00
<b>Other than campus recruitment</b>	NIL		NIL		NIL		NIL	
<b>Entrepreneurship/Self employment</b>	01		NIL		NIL		NIL	

**30. Details of Infrastructural facilities**

Sr. No.	Infrastructural facility	Particulars	Number
01	Library	No. of Titles (Departmental titles / total titles available in library)	4174/17102
		No. of books (Departmental books / total books available in library)	9349/42144
		Journals, magazines & periodicals (Departmental magazines & periodicals / total magazines & periodicals available in library)	21/59(Journals) 8/17(Magazines)
		e-journals (Departmental e-journals / total e-journals available in library)	-



		CD's (Departmental CD's / total titles available in library)	2100
	Departmental library	Books	346
		Manuals	
		Others	
		Total	
2	Internet facility for the staff & student	Computers	206
		Computers with internet facility	206
		Band width	48 MBPS
3	Classrooms with ICT facility	Classrooms	-
		Tutorial rooms	-
		Seminar rooms	-
4	laboratories	Computer Labs	9+1 (H/W)
5	Major Equipments	Server	--
		UPS (Mention the specification)	--
		Switches	--



<b>ICT Class room Requirement :Smart board/LCD Display/OHP/ Interactive board and Internet Facility</b>					
Room Description	Usage	Shared/ Exclusive	Capacity	Area in Sq. Mtr.	Rooms Equipped with
<b>Classrooms:</b>					
Class Room No.A-709	Teaching Learning	Exclusive	80	99	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-705	Teaching Learning	Exclusive	80	99	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-809	Teaching Learning	Exclusive	80	99	Green Board, Podium, Fans, Tube Lights, Proper Ventilation
Class Room No.A-803	Teaching Learning	Exclusive	80	70	Green Board, Podium, Fans, Tube Lights, Proper Ventilation



S. N.	Name of Laboratory	Exclusive Use/ Shared	Utilization %	Laboratory Manuals	Area in Sq. Mtr.
1.	Database Lab	Exclusive Use	100	Y	70
2.	Datamining Lab	Exclusive Use	100	Y	70
3.	Hardware Lab	Share with Civil	100	Y	70
4.	Multimedia Lab	Exclusive Use	80	Y	70
5.	Network Lab	Exclusive Use	100	Y	70
6.	Programming Lab-1	Exclusive Use	100	Y	70
7.	Security Lab	Exclusive Use	80	Y	70
8.	Software Lab	Exclusive Use	100	Y	70
9	System Lab	Exclusive Use	100	Y	70
10.	Web Technology Lab	Exclusive Use	100	Y	70

**31. Number of students receiving financial assistance from college, university, government or other agencies**

Sr No	Year	College	University	Government	Others
1	2013-14	-----	----	235	2
2	2014-15	-----	1	243	3
3	2015-16	-----	----	255	0

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

Year	Activity	Date	Organizer	Resource Person
2015-16	Workshop on Python	1 <sup>st</sup> March 2016	GITS	Mr. Dhanjay Pandit
2015-16	Workshop on "Web Design"	15 <sup>th</sup> Sept 2015	GITS	Anmol Panchal, Siddhesh Padekar

**33. Teaching methods adopted to improve student learning**

The senior faculty members guide the other faculty members of the subject in understanding the fundamentals.

As a part of classroom teaching various methods are adapted to improve the learning process. Following list mentions these methods.

- Use of audio, visual aids for class room teaching.
- Adoption of NPTEL courses as a reference material for class room teaching.
- Arranging guest lectures of experts from industry and other academic institutes.
- Workshops for students to provide exposure to new technology as well as enhance their programming skills.
- PPTs, assignments and question bank are given to students based on each unit.
- Industrial trainings and internships are organized to bridge the gap between curriculum and industry needs.
- Motivating students to participate in co-curricular, extra-curricular activities, wall magazine etc.



