



DIRECTORATE OF TECHNICAL EDUCATION MAHARASHTRA STATE

For Private Circulation Only

PARTICIPATION OF GOVERNMENT POLYTECHNIC'S STUDENTS IN "MEE MUKHYAMANTRI BOLTOY" PROGRAM

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Appeal to Contribute

DTE Newsletter Editorial Board requests all its Regional Offices and various technical Institutes to send their latest information and photographs of events, activities and achievements of their students, faculty and institute for publication in DTE Newsletter on e mail address: dtenewsletter@gmail.com. They can also share information about certain Innovative Practices followed by them, Innovative Labs setup by them, International Collaboration / Industry Collaboration they have entered into and any National level Grants received by them, for publication in the Newsletter.

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The students of two Skill Development Centers established in Government Polytechnic, Aurangabad, namely - Mercedes Benz Centre & Air Craft Maintenance Engineering Centre, have participated in the program "Mee Mukhyamantri Boltoy" which was telecasted on television on 21st May 2017.

Mr. Shubham Chakre, student of Aircraft Maintenance Engineering Course & Mr. Kunal Patil, student of Mercedes Benz Centre of Government Polytechnic, Aurangabad, were selected and participated in the program which was conducted at the studio of Directorate of



Students of Skill development centres of Govt. Polytechnic Aurangabad with Hon. Chief Minister Shri Devendraji Fadnavis during shooting of "Mee Mukhyamantri Boltoy" at Mantralaya

Information and Public Relations at Mantralaya, Mumbai. Both the student asked questions to Chief Minister Hon. Chief Minister Shri. Devendra Fadnavis regarding the scope, potential and possible opportunities in their respective areas. Hon. Shri Fadnavis had given detailed reply and emphasized the importance of their respective fields.

Dr. Kiran Patil, Dy. Secretary, Higher & Tech. Education, Shri S.P. Yawalkar, Dy. Director, Shri



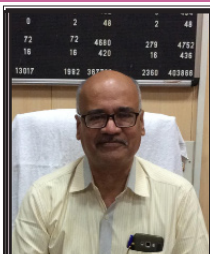
Officials of Department of Higher & Technical Education, Directorate of Technical Education and faculty of Govt. Polytechnic Aurangabad with Hon. Chief Minister Shri Devendraji Fadnavis

M.D. Shivankar, I/C Joint Director, Shri F.A. Khan, Principal, Shri Avinash Amte, Shri Bulani from Directorate of Tech. Education, Shri S.P. Shiralkar, Shri Suhas Paranjpe, Shri M.L. Bhagvat from G P Aurangabad guided the students for success of program.

Clarification on Queries about Admission Process of 2017-18 through Video Conferencing



A Video Conferencing interaction was established for Senior Officials of DTE with officials from all 6 Regional Offices of DTE & 35 Admission Reporting Centres out of 72, from all over Maharashtra on 7th July 2017 for resolving various grievances /problems /clarification on queries live on admission process of 2017-18.



Shri. C.V. Oak

Dear Readers,

It gives me immense pleasure to offer this issue of DTE Newsletter, which is dedicated to prestigious Technical Education Quality Improvement Program II (TEQIP - II), which has come to an end on 31st March 2017.

Technical Education is a very important segment of society, as it is the future Engineer who builds the nation as a whole, whether it is automation of industries or development of new technology of building of new Infrastructure. Maharashtra is striving hard to develop a competitive technical education system in the state that creates qualified and motivated graduates who are professionally competent and skilled to handle global, national and regional challenges in the industry, teaching, research and other areas.

Technical Education Quality Improvement Program (TEQIP) is a World Bank assisted project under Government of India for the improvement of technical education in the country. The first phase was focused on infrastructural and overall development of technical institutes and the second phase focused on Research, Innovation and scaling-up of Post Graduate Education. About 190 institutions including NITs from all over the country have benefitted by the project.

Maharashtra is blessed that it is included in all the phases of World Bank sponsored Technical Education quality Improvement program. Participation in first two phases of TEQIP has brought in additional resources and synergy in the field of Technical Education in the state. The program in its third phase also included certain Institutes from Maharashtra.

State Project Facilitating Unit (SPFU) at Directorate of Technical Education, Government of Maharashtra, facilitated TEQIP activities for the state and always encouraged such activities, which helped in the growth of technical education.

The main objective of the project is to produce skilled manpower of the highest quality comparable to the finest in the world and in adequate numbers to meet the technological needs of industry and country. Participation in both the phases of TEQIP has brought about a transformation in the state government's role from one of input control into

one of focusing on outcomes and incentivizing improvements in Technical Education.

