



D Y PATIL GROUP

“Empowerment Through Quality Technical Education”

DR D Y PATIL SCHOOL OF ENGINEERING

LOHEGAON, PUNE

www.dypsoe.in

DIPLOMA | BE | ME

AI ML | AI DS | COMPUTER | CIVIL | E & TC IN ROBOTICS | MECHANICAL IN ROBOTICS



Vision

Empowerment Through Quality Technical Education.

Mission

To excel as a centre of excellence in technical education.
To impart skill based education to meet the needs of industry and society.
To achieve excellence in teaching, learning and research.
To inculcate social and ethical values among the students.

Outcome

To produce technocrats, leaders and entrepreneurs.

Institute Profile

Name	:	Dr. D Y Patil School of Engineering, Lohegaon, Pune
Approved by	:	AICTE, New Delhi & DTE, Maharashtra
Affiliated to	:	Savitribai Phule Pune University, Pune & MSBTE, Mumbai
Accredited by	:	NAAC & NABL
Established Year	:	2010
Complete Address	:	Dr. D Y Patil Group of Institutions-Technical Campus Dr. D Y Patil Knowledge City, Charholi (Bk.), Via Lohegaon, Pune - 412 105

Intake

Undergraduate Degree Courses

<u>Bachelor of Engineering</u>	<u>Seats</u>	<u>Duration</u>
Artificial Intelligence & Data Science	120	4 Years
Computer Engineering	120	4 Years
Civil Engineering (Infrastructure & Town Planning)	60	4 Years
Electronics & TeleCommunication in Robotics	60	4 Years
Mechanical Engineering in Robotics	60	4 Years

Post Graduate Degree Courses

<u>Master of Engineering</u>	<u>Seats</u>	<u>Duration</u>
Computer Engineering	24	2 Years
VLSI & Embedded system	24	2 Years
Mechanical Engineering (Design)	24	2 Years

Diploma Courses

<u>Engineering Diploma</u>	<u>Seats</u>	<u>Duration</u>
Artificial Intelligence & Machine Learning	60	3 Years
Computer Engineering	60	3 Years
Mechanical Engineering	60	3 Years

Contents

<u>Facilities</u>	<u>Page 5</u>
<u>Founder's Desk</u>	<u>Page 6</u>
<u>Chairman's Desk</u>	<u>Page 7</u>
<u>Director's Desk</u>	<u>Page 8</u>
<u>Principal's Desk</u>	<u>Page 9</u>
<u>Pedagogy</u>	<u>Page 10</u>
<u>Computer Engineering</u>	<u>Page 12</u>
<u>Civil Engineering (Infrastructure and Town Planning)</u>	<u>Page 18</u>
<u>Electronics & Telecommunications Engineering in Robotics</u>	<u>Page 23</u>
<u>Mechanical Engineering in Robotics</u>	<u>Page 28</u>
<u>Artificial Intelligence and Data Science Engineering</u>	<u>Page 35</u>
<u>Department of Engineering Science</u>	<u>Page 38</u>
<u>Diploma</u>	<u>Page 42</u>
<u>Internal Quality Assurance Cell (IQAC)</u>	<u>Page 46</u>
<u>Training and Placement</u>	<u>Page 48</u>
<u>Administrative Department</u>	<u>Page 54</u>
<u>Other Facilities</u>	<u>Page 55</u>
<u>Contact Us</u>	<u>Page 62</u>

Facilities



Library



Book Bank



Student Store



Cafeteria



ATM



Wi-Fi



Sports



First Aid

Dr D Y Patil School of Engineering (DYPSOE) is one of the most prestigious academic groups in the Pune City and state of Maharashtra which is Approved by AICTE and Affiliated to SP Pune University. DYPSOE was established in 2010 by the Chairman, Dr. Ajeenkya D Y Patil. The institute offers five UG Programs (B.E), three PG Programs (M.E) and three Diploma programs. We have a variety of facilities and teaching aids, which are significant and responsive for the teaching learning process. The classrooms and labs are equipped with the latest smart features. All departments have independent research labs to promote the research culture. The undergraduate teaching laboratories along with research centers at DYPSOE are well-equipped with state-of-the-art facilities, furnished with latest equipment, instruments and machinery that reinforce knowledge friendly culture. Conference facilities such as well-equipped, air-conditioned seminar halls and conference rooms help to organize workshops, lectures, conferences, that take place frequently within the campus. The campus has a well-furnished auditorium always cherished by the students, speakers and visitors etc.

120 Acres
Lush Green Campus

World Class
Auditorium

Air Conditioned
Seminar Hall

Rooftop
Solar
Grid Connected
Photovoltaic System

**Center of
Excellence**
For Artificial Intelligence
and Data Science
& Robotics and Automation

Natural
**Rain Water
Harvesting**
throughout the Campus



Dr D Y Patil

Founder, D Y Patil Group

Dr D Y Patil, a Padmashree recipient, and former Governor of the Indian States of Bihar, Tripura and West Bengal is the founder of the D Y Patil Group. In the realm of Education and Healthcare in the state of Maharashtra, one name stands out like a shining beacon, that of Padmashree Dr D Y Patil. His vision, dedication and passion have been indelibly influenced, by his wisdom and generosity and have left several benchmarks, be it in the schools for imparting basic education or institutes for higher learning. He has materialized his dreams under the umbrella of prestigious education institutes in Kolhapur, Navi Mumbai and Pune. Padmashree Dr D Y Patil was appointed the Governor of Bihar in 2009.

Chairman



Dr Ajeenkya D Y Patil

Chairman, D Y Patil Group

Dr Ajeenkya D Y Patil Has A Master's Degree From Richmond College, U.K. And Specialization In Marketing From The London School Of Economics. He Lives A Dream Of Turning The State Into A Centre Of World-Class Learning And Education.

D Y Patil Knowledge City, Pune And The D Y Patil International Schools Have Been Planned Under His Leadership. He Has Been Honoured With An Honorary Doctorate By The University Of Central Lancashire, United Kingdom.

He Is Also The Force Behind Providing International Linkages To The Various Institutions Of The Group.

Director



Prof. Hrridaysh Deshpande

Director, DYPTC
Vice Chancellor, ADYPU

Here at Dr D Y Patil School of Engineering (DYPSOE), Lohegaon Pune, we look forward to every opportunity to spread knowledge beyond our campus through the creativity and achievements of our staff and students. College has undertaken teaching in a wide breadth of subjects. It is the part of our philosophy that our research endeavors underpin the College's learning and teaching. DYPSOE transforms its students into technically competent, well communicative and application oriented lifelong learning engineers.

DYPSOE is not just a formal education but a place to grow as an individual, it promotes all round development of the students by means of cultural events, communication and personality development classes, extracurricular and sports activities, entrepreneurship development and various other activities. DYPSOE is committed to create a community of research scholars, students and faculty that reflects the diversity of the world we live in. The development of intellectual and practical pursuits is the core of education here.