34. Participation in Institutional Social Responsibility (ISR) and Extension activities
35. SWOC analysis of the department and Future plans

**Strengths:**

- Academic and administrative processes as per ISO 9001:2008
- ----- University Rankers in last 4 years
- Good faculty retention
- Faculties of department are involved in curriculum design, development and implementation of affiliating university
- Good Campus Placement
- Infosys Campus Connect Program

**Weakness:**

- Less number of quality research publications and projects
- Low consultancy
- Less number of Ph.D. qualified faculty

**Opportunity:**

- For strengthening the industry interaction due to presence of large number of IT industries in the vicinity
- Exploring involvement of Alumni in academic and placement activities.

**Challenges:**

- Inculcating logical reasoning to improve programming skill in students
- Off campus placements for students
- Declining intake quality
- Lack of communication skill in students due to their rural background

**Future plans:**

- Involving more faculties and students in research activities
- To strengthen the industry interaction through sponsored projects and internships
- To organize international conference in IT trends



**DATTA MEGHE COLLEGE OF ENGINEERING**

**AIROLI, NAVI MUMBAI**

**NAAC SSR**

---

## **4. PRESENTATION OF BEST PRACTICE**

**Title: Student Technical and Social Skill Enhancement Programs**

**Goal:** To enhance the confidence of students to face the interviews so as to improve employability of students by imparting additional skill sets from second year onwards

**The Context:** A class is divided into small groups and allotted them a teacher guardian. Teacher guardian takes at least two sessions of these students, discusses about the problems they are facing in the college, there by supporting students to eliminate the problems they are facing.

In these sessions group discussions and debates are carryout so as to reduce stage fear, mock interviews are taken to make them interview ready.

**The Practice:** In the second year group discussion and debates over live topics are taken to improve their communication and build confidence. In third year to develop technical skills mock tests based on subjects are taken. Final year students are asked to prepare seminars on different topics and are made to give presentation on the same. Mock interviews are carried by group of faculties to make students interview ready. Industrial visits are arranged to give them industrial exposure.

Also, the students have to undertake mini projects in their pre-final year and a final Year Project from their domain of studies. This gives them an opportunity to connect the theory with real time practical applications. Also the students have to go beyond their course study technically and practically while implementing the projects.

Also, the Institute encourages industry collaboration while designing and developing laboratories with latest technology like the collaboration with Gill Instruments, Bangalore in establishing the specialized Laboratories for Embedded Systems and Internet of Things (IOT) in the department of Electronics Engineering, which is currently in progress as on date.

**Evidence of the success:**

All the above practices have helped the students in updating the student know-hows technically and allow the students to remain abreast with the latest technology and applications in their field of study. The program has helped the students in motivating, improving confidence level and preparing the students for better employment during placement. The outcome of this practice has been judged from the current final year placement of students, which shows the significant improvement compared to previous years.

---

---



**Problems encountered and resources required:**

The only problem encountered for starting these practices was the motivation and convincing the faculty to undergo Soft-skill training and the mindset change required to adapt with the fast changing technology, approaching the Industries or corporates to contribute towards minimize the gap between the Industry expectations and Final Year Fresh student Passouts. The required resources are primarily computer laboratories which are sufficiently available in all the departments in addition to the specific Engineering Laboratory equipments.



---

### **Contact details**

Name of the principal: Dr. S. D. Sawarkar

Name of the institution: Datta Meghe College of Engineering, Airoli

City: Airoli, Navi Mumbai

Pin Code: 400708

Accredited Status: Applying

Work Phone: 022-27792854, 27791662, 27797130, 27793299

Fax: 022-27791665

Website: dmce.ac.in, dmce.edu

Email: [principal@dmce.ac.in](mailto:principal@dmce.ac.in)

Mobile: 9819768930

# **ANNEXURE**

**(Scanned Copies of University Affiliations & University Approvals)**



## DATTA MEGHE COLLEGE OF ENGINEERING

AIROLI, NAVI MUMBAI

NAAC SSR

D:/Reg.-17/roshan new shelar/ Engg ATR

University of Mumbai



URGENT/BY HAND

No.Aff-II/ICD/16-17/1387

Mumbai-400 032.