Under TEQIP, all academic, administrative and financial procedures and decisions were transparent and involved maximum participation of stakeholders, viz faculty, staff, students, parents, industry etc.

TEQIP has helped the project institutions of Maharashtra to implement academic and non - academic reforms for their institutional development programs that focused on quality and relevance, excellence, resource mobilization, greater institutional autonomy with accountability, research and equity. Under TEQIP, the project institutions have set up New Laboratories, Modernize labs, purchased equipments that were necessary for their labs and completed campus wide networking. Faculty and Staff got benefit for improving their education, involved in training programs, exposure to National and International Conferences, encouraged publications in International/National Journals and developed patents.

Sometimes TEQIP is viewed only as a means of upgrading laboratories and faculty to help improve the quality of education, but the project also aims to build institutional capability by adopting good practices and processes. This has helped institutions to become more sustainable & brought improvements that will last beyond the project period.

The project also emphasized on opening New UG/ PG programs and focused on promoting innovations in teaching/research. Now, TEQIP-II institutes have their own 'Boards of Governors' duly represented by the almost all the stakeholders, viz., the teachers, the renowned academicians and the representatives of the Industry. The BoG holds each Government aided institution accountable towards Government, industry and civil society at large.

The project has also monitored the quality of technical education by making Accreditation of courses compulsory and focused on system management capacity improvement by providing software solutions as PMSS, MIS etc.

I take this opportunity to communicate my best wishes to various Engineering Colleges of Maharashtra who are included in TEQIP III.

Shri. Chandrashekhar V. Oak, IAS,
Director of Technical Education, M.S.
Mumbai

Training Programs on Scholarship Schemes & MahaDBT Portal



Shri. Sundar Bulani, OSD, DTE - MS, providing information about various Scholarship Schemes on MahaDBT portal to participants from Mumbai

One day Training Program was arranged on 23rd August 2017 for Principals & Staff Members of all the Institutes under Mumbai Regional Office of Technical Education in the Auditorium of St. Xavier's College of Engineering, Mahim, Mumbai. The program was organized to give information about Shri. Chatrapati Shahu Maharaj Tuition Fees Reimbursement Scholarship, Dr. Punjabrao Deshmukh Hostel Maintenance Scholarship and State / Central Government's Scholarships for Minority Communities. Around 450 Principals & Staff Members from 320 Institutes attended the workshop.

Shri. Pramod Naik, Jt. Director, Technical Education, Mumbai Regional Office, gave introductory information regarding the various scholarship schemes and MahaDBT Portal.

Shri. Sundar Bulani, Officer on Special Duty, Directorate of Technical Education, M.S. Mumbai, provided detailed information about the schemes running on MahaDBT Portal.



Pune region participants listening to information provided by Shri. Sundar Bulani, OSD, DTE - MS, about various Scholarship Schemes available on MahaDBT

Another program for Pune region was organised on 29th August 2017 in the Auditorium of College of Engineering, Pune, for Principals & Staff Members of all the Institutes under Pune Regional Office of Technical Education. This program was also organized to give information about various scholarship schemes running for Minority Communities running on MahaDBT Portal. Around 950 Principals & Staff Members from 750 Institutes from Pune region attended this workshop.

In his introductory address, Shri. R.P. Gaiwad, Asstt. Director, Pune Regional Office of Technical Education, gave the participants information regarding the various scholarships and MahaDBT Portal.

Here also Shri. Sundar Bulani, Officer on Special Duty, Directorate of Technical Education, M.S. Mumbai provided detailed information about the Schemes running on MahaDBT Portal.

MSBTE's "I-Scheme Orientation" Program



Inaugural Session of I-Scheme Orientation Program for MSBTE Diploma Courses in progress

One day MSBTE sponsored program on "I Scheme Orientation" was organized by Government Polytechnic, Nashik on 19th June 2017. In all, about 100 faculty members from various Polytechnics of Nashik District participated in this program.

On this occasion, Prof. D. P. Nathe, Joint Director of Technical Education, Nashik Region & Principal, G. P. Nashik, presided the function. Prof. Nathe guided the participants on outcome based curricula. He also discussed about the role of teachers in implementation of the outcome based curriculum. Prof. M. V. Mankar, Asst. Secretary, RBTE Aurangabad, was present as Chief Guest. Mr. Mankar focused on the need and philosophy of 'I Scheme Curriculum'. During his address, he explained in detail about the Industrial training, the special feature of this new scheme. All students must have to complete it.