Principal



Dr. F. B. Sayyad

Principal, DYPSOE

Experience : 21 years

Qualification : BE, ME, PhD, Post Doc (Malaysia)

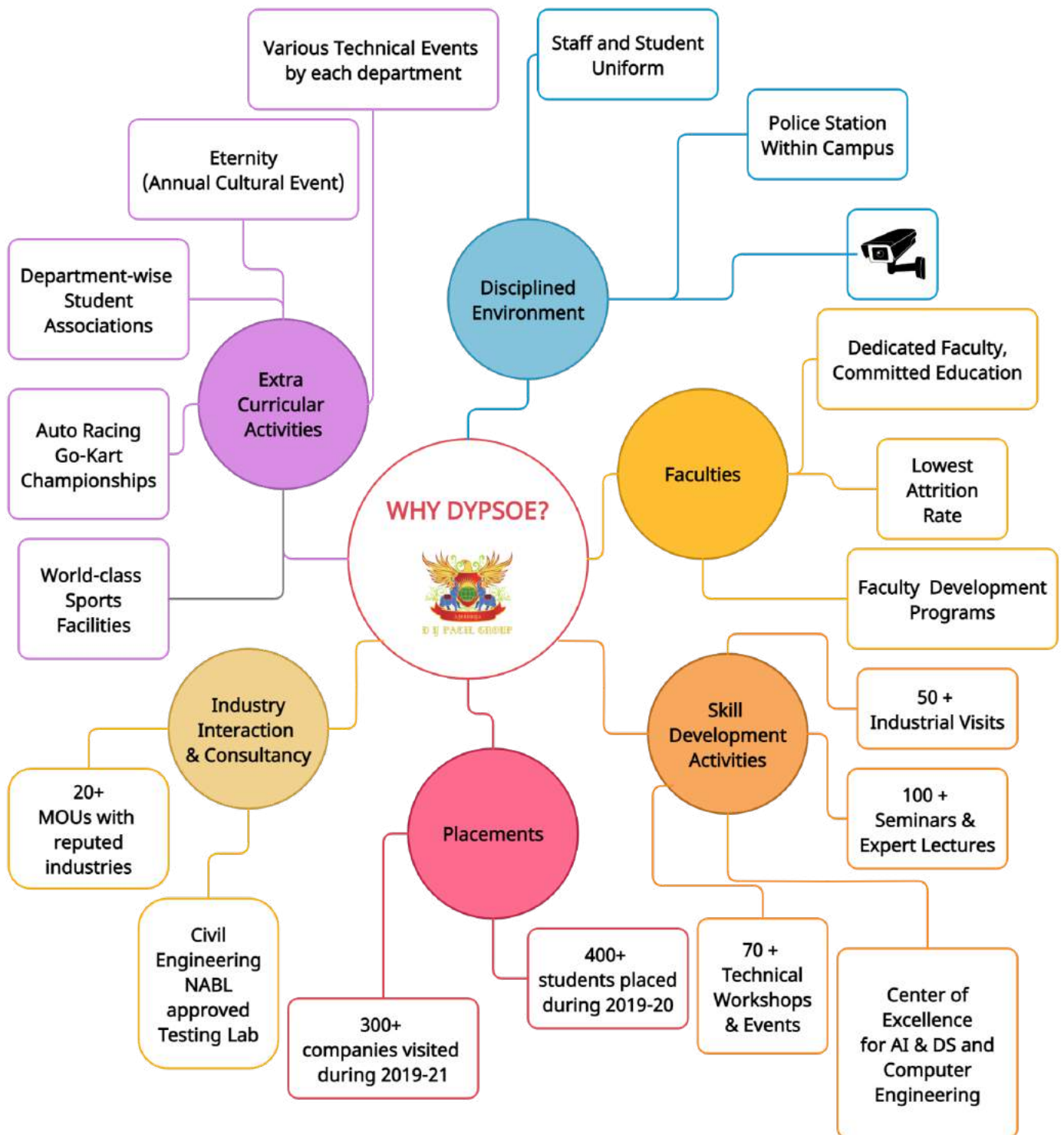
Education is the most-powerful weapon that can change the face of a nation. DYPSOE follows the tradition of educating students in Engineering that will best serve the nation. DYPSOE has earned a commendable reputation amongst the students, faculties, and stakeholders within a short span of time. The Group's futuristic vision is to provide quality education at an affordable cost, so as to enable the youth, primarily the rural youth to elevate their potential and to make them contribute to National Development. Under the mentorship of Dr Ajeenkya D Y Patil and the Director of DYPSOE, this institute is progressing continuously. The success is the result of dedication, creativity and entrepreneurship of our faculty, students, and management.

With our experienced and learned faculties encouraging and coaching the students, no dream is far-off. Faculties of DYPSOE Institutes cultivate social, moral and spiritual values in the students along with the appropriate knowledge, skills, and attitudes that lasts a lifetime.

By pedagogy, we mean the dynamic relationships between learner & learning, teacher & teaching and culture & curriculum.

Experts recognize that the traditional lecture model is highly ineffective for teaching twenty-first century competencies and skills, yet widespread use of this model continues. The five pillars of our revamped Pedagogy bring together the conceptual, theoretical and practical dimensions of engineering knowledge needed to tackle the complex global challenges.

- Future facing education - Encourage transfer of learning
 - Skill development through project based learning.
 - Freedom to faculties for implementing innovative ideas in teaching & learning methodologies.
- Decolonizing education - Address misunderstandings directly
 - Student centric approach in teaching; Extra teaching hours for weak students.
 - In-depth preparation of the subject by a teacher to make it more interesting and easy to understand.
- Transformative capabilities - Exploit technology to support learning
 - Extensive use of audio-visual aids, such as PPTs, Animation, Videos, etc.
 - Use of cutting edge tools like Moodle, NPTEL Videos, MOOC, etc.
- Crossing boundaries - Make learning relevant to the 'big picture'
 - Industrial visits to renowned industries in each semester.
 - Expert lectures by industry experts & top rated academicians.
- Social learning - Foster students' creativity
 - Students are encouraged to participate in seminars, workshops, projects, etc.
 - Extra sessions for placement & other personality building activities.



Computer Engineering

“To achieve excellence in technical and socio-economic fields”

The Graduates of Computer Engineering will be able to Analyze design and provide optimal solutions for computer engineering and multidisciplinary problems as well as to pursue higher studies and research by applying knowledge of mathematics and fundamentals of Computer Science. The Department strives to prepare graduates to work on multidisciplinary platforms, associated with their professional position both independently and in a team environment.

The Department of Computer Engineering started its journey in the year 2010 with an initial intake of 60 students to cater to the requirement of trained Engineers in the field of Computers. The department presently has an Undergraduate (UG) course in Computer Engineering, with an intake capacity of 120 students and Postgraduate (PG) course in Computer Engineering with an intake capacity of 24 students. The department has modern laboratories which are equipped with the latest computers, software and peripherals. The student to computer ratio is maintained of 1:1, with 24 X 7 internet facility and WiFi. We also boast of modern infrastructure facilities and beautiful ambience to support overall development of the stakeholders. Our aim is to create skillful Computer Engineers enthused with the soul of polished methodology and mindful responsibility. To achieve this, we have competent, dedicated and highly motivated staff to train our students. Besides the regular classroom teaching, we conduct special training in soft skills programs (personality development, communication skills, group discussions, debate, etc.) and foreign language programs (Japanese and German) which are a continuous process for development of students to facilitate better placement opportunities. The Department is known for its excellent results in academics. The department has signed many MoUs with different organizations for the advanced programming languages and foreign language courses. Our staff is motivated to carry out research work in varied fields like: Database, Data warehousing, Data Mining, Networking, Wireless Communication, Image Processing, Wireless Sensor Networks, Deep Learning, Artificial Intelligence and Robotics and Internet of Things (IoT) etc.