22 October, 2016.

To,  
✓ The Principal,  
Nagar Yuwak Shikshan Sansth,  
Datta Meghe College of Engineering  
Bldg., Plot No.98, Sector-3,  
Airoli, Navi Mumbai- 400 708.

Sir,

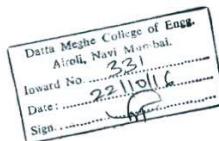
With reference to your application dated 29<sup>th</sup> August 2015 for granting continuation/extension of affiliation for teaching the course of the Engineering degree course for the academic year 2016-17, I am to inform you that the Academic Council at its meeting held on 23<sup>rd</sup> May, 2016 vide item No. 3.1 resolved as under.

"It is further resolved that, Hon'ble Vice – Chancellor be authorized to take appropriate decision on behalf of Academic Council in respect of such colleges those who have complied with the deficiencies as pointed out by AICTE/ LIC of University of Mumbai to the satisfaction of the University & also to comply with the directions / orders passed by the Hon'ble court".

In pursuance to the above resolution of the Academic Council, I am to inform you that your college be granted continuation of affiliation of the teaching courses (1) Civil Engineering (120) (2) Information Technology (60) (3) Computer Engineering (120) (4) Electronics Engineering (120) (5) Mechanical Engineering (60) (6) Chemical Engineering (60) and continuation & extension of affiliation (1) Civil Engineering (2nd Shift) (60) (2) Mechanical Engineering (DSY) (60) (3) Information Technology (DSY) (60) for the academic year 2016-17.

Further that aforesaid affiliation is granted subject to condition that the college authorities gives an undertaking in writing that they will fulfill the conditions mentioned in the report to the satisfaction of the Academic Council and payment of the requisite affiliation fees for the respective years. Also the concerned college will participate in the examinations related work and the teachers involve in the Central Assessment Scheme of the University in both halves of the examinations

A copy of the report of the Local Inquiry Committee is enclosed for your information & compliance, accordingly.



Encl.:As above  
21/10/16

Yours faithfully,

(Dr. M. A. Khan)  
REGISTRAR



**University of Mumbai**



**URGENT/BY HAND**  
 No.Aff/ICD/16-17/2470  
 Mumbai- 400 032.  
 24<sup>th</sup> March, 2017

To,

The Principal,  
 Nagar Yuwak Shikshan Sanstha's  
 Datta Meghe College of Engineering,  
 Plot No. 98, CIDCO, Sector-3,  
 Airoli,  
 Navi Mumbai- 400 708.

Sir,

With reference to your application for continuation of affiliation for teaching the courses of study for (1) M.E.- Civil Engineering, (2) M.E.- Computer Engineering, (3) M.E.- Mechanical Engineering and (4) M.E.- Electronics & Telecommunication Engineering degree courses for the academic year 2016-17, I am directed to inform you that the report of the local inquiry committee on your application had been placed before the Academic Council at its meeting held on 28<sup>th</sup> February, 2017 vide item No. 3.1, when the council resolved as under:-

**"It is resolved that, the reports of the Local Inquiry Committee be accepted and that in accordance therewith, Post Graduate Colleges/ Institutes Affiliated to University be granted Continuation/ Extension of Affiliation for the teaching of the various degree courses leading to the Examination of M.M.M., M.F.M., M.I.M., M.M.S., M.H.R.D.M., M. Arch, M. Pharm, M.E., M.C.A., M.Sc., M.Com. & M.A. Post Graduate Degree Courses of the Colleges/ Post Graduate Institutes as per the list annexed herewith for the academic year 2016-17 and previous years, if any."**

Further the aforesaid affiliation is granted subject to condition that the college authorities gives an undertaking in writing that they will fulfill the conditions mentioned in the report to the satisfaction of the Academic Council and payment of the requisite affiliation fees for the respective years. Also the concerned college will participate in the examinations related work and the teachers will involve in the Central Assessment Scheme of the University in both halves of the examinations."