The experts involved in the I Scheme Curriculum, Prof. Ravindra Nafade, Prof. S.D. Rathod, Prof. S.B. Joshi and Prof. Sanjay Harip, were also present on dais on this occasion. These experts conducted the various sessions on topics related to I Scheme for diploma courses throughout the day.

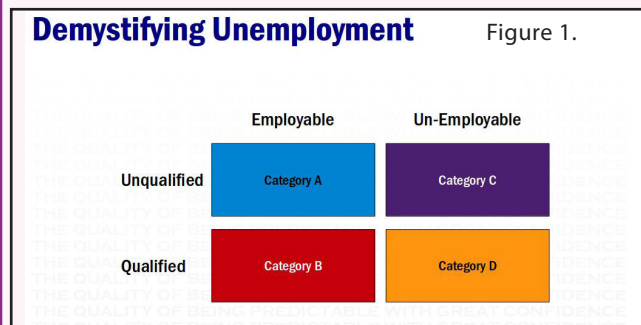
Transforming the Higher Education Landscape of Maharashtra



Nikhil S. Gurjar

Today's market has got a huge number of unemployed persons. As reported by many top businesses in the country, the problem in the country is not employment, but employability. Hence, the current situation demands a closer look into the unemployed persons in the country. These persons can be classified into 4 basic categories as shown in Figure 1. One needs to address different measures for each of the categories.

An Immediate Focus



At the outset, the indicators for the education policy need to be changed towards developing a comprehensive business model for managing the unemployment metrics using educational measures. This will be a multi-point reforms program targetting educational institutions and the unemployed youth alike. For instance, a person in Category A should be able to avail subsidized schemes to improve his qualifications and progress to better roles. Similarly, a person in Category B should be targetted to work on a sustained-development model by providing appropriate employment opportunities or by evaluating entrepreneurial opportunities. A person in Category D could be given educational opportunities on the basis of micro-credit schemes, and so on. These are fundamental changes at the policy level. MACCIA has been partnering with DTE in providing perspectives towards New Education Policy and State Level Execution

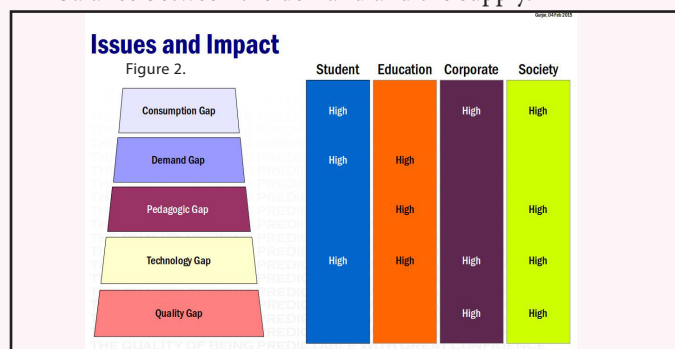
A Comprehensive Strategy

With such models, there need to be control measures in place to ensure that the educational institutions are aligned with the overall objective. This will call for an overall revamp of the structure of the educational system in the country.

Basically, there are 5 gaps that are crucial from a Technical Education / Higher Education perspective. The impact of the issues on the various stakeholder segments are identified and depicted in Figure 2. They are:

1. **Technology Gap:** This gap is typically the upgradation of new topics that is done in a typical curriculum. It involves the upgradation / revision of the syllabi, introduction of new courses, etc.
2. **Pedagogic Gap:** The pedagogic gap looks at new ways of teaching and learning courses. These are geared towards improving the effectiveness of the delivery of various programs that are conducted in the universities and colleges. They do not change the content, however, they do impact the mode of delivery (ex: digital media, lectures, virtual classrooms, workshops, role-plays, etc.)

3. **Demand Gap:** This gap looks at the number of students that require to undergo courses. Typical initiatives to address these gaps are the opening of colleges. For instance, MBA colleges have sprung across the country. The same is true for engineering and medical colleges. Here, the focus has been to leverage on the premium in terms of the fees that the student would be willing to pay.
4. **Consumption Gap:** In recent years, there has been an increasing awareness of the consumption gap in the education sector. Corporates have been reporting that the fundamental problem of the education sector was that the people coming out of the institutions were not employable. This led to an increased training expenditure at the corporates and it alsomled to the dilution of the value of qualifications.
5. **Quality Gap:** Most initiatives have been due to quality issues in the policy as well as the implementation. These gaps have affected the quality of educational institutions, the quality of the syllabi, the quality of the pedagogy and have disregarded the importance of maintaining a healthy balance between the demand and the supply.