300+
Projects Completed

1200+
Students Participated

Center of Excellence
For Artificial Intelligence
and Data Science

30+
Workshops conducted

150+
Seminars arranged

15+
Training programmes
conducted



- ❖ **Software Engineering Laboratory**
- ❖ **Project Laboratory**
- ❖ **Hardware Laboratory**
- ❖ **Computer Network Laboratory**
- ❖ **Computer Graphics Laboratory**



Head of Department (Computer Engineering)



Dr. Pankaj Agarkar

Head, Computer Engineering

Experience : 24 years

Email : hod_comp@dypic.in

Dr Pankaj Agarkar has an expertise in subjects like High performance computing, Clouding Computing, Data Mining and Data science. He has guided more than 20 Postgraduate students, 100 UG students and he has guided PhD students in various universities.

He has published more than 70 research papers to his credit. Various International conferences, FDPs, Seminars for students as well as staff have been organized under his guidance. He handles various portfolios like NAAC and R & D. He possesses professional body membership of CSI & ISTE , IEEE, and ACM. He has reviewed national & international research publications in very renowned journals & conferences which are peer reviewed, Scopus indexed and AICTE, UGC recommended namely IEEE, ACM, and Elsevier.

Key Faculties (Computer Engineering)

Dr. Pankaj Agarkar



Qualification: PhD(Computer Engineering), MBA (IAE), ADC-E

Experience: 24 Years

Email ID:

pankaj.agarkar@dypic.in

Specialization: Data Mining ,
High performance Computing

Dr. Sunil Rathod



Qualification: PhD (Computer Engineering)

Experience: 24 Years

Email ID: sunil.rathod@dypic.in

Specialization: AI, Machine Learning
& Algorithms

Jayashree Chaudhari



Qualification: M.Tech(IT) , PhD
(Pursuing)

Experience: 16 Years

Email ID: jayashree.chaudhari@dypic.in

Specialization: AI, Machine
Learning, Data Mining

Nilesh Mali



Qualification: M.E. (IT)

Experience: 16 Years

Email ID: nileshmali@dypic.in

Specialization: Cloud Computing

Monika Dangore



Qualification: M.E. (CE), PhD
(Pursuing)

Experience: 14 Years

Email ID:

monikadangore@dypic.in

Specialization: Mobile Adhoc
Network

Pallavi M. Shimpi



Qualification: M.E. (CE), PhD
(Pursuing)

Experience: 12.8 Years

Email ID: pallavi.shimpi@dypic.in

Specialization: AI, Machine Learning
& Algorithms



Nilesh Pinjarkar

Qualification: ME (Computer Engineering)

Experience: 11.3 Years

Email ID:
nileshpinjarkar@dypic.in

Specialization: Data Mining and Cyber Security



Amruta Chitari

Qualification: M.E. (CE), PhD (Pursuing)

Experience: 11 Years

Email ID: amruta.chitari@dypic.in

Specialization: AI, Machine Learning, Data Mining



Vishal Borate

Qualification: M.E. (IT)

Experience: 9.1 Years

Email ID: vishalborate@dypic.in

Specialization: IOT, Data Science



Yogesh Mali

Qualification: M.E. (Computer Network), PhD (Pursuing)

Experience: 8 Years

Email ID: yogesh.mali@dypic.in

Specialization: Cyber Security, IOT, AI



Ajita Mahapadi

Qualification: M.E. (CE)

Experience: 8 Years

Email ID: ajitamahapadi@dypic.in

Specialization: Networking, Cloud



Chaitanya Bhosale

Qualification: M.E. (CE), PhD (Pursuing)

Experience: 7 Years

Email ID: chaitanya.bhosale@dypic.in

Specialization: IOT, AI, Theory of Computation



Prashant Mandale

Qualification: M.Tech. (IT), Ph.D.
(Pursuing)

Experience: 6 Years

Email ID:

prashantmandale@dypic.in

Specialization: Cloud, Algorithms,
Data Structures



Komal Jakotiya

Qualification: M.E. (CE)

Experience: 6 Years

Email ID: komaljakotiya@dypic.in

Specialization: Cloud Computing



Pooja Shinde

Qualification: M.E. (CE)

Experience: 5 Years

Email ID: poojashinde@dypic.in

Specialization: Deep Learning,
Machine Learning



Swati Kadu

Qualification: ME (Information
Technology)

Experience: 5 Years

Email ID: swatikadu@dypic.in

Specialization: Data Mining and
Cyber Security



Poonam Bhogade

Qualification: M.Tech(Computer)

Experience: 4.2 Years

Email ID:

poonambhogade@dypic.in

Specialization: Cloud
Computing, AI, Networking



Education is the most powerful weapon
which you can use to change the world.

- Nelson Mandela



Civil Engineering (Infrastructure and Town Planning)

“To strive for technical excellence in Civil Engineering”

The Civil Engineering Department in DYPSOE was established in the year 2010 with an intake of 60 students. The department has highly qualified and experienced faculties in various specializations. The department has well equipped and spacious laboratories. The department has a testing and consulting services lab which is NABL accredited providing quality testing of materials and consultancy to the construction industry. The Lab provides consultancy to Indian Railways, Indian Army and various private developers besides in-house services (ranging from structural, testing and environmental) to the Campus. The students are involved in all the consultancy work. The department participates in research projects from the department of science and technology. The department also has a center of excellence with latest computers for AutoCAD, ETAB and BIM so that our students are abreast with the latest trends in the industries. Besides this, Industry-Institute interaction and Memorandum of Understanding (MoU) are signed with many organizations for enhancing student's employability.

The department always believes in the Industry institute interaction and has a great focus on structured internship in core and interdisciplinary domain to make the students industry ready for their future career. The department gets industry sponsored projects and internships for the students from NHAI and reputed private developers. There is strong bondage with our Alumni who mentor the students and keep us informed about latest developments through guest lectures and formal functions. The department inculcates the paper publishing skills in students by linking it to their project work. The students of the Civil department have ventured into various startups and have shown exceptional entrepreneur skills in the market. Our students have joined top positions in state government, defense and private companies.

150+
Projects Completed

600+
Students Participated

NABL Approved
Testing Lab

30+
Workshops conducted

150+
Seminars arranged

15+
Training programmes
conducted



- ❖ Testing of Materials Laboratory
- ❖ Transportation Engineering Laboratory
- ❖ Geotechnical Engineering Laboratory
- ❖ Fluid Mechanics Laboratory
- ❖ Surveying Laboratory
- ❖ Environmental Laboratory
- ❖ CAD Laboratory
- ❖ Engineering Geology Laboratory



Head of Department
(Civil Engineering - Infrastructure & Town Planning)



Lt. Col. Sanjay Karodpati

Head, Civil Engineering

Experience : 11 years

Email : hod_civil@dypic.in

The department of civil engineering is headed by Lt Col Sanjay Karodpati (Retd) who has served in the Indian Army for 21 years and has wide experience in combat and civil engineering. He had constructed and maintained various civil engineering facilities like bridges, roads and tracks, shelters and water supply schemes in the difficult terrain. After leaving Army Lt Col Sanjay Karodpati had joined a reputed private company where he was involved in construction of Huge IT Park and residential complex. He uses his experience and knowledge in motivating the students to take up and clear various competitive exams. Besides this under his leadership the department endeavors for good placements and successful startups by the students.