In pursuance of the above resolution of the Academic Council, I am to inform you that, Nagar Yuwak Shikshan Sanstha's Datta Meghe College of Engineering, Plot No. 98, CIDCO, Sector-3, Airoli, Navi Mumbai- 400 708, has been granted continuation of affiliation for the teaching of the courses of study for (1) M.E.- Civil Engineering with intake of 18 students (2) M.E.- Computer Engineering with intake of 18 students (3) M.E.- Mechanical Engineering with intake of 18 students and (4) M.E.- Electronics & Telecommunication Engineering with intake of 18 students for a period of Two years from the academic year beginning from 2015-16 & 2016-17, subject to conditions mentioned in the report and also subject to the condition that the college authorities gives an undertaking in writing that they will fulfill the conditions mentioned in the report to the satisfaction of the Academic Council and payment of the requisite affiliation fees for the respective years. Also the concerned college will participate in the examinations related work and the teachers will involve in the Central Assessment Scheme of the University in both halves of the examinations.

A copy of the report of the local inquiry committee is enclosed herewith for your perusal.

Yours faithfully

(Dr. Jaydatt Jadhav)  
 Assistant Registrar  
 Affiliation

Encl: LIC Report



**University of Mumbai**



**URGENT/COURIER**

Th./ICD/2014-15/7435

Mumbai-400 032,

18 January, 2015.

18 March,

The Principal,  
Datta Meghe College of Engineering,  
Plot No-98, CIDCO Colony,  
Sectro-3, Airoli,  
Navi Mumbai - 400 708.

Sir,

This has reference to your proposal dated 28<sup>th</sup> August, 2013, for Continuation of Recognition to enroll the students for **Ph.D.(Technology)** degree in the branch of **Mechanical Engineering** from the year 2014-15.

In this connection, I write to inform you that the report of the Local Inquiry Committee for Continuation of Recognition to enroll students for the **Ph.D.(Technology)** degree in the branch of **Mechanical Engineering** placed before Board of University Teaching and Research (B.U.T.R.) in the Faculty of Technology at its meeting held on 19<sup>th</sup> September, 2014 vide item No. 19, when it was resolved as under:-

“Resolved that the report of the Local Inquiry Committee be accepted and permission be granted to **Datta Meghe College of Engineering, Plot No-98, CIDCO Colony, Sectro-3, Airoli, Navi Mumbai - 400 708**, for **Continuation of Recognition** of ten students for the **Ph.D.(Technology)** degree in the branch of **Mechanical Engineering** for the period of 5 years from the academic year 2014-15, subject to conditions to the satisfaction to the Academic Council :-

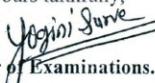
- a) The facility at the Institute/Center shall is made available to the other students of the University of Mumbai.
- b) The recognized teachers of the Institute /center shall contribute in Post-graduate teaching programme of the University examinations whenever required.”

The above recommendations have been accepted by the Academic Council at its meeting held on **23<sup>rd</sup> September, 2014** vide item No. 1.

In pursuance to the above resolution of the Board of University Teaching and Research (B.U.T.R.), I am to inform you that **Datta Meghe College of Engineering, Plot No-98, CIDCO Colony, Sectro-3, Airoli, Navi Mumbai - 400 708**, has been granted permission for Continuation of Recognition to enroll Ten (10)students for the **Ph.D.(Technology)** degree in the branch of **Mechanical Engineering**, for period of Five Years (5) ~~for~~ the academic year 2014-15.

Further, you are requested to pay the fees of Rs. 3 ,000,00/- (three lakhs only) towards the Continuation of Recognition for the academic year 2015-16 to 2018-19 , since, you have remitted short payment at the earlier and submit the proposal for continuation of recognition for the academic year 2019-20, with the prescribed fee to the University.