Looking Beyond

Our involvement with DTE as members of MACCIA has been to work across these range of issues and ensure that the educational system is not just aligned, but also appropriate for the new economy. This includes a wide range of programs and interventions that are carried out at multiple levels using the faculties of Systems Thinking and Design Thinking. The "i-PRO Program: Stressing Success" has been one such measure that was successfully concluded with over 7000 students trained. We also conducted the faculty program at a few colleges.

In the next phase, we would need to ensure the sustainability of these changes by building entrepreneurial programs, industry interaction programs, certifications and practical internships for students. At the same time, ecosystem corrections would need to be addressed along similar lines where we would need to align parents, mentor teachers and institutions and, partner with universities to help a well rounded transformation.

These are challenging times and we are confident that students would look forward to the digitally transformed markets of the future with renewed intensity and skills to take India forward. MACCIA, along with DTE, would work towards this common objective over the years to come.

Nikhil S. Gurjar

Member,

Think Tank @ MACCIA

Events @ Government Institutes

Program on NBA Accreditation Process



Dr. Bhushankumar Sathe delivering the Process of NBA Accreditation as a Resource Person

Dr. Bhushankumar Sathe was invited to speak on Late Annasaheb D.W. Patil Memorial Staff Development Program titled “Relevance of NBA for Quality Education” at Nagaon Education Society’s Engineering College on 10th April 2017. The program was sponsored by College of Pharmacy and College of Engineering, Nagaon, Dhule. Shri. Manohar Bhadhane, Secretary, Nagaon Education Society, Smt. Sheetal M. Bhadhane, Dr. R.D Wagh, Principal, A.R.A College of Pharmacy, Dhule, Shri. G.P. Vadnere, Principal, Smt. S.S. Patil College of Pharmacy, Chopda, Dr. Vaidya, Principal, Engineering College were present for the sessions.

During the delivery of his lecture, Dr. Sathe started with SWOT Analysis followed by Part B, which contained all criteria of NBA from 1 to 9. During the session, How the Vision –Mission are framed, Program Educational Objectives formulated, Graduate Attributes, Designing of Program Outcomes and Course Outcomes were discussed in detail. Dr. Sathe also spoke on Input Output based Accreditation process and Input Output based Assessment. Mapping of PO’s with CO’s, Alignment of PO’s with Graduate Attributes, PO’s with PEO’s also covered.

Dr. Sathe also put light on course delivery method and generalized mapping of course delivery methods with PO’s. During discussion, light was thrown on Program Curriculum. Faculty Contribution was main focus point of the discussion i.e. Faculty interaction outside world, faculty participation in Faculty Development Programs as a resource person, faculty Research publication in Journal of repute with good impact factor etc.

Dr. Bhushankumar Sathe also discussed the Facility and Technical Support, Governance and Institutional support. He focused that NBA is not only the generation and maintaining the documents but how the system and process had to be defined, implemented and maintained. Dr. Sathe also added that NBA is not only continuous but continual process.

During his talk, Dr. G.P. Vadnere, Principal, Smt. S.S. Patil College of Pharmacy, Chopda, motivated the delegates towards the quality education approach as need of today and gave detailed information on Part A of the NBA SAR process. He was invited as a Resource person for this workshop on NBA Accreditation Process in a Staff Development Program.

Strategic Management & SWOT Analysis for Institute Excellence



Dr. Hemant P. Taskar, Principal Government Polytechnic, Jintur, participating in group activity during training

Government Polytechnic, Jintur, organized a five days ICT mode training program sponsored by NITTTR, Chandigarh on “Strategic Management and SWOT Analysis for Institute Excellence–ICT 13” for the faculties of Technical Education between 21st to 25th August 2017.

It was a national level training program and from Maharashtra State only two Government Polytechnics got an opportunity to become the part of this and among these two institutes, Government Polytechnic Jintur is one. There were eight nodal centers through out India to participate in this program.

The program got favorable response from various Polytechnics & Engineering institutions of the region. The training program was interdisciplinary, so forty faculties from different courses and different institutes participated for this training. It was fully interactive and informative program. The task based activities were performed by participants by forming groups during the training sessions.

This ICT Mode training program was organised under the guidance of Dr. Hemant P. Taskar, Principal, Government Polytechnic, Jintur and co-ordinated by Mr. Arvind K. Rathod, Lecturer in Computer Engineering, Government Polytechnic, Jintur.