He has specialization in Construction management and geotechnical engineering. He has given guidance to all the project groups of the final year for completion of their projects. He has published 10 papers in various UGC journals. He is a life member of Indian Plumbing Association (IPA). He keeps close association with Military Engineering Services(MES) for consultancy work in the department which benefits employability of students and increases the horizon of faculties. He is also NAAC adviser to the college on infrastructure.

Key Faculties

(Civil Engineering - Infrastructure & Town Planning)



Lt. Col. Sanjay Karodpati

Qualification: M.E
(Construction Management),
PhD (Pursuing)
Experience: 35 Years
Email ID: hod_civil@dypic.in
Specialization: Construction
Management



Dr Rajesh Katdare

Qualification: M.Tech
(Environment), Ph.D
Experience: 40 Years
Email ID:
rajesh.katdare@dypic.in
Specialization:
Environmental
Engineering



Ramakant Koshti

Qualification: M.E.
(Structures), Ph.D (Pursuing)
Experience: 25 Years
Email ID:
ramakant.koshti@dypic.in
Specialization: Structural
Engineering



Jitendra Dalvi

Qualification: ME
(Structures) Ph.D
(pursuing)
Experience: 20 Years
Email ID:
jitendradalvi@dypic.in
Specialization: Structural
Engineering



Uday Kakde

Qualification: M.Tech
(Structures), PhD (Pursuing)
Experience: 12 Years
Email ID:
udaykakde@dypic.in
Specialization: Structural
Engineering



Swapnil Bijwe

Qualification:
M.Tech(Envi),PhD
(Pursuing)
Experience: 11 Years
Email ID:
swapnilbijwe@dypic.in
Specialization:
Environmental
Engineering



Aakansha Ingle

Qualification: M.E
(Construction Management),
PhD (Pursuing)
Experience: 5 Years
Email ID:
aakanshaingle@dypic.in
Specialization: Construction
Management



Prasad Gayake

Qualification: ME
(Structures)
Experience: 6 Years
Email ID:
prasdgayake@dypic.in
Specialization: Structural
Engineering



Aniket Nemade

Qualification: M.Tech
(Structures)
Experience: 4.5 Years
Email ID:
nemadeaniket@dypic.in
Specialization: Structural
Engineering



Ahinsak Taksande

Qualification: ME
(Structures)
Experience: 5 Years
Email ID:
ahinsaktaksande@dypic.in
Specialization: Structural
Engineering



Uzma Shaikh

Qualification:
M.Tech(WRE)
Experience: 4 Years
Email ID: uzma@dypic.in
Specialization: Water
Resources Engineering



Imagination is more important
than knowledge.

- Albert Einstein



Electronics & Telecommunications Engineering in Robotics

“Imparting Quality Technical Education To Meet The Needs Of Industry & Society”

The E & TC Department has set its mission to create a center of learning through an integrated, interdisciplinary approach and impart employability skills among the students through industry linkages. The department has signed MoUs with reputed industries such as BSNL, Pune, Reliance Jio Mumbai for students training, internship, industry sponsored projects etc for the on field experience to the students. Also the department arranges industry visits, soft skill training for the technical development of the students. A platform of students' forum called 'EESA' is provided to the students for all round development by participation in extracurricular activities. The department also encourages and promotes a conducive environment for creative activities to enhance students' practical problem solving abilities. The department runs undergraduate as well as post graduate programs with the help of its qualified faculties. We have a total of 11 faculties out of which 3 are with PhD degrees and others have enrolled for PhD. The department has 9 well equipped laboratories and 3 ICT enabled classrooms. The department has a center of excellence in renewable energy, PCB lab and HAM radio club. The faculties do publications in national and international conferences and Journals regularly. They also apply for patents and copyrights. The department has received a research fund of Rs. 83 Lakhs from the government of India under DBT scheme.

150+
Projects Completed

30+
Workshops conducted

600+
Students Participated

100+
Seminars arranged

Departmental Laboratories



- ❖ Basic Electronics Laboratory
- ❖ Signal Processing Laboratory
- ❖ Communication Laboratory
- ❖ Digital & Embedded System Laboratory
- ❖ Electronic Devices and Circuits Laboratory
- ❖ Basic Electrical Engineering Laboratory



Head of Department (E & TC Engineering in Robotics)



Dr. Sanjay Koli

Experience : 23 Years

Head, E & TC in Robotics Engineering

Email : hod_etc@dypic.in

The department of E&TC Engineering is headed by Prof. Dr. S. M. Koli, who has over 24 years of teaching, research & administrative experience. He is also currently working as PhD supervisor and guiding 7 scholars for their research. He has received 5 copyrights in various technological areas along with his research scholars. His major research areas of interest are communication engineering and video signal processing. He has published 32 research papers in Peer Reviewed, UGC Care list, Scopus & Web of Science journals & proceedings.

Key Faculties (E & TC Engineering in Robotics)



Dr Sanjay Koli

Qualification: PhD(Electronics)

Experience: 23 Years

Email ID: sanjay.koli@dypic.in

Specialization: Video Signal Processing, Communication Engineering



Dr Saniya Ansari

Qualification: Ph.D.(ECE), M.E.(Electronics Engg.)

Experience: 17.9 Years

Email ID:

saniya.ansari@dypic.in

Specialization: Image Processing, AI, Robotics



Dr. Rashmi Mahajan

Qualification: M.Tech. (VLSI Technology), Ph.D. (Electronics Engineering)

Experience: 16 Years

Email ID:

rashami.mhajan@dypic.in

Specialization: VLSI & Embedded System, AI



Riyaj Kazi

Qualification:

ME(Electronics)

Experience: 16 Years

Email ID: riyaj.kazi@dypic.in

Specialization: Digital Electronics



Sukumar Chougule

Qualification: ME (Electronics Engineering)

Experience: 21 Years

Email ID:

sukumarchougule@dypic.in

Specialization: Digital Systems



Swati Khawate

Qualification: M.E.(E & TC.),

Experience: 8. 10 years

Email ID:

swati.khawate@dypic.in

Specialization: VLSI & Embedded system



Prajakta Khairnar

Qualification: ME(Electronics)

Experience: 7.2 Yrs

Email ID:

prajakta.khairnar@dypic.in

Specialization: Digital systems



Sayali Mane

Qualification: ME (E&TC)

Experience: 5.2 Years

Email ID:

sayalimane@dypic.in

Specialization: Wireless
Communication



Ashwini Bagade

Qualification: MTech (E&TC)

Experience: 2 Years

Email ID:

ashwinisaykar@dypic.in

Specialization: Wireless
Communications



Shital Patil

Qualification: ME (E&TC)

Experience: 6 Months

Email ID: shitalpatil@dypic.in

Specialization: VLSI &
Embedded system



Education is the key to
unlock the golden door of
freedom.