Yours faithfully,

  
 for Controller of Examinations.



**University of Mumbai**



**URGENT/COURIER**

Th./ICD/2014-15/7433

Mumbai-400 032,

18<sup>th</sup> March, 2015.

The Principal,  
Datta Meghe College of Engineering,  
Plot No-98, CIDCO Colony, Sector-3,  
Airoli,  
Navi Mumbai – 400 708.

Sir,

This has reference to your proposal dated 28<sup>th</sup> August, 2013, for Continuation of Recognition to enroll the students for **Ph.D.(Technology)** degree in the branch of **Civil Engineering** from the year 2014-15.

In this connection, I write to inform you that the report of the Local Inquiry Committee for Continuation of Recognition to enroll students for the **Ph.D.(Technology)** degree in the branch of **Civil Engineering** placed before Board of University Teaching and Research (B.U.T.R.) in the Faculty of Technology at its meeting held on 19<sup>th</sup> September, 2014 vide item No. 30, when it was resolved as under:-

“Resolved that the report of the Local Inquiry Committee be accepted and permission be granted in **Computer Engineering** to Datta Meghe College of Engineering, Plot No-98, CIDCO Colony, Sector-3, Airoli, Navi Mumbai – 400 708, for Continuation of Recognition to enroll 10 (Ten) for the **Ph.D.(Technology)** degree in the branch of **Civil Engineering** for a period of five years from the academic year 2014-15, subject to conditions to the satisfaction to the Academic Council :-

- a) The facility at the Institute/ Center shall be made available to the other students of the University of Mumbai.
- b) The recognized teacher of the Institute/Center shall contribute in post-graduate teaching programme of the University examination whenever required.”

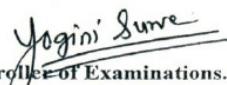
The above recommendations have been accepted by the Academic Council at its meeting held on 23<sup>rd</sup> September, 2014 vide item No 8.1.

In pursuance to the above resolution of the Board of University Teaching and Research (B.U.T.R.), I am to inform you that **Datta Meghe College of Engineering, Plot No-98, CIDCO Colony, Sector-3, Airoli, Navi Mumbai – 400 708** has been granted permission for Continuation of Recognition to enroll Ten (10) students for the **Ph.D.(Technology)** degree in the branch of **Civil Engineering**, for period of Five Years (5) for the academic year 2014-15.

Further, you are requested to pay the fees of Rs. 3 ,000,00/- (three lakhs only) towards the Continuation of Recognition for the academic year 2015-16 to 2018-19 , since, you have remitted short payment at the earlier and submit the proposal for continuation of recognition for the academic year 2019-20, with the prescribed fee to the University.

You are requested to submit the proposal for continuation of recognition for the academic year 2015-16, with the prescribed fee to the University

Yours faithfully,

  
 for Controller of Examinations.



**University of Mumbai**



**URGENT/COURIER**

Th./ICD/2014-15/7434,

Mumbai-400 032,

18<sup>th</sup> March, 2015.

The Principal,  
**Datta Meghe College of Engineering,**  
 Plot No-98, CIDCO Colony, Sector-3,  
 Airoli,  
Navi Mumbai – 400 708.

Sir,

This has reference to your proposal dated 28<sup>th</sup> August, 2013, for Continuation of Recognition to enroll the students for **Ph.D.(Technology)** degree in the branch of **Computer Engineering** from the year 2014-15.

In this connection, I write to inform you that the report of the Local Inquiry Committee for Continuation of Recognition to enroll students for the **Ph.D.(Technology)** degree in the branch of **Computer Engineering** placed before Board of University Teaching and Research (B.U.T.R.) in the Faculty of Technology at its meeting held on 19<sup>th</sup> September, 2014 vide item No. 28, when it was resolved as under:-

"Resolved that the report of the Local Inquiry Committee be accepted and permission be granted in **Computer Engineering** to **Datta Meghe College of Engineering**, Plot No-98, CIDCO Colony, Sector-3, Airoli, Navi Mumbai – 400 708, for **Continuation of Recognition to enroll 10 (Ten) students** and to increase the intake the intake capacity of 05 students for the **Ph.D.(Technology)** degree in the branch of **Computer Engineering** for a period of five years from the academic year 2014-15, subject to conditions to the satisfaction to the Academic Council :-

- a) The facility at the Institute/ Center hall be made available to the other students of the University of Mumbai.
- b) The recognized teacher of the Institute/Center shall contribute in postgraduate teaching programme of the University examination whenever required."

The above recommendations have been accepted by the Academic Council at its meeting held on 23<sup>rd</sup> September, 2014 vide item No 6.1.

○ In pursuance to the above resolution of the Board of University Teaching and Research (B.U.T.R.), I am to inform you that **Datta Meghe College of Engineering**, Plot No-98, CIDCO Colony, Sector-3, Airoli, Navi Mumbai – 400 708 has been granted permission for Continuation of Recognition to enroll Ten (10) and increase in intake of 05 students (10 + 5) for the **Ph.D.(Technology)** degree in the branch of **Computer Engineering**, for period of Five Years (5) for the academic year 2014-15:

Further, you are requested to pay the fees of Rs. 3 ,000,00/- (three lakhs only) towards the Continuation of Recognition for the academic year 2015-16 to 2018-19, since, you have remitted short payment at the earlier and submit the proposal for continuation of recognition for the academic year 2019-20, with the prescribed fee to the University.

You are requested to submit the proposal for continuation of recognition for the academic year 2015-16, with the prescribed fee to the University

Yours faithfully,

for Controller of Examinations.



All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandrakoot Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

F.No. Western/1-2866112231/2016/EOA

Date: 30-Apr-2016

To,

The Secretary,  
Tech & Higher Education Deptt.  
Govt. of Maharashtra, Mantralaya,  
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Western	Application Id	1-2866112231
Name of the Institute	DATTA MEGHE COLLEGE OF ENGINEERING	Permanent Id	1-11862950
Name of the Society/Trust	NAGAR YUWAK SHIKSHAN SANSTHA AIROLI, NAVI MUMBAI	Institute Address	PLOT NO 98 P.B.15,SECTOR3,CIDCO COLONY,AIROLI,NAVI MUMBAI, THANE, Maharashtra, 400708
Institute Type	Unaided - Private	Society/Trust Address	FIRST FLOOR, DATTA MEGHE COLLEGE OF ENGINEERING, PLOT NO. 98, SECTOR 3, AIROLI NAVI MUMBAI, THANE, Maharashtra, 400708

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2866112231			Course	Full/Part Time	Affiliating Body	Intake Approved for 2016-17	NRU Approval status	PIO / FN / Guif quota Approval status	Foreign Collaboration/Twining Program Approval status
Program	Shift	Level							
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CIVIL ENGINEERING	FULL TIME	Mumbai University, Mumbai	9	NA	No	N

Application Number: 1-2866112231  
Note: This is a Computer generated Report. No signature is required.