- George Washington Carver

Mechanical Engineering in Robotics

“Empowerment Through Academic Excellence”

The Department aims to develop competence in core areas of mechanical engineering with adequate exposure of students to state of art technological developments like CAD/CAM, Robotics, 3-D Printing, Electric Vehicle etc. career opportunities. We provide in-depth theoretical aspects of Mechanical Engineering with the laboratory knowledge through most advanced equipment on which students experiment.

Department is intended to equip the graduate students with necessary skills that will make them successful engineering practitioners in the fields like Robotics, 3-D Printing, Artificial Intelligence, CAD/CAM/CAE, Design, Thermal, Manufacturing, Smart Automation etc. Most of the faculty members are Post Graduates with Master's Degree in their respective discipline and some of them have completed PhD & actively involved in Research activities, Consultancy, Publications, Seminars, Workshops, and Conferences etc.

Department has smart classrooms & well equipped laboratories with latest CAD/CAE Software's like CREO, Ansys, Mastercam, etc. The department has an excellent placement track record. The major areas of placements are Core Manufacturing Industries, Automotive Industries & Software Companies. MOU's with reputed industries / organizations for imparting industry specific training to students.

Under MESA (Mechanical Engineering Students Association) organizes Seminar, Guest Lectures, Workshop, Training program, Kite Festival, Teachers day, Engineers Day & social activity like - tree plantation , blood donation , health checkup. Department has an MOU with ARC & Wisdomatic Swarms which organizes the Auto India Racing Championship event (Go-Kart) at National level every year in the College campus.

300+
Projects Completed

**Center of Excellence
for Robotics &
Automation**

**Auto India
Racing
Championships**

25+
**Workshops
conducted**

130+
Seminars arranged

10+
**Training programmes
conducted**



- ❖ CAD CAM Laboratory
- ❖ Heat transfer Laboratory
- ❖ Workshop
- ❖ Theory of Machines (TOM) Laboratory
- ❖ Metrology and Quality Control (MQC) Laboratory
- ❖ Internal Combustion Engines (ICE) Laboratory
- ❖ Refrigeration and Air Conditioning (RAC) Laboratory



Head of Department (Mechanical Engineering in Robotics)



Prof. Rohit Garad

Experience : 24 Years

Head, Mechanical Engineering in Robotics

Email : hod_mech@dypic.in

The Department of Mechanical Engineering is headed by Prof. Rohit Garad. He has nearly 22 yrs. of teaching & administrative experience. He has 3 yrs of Industry experience. He is Pursuing PhD & his major research area is I C Engine. He contributed to the Savitribai Phule Pune University by paper setting & syllabus implementation for different subjects.

Key Faculties (Mechanical Engineering in Robotics)



Rohit Garad

Qualification: M.Tech(Prod), PhD
(Pursuing)

Experience: 24 Years

Email ID: rohitgarad@dypic.in

Specialization: Thermal, I C
Engine



Dr. Farook Sayyad

Qualification: ME(Design),
PhD, Post-Doc

Experience: 21 Years

Email ID:
farooksayyad@dypic.in

Specialization: Mechanical
Vibration, Theory of Machine



Dr. Dileep More

Qualification: PhD (Industrial
Engineering and Operations
Management)

Experience: 12 Years

Email ID: dileep.more@dypic.in

Specialization: Industrial
Engineering



Santosh Jadhav

Qualification: ME (Mechanical
Design Engineering), PhD
(Pursuing)

Experience: 20 Years

Email ID:
santosh.jadhav@dypic.in

Specialization: Design
Engineering



Amol Patil

Qualification: Ph.D.(Pursuing),
M.E. Mech. (Design Engineering)

Experience: 18 Years

Email ID: amolp@dypic.in

Specialization: Additive
Manufacturing, Design
Engineering, Mechanical



Prashant Karajgi

Qualification: ME (Mechanical
Design Engineering)

Experience: 18 Years

Email ID:
prashant.karajagi@dypic.in

Specialization: Design
Engineering



Kunal Marathe

Qualification: PhD Pursuing, ME
(Mechanical- Design)

Experience: 14 years

Email ID: kunalmarathe@dypic.in

Specialization: Additive
Manufacturing, Design,
Mechanical



Vinod Tirpude

Qualification: PhD Pursuing,
M.Tech.(Mechanical
Engineering Design)

Experience: 22 years

Email ID:

vinodtirpude@dypic.in

Specialization: Mechanical
Engineering Design



Sandeep Bhaskar

Qualification: M.Tech.
(Mechanical System Design -
I.I.T.Kharagpur)

Experience: 12 years

Email ID:

sandeepbhaskar@dypic.in

Specialization: Mechanical
System Design



Vikram Ghule

Qualification: ME (Design),
PhD (Pursuing)

Experience: 12 Years

Email ID:

vikram.ghule@dypic.in

Specialization: Design
Engineering, Thermal
Engineering



Amol Gaikwad

Qualification:
M.Tech.(Mechanical CAD/CAM),
PhD (Pursuing)

Experience: 11 Years

Email ID: amol.gaikwad@dypic.in

Specialization: Design and
CAD/CAM



Parag Marathe

Qualification: PhD Pursuing
(COEP),M.Tech.(Manufacturing
Engg.,IIT Bombay)

Experience: 10 Years

Email ID:

parag.marathe@dypic.in

Specialization:
Microelectromechanical
Systems, Precision
Engineering, Advance
Manufacturing Techniques



Sachin Jadhav

Qualification:

M.Tech.(Mechanical CAD/CAM),
PhD (Pursuing)

Experience: 10 Years

Email ID: sachin.jadhav@dypic.in

Specialization: Automotive
Engineering



Yogesh Gandal

Qualification: ME (Heat Power
Engineering)

Experience: 10 Years

Email ID:
yogesh.gandal@dypic.in

Specialization: Heat Power
Engineering



Umaji Kolekar

Qualification: ME Design
Engineering

Experience: 10 years

Email ID: umaji.kolekar@dypic.in

Specialization: Mechanical
Design



Vinod Patil

Qualification: M.Tech
(Mechanical- Design)

Experience: 9 years

Email ID: vinodpatil@dypic.in

Specialization: Mechanical
Design



Paresh Pravin Khairnar

Qualification: PhD Registered,
ME (Mechanical- Design)

Experience: 8 Years

Email ID:
paresh.khairnar@dypic.in

Specialization: Mechanical
Design



Amit Shinde

Qualification: ME (Design
Engineering)

Experience: 8 years

Email ID: amitshinde@dypic.in

Specialization: Design
Engineering



Yogesh Danekar

Qualification: ME (Design)

Experience: 8 Years

Email ID:
yogesh.danekar@dypic.in

Specialization: Design
Engineering



Dipak Shelke

Qualification: ME (Heat
Power)

Experience: 7 years

Email ID:
dipakshelke@dypic.in

Specialization: Heat Power
Engineering



Tejaswini Kulkarni

Qualification: ME (Design Engineering)