Printed By AE1733801

Page 1 of 4  
Letter Printed On 1 May 2016





# DATTA MEGHE COLLEGE OF ENGINEERING

AIROLI, NAVI MUMBAI

NAAC SSR



All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

ENGINEERIN G AND TECHNOLOGY	1st Shift	POS T GRA DUA TE	COMPUTER ENGINEERING	FULL TIME	Mumbai University, Mumbai	9	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	POS T GRA DUA TE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	FULL TIME	Mumbai University, Mumbai	9	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	POS T GRA DUA TE	MECHANICAL ENGINEERING	FULL TIME	Mumbai University, Mumbai	9	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UG 2nd Yr DIRE CT	INFORMATION TECHNOLOGY	FULL TIME	Mumbai University, Mumbai	30	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UG 2nd Yr DIRE CT	MECHANICAL ENGINEERING	FULL TIME	Mumbai University, Mumbai	30	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UND ER GRA DUA TE	CHEMICAL ENGINEERING	FULL TIME	Mumbai University, Mumbai	30	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UND ER GRA DUA TE	CIVIL ENGINEERING	FULL TIME	Mumbai University, Mumbai	60	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UND ER GRA DUA TE	COMPUTER ENGINEERING	FULL TIME	Mumbai University, Mumbai	60	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UND ER GRA DUA TE	ELECTRONICS ENGINEERING	FULL TIME	Mumbai University, Mumbai	60	NA	No	N
ENGINEERIN G AND TECHNOLOGY	1st Shift	UND ER GRA DUA TE	INFORMATION TECHNOLOGY	FULL TIME	Mumbai University, Mumbai	30	NA	No	N
	1st	UND	MECHANICAL	FULL	Mumbai	30	NA	No	N

Application Number: 1-2866112231

Note: This is a Computer generated Report. No signature is required.  
Printed By AE1733801

Page 2 of 4  
Letter Printed On: 1 May 2016





# DATTA MEGHE COLLEGE OF ENGINEERING

AIROLI, NAVI MUMBAI

NAAC SSR



All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

ENGINEERING AND TECHNOLOGY	Shift	ER GRADUATE	ENGINEERING	TIME	University, Mumbai				
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDERGRADUATE	CIVIL ENGINEERING	FULL TIME	Mumbai University, Mumbai	30	No	No	N

The above mentioned approval is subject to the condition that DATTA MEGHE COLLEGE OF ENGINEERING shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at [www.aicte-india.org](http://www.aicte-india.org).

Prof. Alok Prakash Mittal  
Member Secretary, AICTE

Copy to:

1. The Regional Officer,  
All India Council for Technical Education  
Industrial Assurance Building  
2nd Floor, Nariman Road  
Mumbai - 400 020, Maharashtra
2. The Director Of Technical Education,  
Maharashtra
3. The Registrar,  
Mumbai University, Mumbai
4. The Principal / Director,  
DATTA MEGHE COLLEGE OF ENGINEERING  
PLOT NO.98,P.B.15,SECTOR3,CIDCO COLONY,AIROLI,NAVI MUMBAI,400708,  
NAVI MUMBAI,THANE,  
Maharashtra,400708
5. The Secretary / Chairman,  
NAGAR YUWAK SHIKSHAN SANSTHA AIROLI, NAVI MUMBAI  
FIRST FLOOR, DATTA MEGHE COLLEGE OF ENGINEERING, PLOT NO. 98, SECTOR 3, AIROLI, NAVI MUMBAI,  
NAVI MUMBAI, THANE,  
Maharashtra,400708
6. Guard File(AICTE)

Application Number: 1-2866112231  
Note: This is a Computer generated Report.No signature is required.  
Printed By AE1733801

Page 3 of 4  
Letter Printed On: 1 May 2016





44\_wp\_5683\_2016.doc

IN THE HIGH COURT OF JUDICATURE AT BOMBAY  
CIVIL APPELLATE JURISDICTION  
WRIT PETITION NO.5683 OF 2016

Datta Meghe College of Engineering,  
through its Principal ...Petitioner

Versus

All India Council for Technical  
Education (AICTE) & Ors. ...Respondents

Mr. S.C. Naidu i/b. Mr. A.A. Dandekar for the Petitioner.  
Ms Meena Doshi for Respondent Nos.1 and 2.  
Mr. P.G. Sawant, A.G.P For Respondent Nos.3 and 4  
Mr. Rui Rodrigues for Respondent No.5.

CORAM: RANJIT MORE &  
SMT. ANUJA PRABHUESSAI, JJ.

DATE: 13<sup>th</sup> JUNE, 2016.

P.C. :-

Heard Mr. Naidu, the learned counsel for the Petitioner and  
Ms Doshi, the learned A.G.P for Respondent Nos.1 and 2. Arguable  
points are raised, therefore, we grant rule.