Experience: 6.5 Years

Email ID:
tejaswini.kulkarni@dypic.in

Specialization: Design Engineering



Jagruti Nimgulkar

Qualification: M.Tech (Thermal Engineering)

Experience: 6.5 Years

Email ID:
jagruti.nimgulkar@dypic.in

Specialization: Thermal Engineering



Awes Ansari

Qualification: PhD (Pursuing),
M.Tech(Heat Power)

Experience: 6 years

Email ID: ansariawes@dypic.in

Specialization: Heat Power Engineering



Pooja Nawathe

Qualification: ME (Design Engineering)

Experience: 6 Years

Email ID:
pooja.nawathe@dypic.in

Specialization: Design Engineering



Kundan Kolambe

Qualification: ME (Heat Power)

Experience: 5 years

Email ID:
kundankolambe@dypic.in

Specialization: Heat Power Engineering



Dr. Mohd. Imran Ansari

Qualification: PhD
(Mechanical Engineering -
DIAT-DRDO, Pune)

Experience: 4 years

Email ID:
imranansari@dypic.in

Specialization: Advanced Manufacturing Process;
Material Characterization;
Tribology; Surface Engineering of Nano-Materials; Design Optimization Techniques



Education is not preparation for life.

Education is life itself.



- John Dewey

Artificial Intelligence and Data Science Engineering

***“To Become Center Of Excellence In Artificial Intelligence & Data Science
Upholding Social Values”***

Artificial intelligence is a broad field that entails emulating intelligent behaviors, often inspired by human intelligence, in machines. At Vanderbilt, this research encompasses multiple topics including agent-based modeling and simulation, computational creativity, computational game theory, computational models of human problem solving data mining and big data, distributed artificially intelligent algorithms, educational data mining and learning analytics, intelligent learning environments, machine learning, and multi-agent systems.

Artificial Intelligence focuses on understanding core human abilities such as vision, speech, language, decision making, and other complex tasks, and designing machines and software to emulate these processes. AI is the fastest growing, highest paid and lucrative IT career that has incredibly high demand. Data Science is the art of turning data into actions through creating data products.

The Department was established in 2020 and has a Centre of Excellence designed specifically for students' academic growth and development.

**Center of Excellence
For Artificial Intelligence &
Data Science**

**State of the Art
Laboratories**



- ❖ **Software Engineering Laboratory**
- ❖ **Project Laboratory**
- ❖ **Hardware Laboratory**
- ❖ **Computer Network Laboratory**
- ❖ **Computer Graphics Laboratory**





Sonal Durgule

Qualification: M.E.

(Computer)

Experience: 8 Years

Email ID:

sonaldurgule@dypic.in

Specialization: Image
Processing, Data mining



Tejashri Kore

Qualification: M.E. (Computer)

Experience: 7.5 Years

Email ID: tejashrikore@dypic.in

Specialization: Artificial
Intelligence (ANN)



Ajita Mahapadi

Qualification: M.E. (CE)

Experience: 7 Years

Email ID:

ajitamahapadi@dypic.in

Specialization:

Networking, Cloud



Chaitanya Bhosale

Qualification: M.E. (CE), PhD
(Pursuing)

Experience: 7 Years

Email ID: chaitanya
.bhosale@dypic.in

Specialization: IOT, AI, Theory of
Computation



Education is a better safeguard of
liberty than a standing army.



– Edward Everett

Department of Engineering Science

“To Prepare A Solid Foundation For Quality Engineering Education Of Exceptional Standards”

The Department of Engineering Sciences is a separate department for taking care of the first year engineering students. Total 22 teaching staff, out of this 4 are Ph.D., 5 are Ph.D. pursuing and 13 are post graduates. The focus of the department is to lay a strong foundation and foster up-to-date knowledge in applied & engineering sciences. Department also encourages and promotes a conducive environment for creative activities to enhance students' practical problem solving abilities and equip them for success in the modern world. Regular assignments and problem-solving sessions enable our students to face the University exams with confidence. Extra-curricular & co-curricular activities through First Year Student Association (FESA) nurture their all-round talents.

The Department has an Anti-ragging Committee and Anti-ragging Squad, through which we have kept the educational atmosphere ragging free. We take various measures such as internal tests, remedial teaching, home assignments, think-pair-share activity, mentoring & counseling, parents-teacher meet, student & parents feedback for strengthening academics. Class teachers regularly monitor the attendance and progress of the students and the same is regularly communicated to the parents. Adequate attention is given to the weaker students through counseling and extra classes. Along with academic progress we give equal importance to co-curricular and extra-curricular activities for overall personality development of the students. Also, students are encouraged to participate in various technical and sports events at state and national level.

20+
**Workshops
conducted**

100+
Seminars arranged

10+
**Training programmes
conducted**



- ❖ Language Laboratory
- ❖ Chemistry Laboratory
- ❖ Computer Laboratory
- ❖ Physics Laboratory
- ❖ Electrical Laboratory



Head of Department (Engineering Science)



Dr. S M Khairnar

Experience : 30 Years

Head, Department of Engineering Science

Email : hodfe@dypic.in

The Department of Engineering Sciences is headed by Prof. Dr. S. M. Khairnar, who has 31 years of teaching, research & administrative experience. 18 students have successfully completed Ph.D. under his guidance. His major research areas of interest are Geometric Functions Theory and Image Processing by Graph Partitioning & Wavelets. He has successfully completed five research projects funded by SPPU, UGC, DST, DAE & NBHM. Presently working on one major research project worth Rs. 81 lakhs funded by DBT, Govt of India. He has published 128 research papers in Peer Reviewed, UGC Care list, Scopus & Web of Science journals & proceedings.

He has delivered 96 talks to date on various topics for promoting interdisciplinary and multidisciplinary research in science and engineering. He has visited foreign Universities for various research activities and also delivered plenary and invited talks at various International Conferences held at Canada, London, Oxford, Australia, New York, Pakistan, Malaysia, Nepal, Singapore, Thailand, UK, etc.

Key Faculties (Engineering Science)



Dr. S. M. Khairnar

Qualification: M. Sc., M. Phil.,

Ph.D. (Applied Mathematics)

Experience: 30 years

Email ID: hodfe@dypic.in

Specialization: Geometric

Functions Theory & Image

Processing



Rohini Gadgil

Qualification: M.E. Electrical

Experience: 19 years

Email ID: rohini.gadgil@dypic.in

Specialization: Power Systems



Dr Shobha Rupnar

Qualification: M.Sc., SET, Ph.D

Experience: 10 years

Email ID:

shobha.rupnar@dypic.in

Specialization: Organic

Chemistry



Dr Rahulkumar Katkade

Qualification: M.Sc. Ph.D

(Mathematics)

Experience: 11 years

Email ID:

rahulkatkade@dypic.in

Specialization: Mathematics



Bhagwat Gidhad

Qualification: M.Sc.

CSIR-NET(JRF) , SET

Experience: 5 years

Email ID:

bhagwatgidhad@dypic.in

Specialization: Matrix Algebra

and Differential Equations

Approved by AICTE and Affiliated to MSBTE Mumbai

MSBTE Institute Code: 1649

DTE Code: 6732

There are three departments namely Artificial Intelligence and Machine Learning, Computer Engineering, Mechanical Engineering each having an intake of 60.

The Department focuses on recognizing the abilities among the students and adopting appropriate teaching learning processes for improving their technical competency. The department has a students association to augment students' personality with team work and improve organizing capabilities in the students.

Diploma Engineering started in the year 2012. The college has excellent infrastructure with modern well equipped laboratories.

We have well qualified and experienced faculties in each department. We also have well equipped laboratories and a library. Apart from academics, we also emphasize on students co-curricular activities like sports, social activities, cultural activities, industrial visits, expert lectures, blood donation camps, alumni meets and many more. The institute aims to achieve academic excellence and provides extraordinary opportunities to students to excel in this competitive world.

80% students
went for
Higher Education
(B.E.)

10% students
placed in reputed
companies

10% students
became
Entrepreneurs

25+
Workshops
conducted

130+
Seminars arranged

10+
Training programmes
conducted



Prof. R. S. Housalmal

Experience : 13 Years

Polytechnic Coordinator

Email : poly.coordinator@dypic.in

Prof. R. S. Housalmal is the Diploma Co coordinator. He has completed his post graduation with a degree M.Tech in Mechanical engineering.

He has over 13 years of teaching experience. He has published books on - Theory of machine and Advance manufacturing process with Giga Tech publication. He has also published three national level papers on CFD as a tool for uniform bump electroplating.

More than 50 students have successfully done project research work under his excellent guidance.

Key Faculties (Diploma)



Rajabhau Housalmal

Qualification: M.Tech

(Mechanical engineering)

Experience: 13 Years

Email ID:

rs.housalmal@dypic.in

Specialization: Mechanical
Production



Manali Shimpi

HOD, Computer (Polytechnic)

Qualification: M.E

(Computer Engineering)

Experience: 8 Years

Email ID:

manalishimpi@dypic.in

Specialization: Networking



Avinash Kulkarni

HOD, Mechanical (Polytechnic)

Qualification: ME (Mechanical
)

Experience: 7.5 Years

Email ID:

avinashkulkarni@dypic.in

Specialization: Design



Rekha Kotwal

Qualification:

M.E. (Computer Engineering)

Experience: 5 Years

Email ID:

rekhakotwal@dypic.in

Specialization: Wireless

Sensor Network, Networking



Mayuri Mhaske

Qualification: ME (Design
Engineering)

Experience: 5.5 Years

Email ID:

mayurimhaske@dypic.in

Specialization: Design
Engineering



Preeti Umbardand

Lecturer, Soft Skills

Qualification: M. A., B. Ed, M.
Phil

Experience: 15 Years

Email ID:

pritiumbardand@dypic.in

Specialization: English



Santosh Thorat

Qualification: ME (Design Engineering)

Experience: 5 Years

Email ID:

santoshthorat@dypic.in

Specialization: Design Engineering



Meghasham Joshi

Qualification: ME Heat Power

Experience: 1 Year

Email ID:

meghashamjoshi@dypic.in

Specialization: Heat Power Engineering



An investment in knowledge
pays the best interest.



- Benjamin Franklin

Internal Quality Assurance Cell (IQAC)

The Internal Quality Assurance Cell (IQAC) was established in 2016. Quality enhancement is a continuous process, the IQAC has become a part of the institution's system and works towards realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions.



Prof. Riyaz Kazi

IQAC Coordinator

Experience : 16 Years

Email : iqac_dypsoe@dypic.in

IQAC – Vision

To ensure quality culture as the prime concern for the Institute through institutionalizing and internalizing all the initiatives taken with internal and external support.

Objective

The primary aim of IQAC is -

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Strategies

IQAC evolve mechanisms and procedures for -

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) Relevant and quality academic/ research programmes;
- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of assessment and evaluation process;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India.

Training and Placement

The Training and Placement Cell plays an integral role in creating the illustrious placement record of DYPSOE. It ensures smooth functioning of the placement activities in the campus. Training & Placement activities are organized throughout the year with a view to prepare the prospective learners for the campus selection programs. It is heartening to state that reputed industries across the country visit this college regularly for campus recruitment programs; however, the cell maintains good rapport with all industries for effective recruitment. In order to enhance the employability quotient of the students as demanded by industry, the Training & Placement cell provides the much needed training to the students to hone their employability skills. These training programs give the students tips on how to crack aptitude, group discussion, interview skills and resume preparation. The cell also educates the students with career opportunities in different areas such as Public Sector, Armed forces and Government Sector services by conducting guest lectures regularly.

400+ students
Placed Virtually
And Counting

Virtual placement drives by
185+ Companies

30+ Companies Offered
package more than **6 LPA**

4.5 Lakh+
Average Package

OUR RECRUITERS



Cognizant

Infosys®



PERSISTENT



Mphasis
The Next Applied

SYNTEL
Consider IT Done®

amazon

HSBC

Quick Heal

Security Simplified

iResearch

艾瑞咨询集团

NTT DATA

Credence
Excellence Beyond Belief

ESTATEMINT

BYJU'S
The Learning App

ELEATION™

CMS
IT SERVICES
Reliable | Robust | Secure

jaro
education™

ITC INFOTECH
Business-friendly Solutions

GlobalStep
Passion for your Success

ECONSTRUCT
DESIGN & BUILD PVT LTD

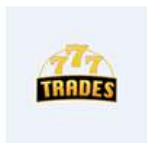
Apaha

We Build Civil Engineers

IBM

BOARD

ides



BHARAT FORGE



Mahindra

X-CALIBUR AUTOMATION

KIDERINDIA Private Limited



MICROLAND®
Extraordinary. Everyday.

Tech Mahindra



FLEXTRONICS X



Unikraft Paper
Industries Private Limited



ElectroMech
| Solutions | Service | Satisfaction |

OBJECTIVES OF TRAINING & PLACEMENT CELL

- To prepare and train aspiring learners to face campus recruitment by providing them exhaustive training with relevance to Communication Skills, Aptitude test and overall development for personal & professional grooming required in Industry.
- To arrange guest lectures of industrial experts to update and upgrade learners with hands-on experience in the wake of ever changing dimensions of professionalism.
- To arrange guest lectures of Alumni who are placed in reputed industries to inspire and motivate the aspiring learners.
- To arrange guest lectures on diverse career paths such as the Armed Forces, Public Sector and Private Sector etc.
- To arrange Sessions for students with regard to opportunities in Higher education and importance of GATE, TOEFL, GRE etc
- To provide basic insights of Entrepreneurship.
- To educate and provide necessary training to students in Foreign Languages.
- To create awareness about the different opportunities available in various fields in industry such as Information Technology (IT), Information Technology Enabled Services (ITeS), Manufacturing, Marketing, Automation etc.
- To make concerted and consistent efforts to enhance employability through Campus placements

DYPSOE promises all its students' placements in established MNCs and Start-ups. The Placement Cell of DYPSOE offers students a variety of opportunities in placement of jobs to choose from, after their course comes to an end. Companies, like, Amazon, Electromech, Franke Faber, Hitachi, HP, Tata Motors, L&T, Dr. Reddy's, Bosch, TCS, Cognizant, Accenture, Wipro, Infosys among others, actively take part in the placement and hiring processes with DYPSOE.