2. By the impugned order Respondent Nos.1 and 2 reduced  
the intake capacity of the Petitioner to 50%. The intake capacity was  
reduced on the ground that the Petitioner/Institution has not submitted  
the occupation certificate in respect of one of the buildings. Mr. Naidu,  
the learned counsel for the Petitioner/Institution pointed out the

Megha

1/3





**DATTA MEGHE COLLEGE OF ENGINEERING**  
**AIROLI, NAVI MUMBAI**

NAAC SSR

44\_wp\_5683\_2016.doc

relevant rules and regulations and submitted that there is no requirement of filing of occupation certificate in respect of existing institutions and this requirement is applicable to the institutions, which commenced the courses from 2016-2017. He also pointed out that said building is completed in the year 2010 in accordance with the approved plan. He submitted that the plan was submitted before the Respondent Nos.1 and 2 as per requirement. Mr. Naidu also submitted that he has already applied to CIDCO and NMMC for occupation certificate in the year 2011 and deposited an amount of Rs.72,84,385/- with the CIDCO as the charges for issuance of the occupation certificate and despite this the Petitioner /Institution is not granted the occupation certificate. He has also submitted that in this circumstances no fault can be found with the Petitioner/Institution. Mr. Naidu also made a statement that within one week he will file undertaking that he would obtain occupation certificate from concerned authorities within six months.

3. Ms Meena Doshi, the learned A.G.P for Respondent Nos.1 and 2 supported the impugned order. She submitted that it is the requirement of law that without occupation certificate no building can be approved and this requirement, though not mentioned in the

Megha

2/3





44\_wp\_5683\_2016.doc

concerned rules Petitioners are required to comply with same.

4. Having considered the fact that the Petitioner/Institution is existing since 1988 and since then the approval and the extension of approval granted to them by the Respondent Nos.1 and 2 on year to year basis coupled with the fact that Respondent Nos.1 and 2 did not find any deficiency in the proposal of the Petitioner/Institution and the application for occupation certificate is already submitted by the Petitioner and deposited an amount of Rs.72,84,385/-, we grant interim relief in terms of prayer clauses (c), (d) and (e) subject to Petitioner /Institution filing an undertaking in this Court within a week that it would obtain occupation certificate from concerned authorities within six months from the date of such undertaking. It is made clear that the interim order shall be subject to outcome of the petition. Respondent Nos. 4 and 5 shall pass consequential order.

(SMT. ANUJA PRABHUESSAI, J.)

(RANJIT MORE, J.)

Megha



3/3



Nagar Yuwak Shikshan Sanstha, Airoli's

**DATTA MEGHE COLLEGE OF ENGINEERING**

(Recognized by AICTE, DTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

ISO 9001:2008 Certified

Ref.:

Date :

**Declaration by the Head of the Institution**

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This is prepared by the institution after internal discussion, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit

Signature of the Head of the Institution  
**PRINCIPAL**  
DATTA MEGHE COLLEGE OF ENGINEERING  
SECTOR-3, AIROLI, NAVI MUMBAI-400708

Place: Airoli, Navi Mumbai.

Date: 31<sup>st</sup> March, 2017.





Nagar Yuwak Shikshan Sanstha, Airolí's

**DATTA MEGHE COLLEGE OF ENGINEERING**

(Recognized by AICTE, DTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

ISO 9001:2008 Certified

Ref.:

Date :

**Certificate of Compliance**

This is to certify that Datta Meghe College of Engineering, Airolí Navi Mumbai fulfills all norms.

1. Stipulate by the affiliating University.
2. Regulatory Council AICTE.
3. The affiliation recognition is valid as on date.

In case of the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or recognition by the regulatory council as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 31<sup>st</sup> March 2017.

Place: Airolí, Navi Mumbai.

Dr. Sudhir D. Sawarkar  
**PRINCIPAL**  
DATTA MEGHE COLLEGE OF ENGINEERING  
SECTOR-3, AIROLÍ, NAVI MUMBAI-400708