PLACEMENT HIGHLIGHTS

- **“Outstanding Industry and Academic Contributor”** Award by ASSOCHAM **2020**
- TCS Icon Award for **“Best Placement in Maharashtra”**
- **“Best Industry Interaction Award”** by ED Tech Review Award **2019**
- **India Book of Records** for “Maximum Female Candidates Recruited in a Single Day” on 7 March 2019
- **“Best Placement in Maharashtra”** Global Education Award **2018**
- High Package received **12 LPA** in the year 2020
- 102* companies visited in year of 2020-21 (Process is going on)
- 132 companies visited in year of 2019-20
- 104 Companies Visited in the year of 2018-19

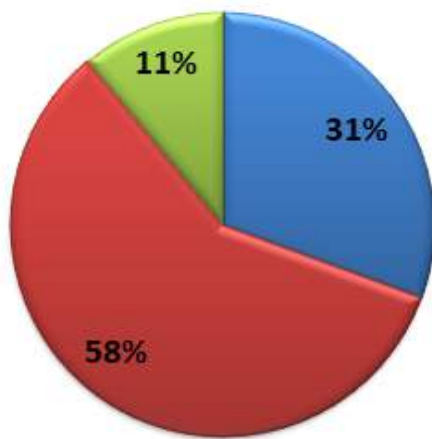


PLACEMENT STATISTICS

PLACEMENT STATUS AS ON 31 MARCH 2021	2020	2021*
No. Of Companies	125	103
No. of Super Dream Offers	21	10
No of Dream Offers	26	30
No. of Regular Offers	323	205
Over all offers	370	245*

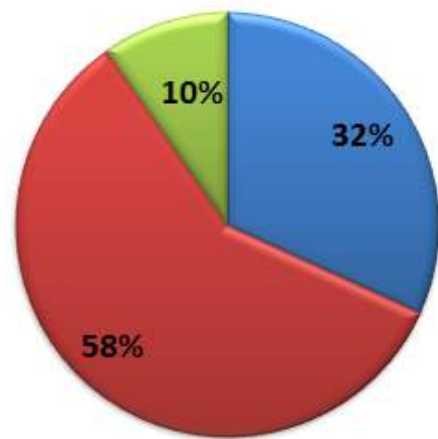
CTC Offeres 2019-20

■ Minimum ■ Average ■ Maximum



CTC Offered 2020-21

■ Minimum ■ Average ■ Maximum



Administrative Department



Gorakhnath Deshmukh

Designation: Registrar



Rajratn Ghadge

Designation: Chief Account
Officer



Amol D Chavan

Designation: Office Assistant



Sachin Rasal

Designation: Office Assistant



Amol Patil

Designation: Office Assistant



Onkar Bhosale

Designation: Account Assistant



Akshay Tikhe

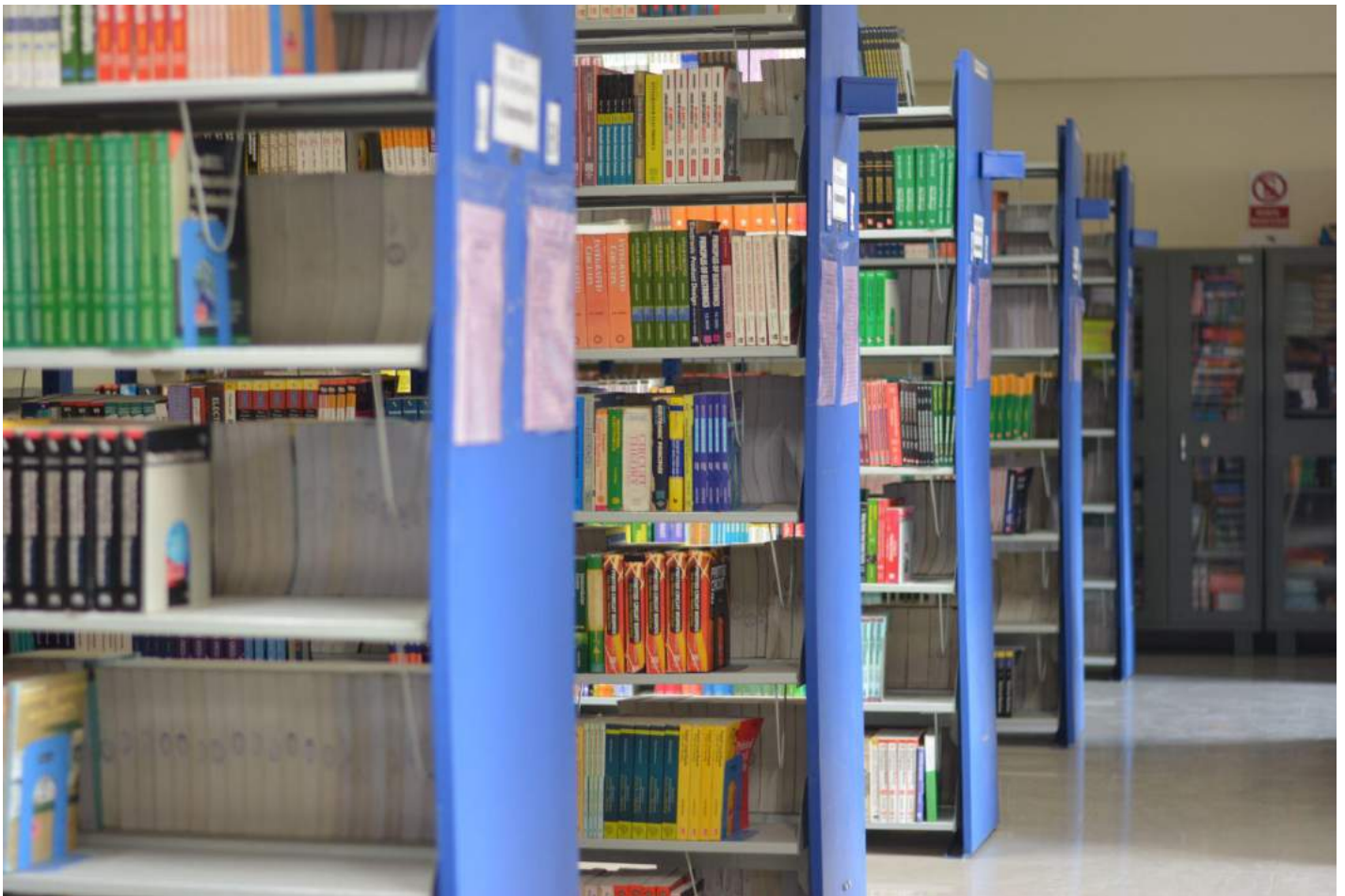
Designation: Junior Clerk



Aakash Chaudhary

Designation: Junior Clerk

Library



Auditorium



Campus



Hostel



Canteen



Sports



Events



Contact Us



Website :

www.dypsoe.in

Phone:

8605203317, 8624964738 (UG & PG)
9970254364 (Diploma)

Email :

admissions@dypic.in

Address :

Dr D Y Patil School of Engineering,
Charholi (Bk) Via Lohegaon, Pune -
412105

Click on the buttons to follow us on social media