Workshop on “Soft Generic Entrepreneurship Skill”



DTE-MACCIA organised a one day workshop on “Soft Generic Entrepreneurship Skill” for 180 students of K M Kudnani College of Pharmacy, Mumbai on 21st August 2017 as part of ‘Make in Maharashtra’ activity

CENTRE OF EXCELLENCE ESTABLISHED UNDER TEQIP II

Name of the Institute	Name of the Centre	Activities of Centre of Excellence
Veermata Jijabai Technology Institute, Mumbai	Complex & Nonlinear Dynamical Systems (CNDS)	<ul style="list-style-type: none"> This centre is working in the area of nonlinear dynamics with applications to smart grid, microgrid, pulse power & plasma dynamics, fluid & structural dynamics and vibration analysis. 12 workshops & 3-international workshops were conducted under FDP program in collaboration with IIT Bombay and IIT Madras.
College of Engineering, Pune	Signal and Image Processing	<ul style="list-style-type: none"> 07 FDPs, 03 SDPs in association with Industries/Corporate, 01 Winter Academy in association with Ostfalia University, Germany, organized since inception of the Centre. Initiated and Supported Project Symposium in S & IP domain for all Masters' students. Organized Pedagogical Workshops on "Signals & Systems" and "Wavelets" in association with IIT Bombay. Supported the S & IP tracks of 02 International Conferences at COEP (InCon-2015 and CAST-2016) Co-Host and Co-organizer of the International Conference on Signal & Image Processing-IconSIP-2016 at Nanded.
College of Engineering, Pune	Smart Renewable Energy Systems	<ul style="list-style-type: none"> 09 FDPs, 05 SDPs, in association with Industries/Corporate, 01 Winter Academy in association with Ostfalia University, Germany, 06 International Experts' Lectures, organized since inception of the Centre. Networked with 5 autonomous colleges Started industry mentorship program in association with "Eklakshya Consultants" Hosting two national level conferences in the domain. Sponsored 2 national level conferences and workshops. One international work shop on "Energy" with Princetone University"
Institute of Chemical Technology, Mumbai	Process Intensification	<ul style="list-style-type: none"> Energy and energy: Experimental investigation is planned for a single stage VAM (Vapor absorption machine) at various operating conditions. Interfacial science: Micro-emulsions based on triglycerides were formulated, characterized and their phase behavior studied. The effect of different components and parameters on the microstructure of micro-emulsions and their structural inter relationship was studied. Such micro-emulsions can be employed in products like hair care conditioners. Heat Based Refrigeration Technology: ICT has developed a novel refrigeration technology named as 'Combo VAR-VCR Technology and it is a combination of Vapour Absorption Refrigeration (VAR) and Vapour Compression Refrigeration system (VCR).
Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded	Signal and Image Processing	<ul style="list-style-type: none"> State of the art Centre of Wxcellence in Signal and Image Processing is established in the area of 3024 sq ft. High end equipments procured to carry out research in thematic area. Seperate knowledge resource centre is established with reference books, text books and journal proceedings in thematic area of research Ultra- modern conference room with video conferencing facility is established Number of Resarch Scholars affiliated to CoE : Eight full time reaserach scholars are appointed in CoE. Seven full time research scholars from other schemes like QIP and Vishweshraya fellowship are also working in this Coe.Ninty six research scholars are part time. Increase in PG intake from 18 to 30 from 2015-16 academic year. 103 papers were published in refereed journals after establishing CoE.

BEST PRACTICES ADOPTED BY PARTICIPATING INSTITUTES

This section covers the 'Best Practices' adopted by various Participating Institutions of Maharashtra under TEQIP II

Sr.No.	Institute Name	Best Practices
1.	Government College of Engineering, Karad	<ul style="list-style-type: none"> Industry Advisory boards are constituted for all departments which suggest about industrial visit, industrial expert lectures, industry related curriculum and CSR also helps to improve placement. Evaluation by faculty by students and 360° feed back during Exit Interview, online student's feedback.
2.	Government College of Engineering, Jalgaon	<ul style="list-style-type: none"> Reforms as per institute autonomy proposal sanctioned UGC and NMU undertaken in compliance with state autonomy GR. All expected committees, Board of studies, APEC, Academic Council, BoG in place. Board of Society proposal submitted with State Government through DTE.
3.	Government College of Engineering, Chandrapur	<ul style="list-style-type: none"> Employability Enhancement Training Programs for students are arranged regularly. RFID cards are given to The students for cashless transaction.
4.	BVB's Sardar Patel College of Engineering, Mumbai	<ul style="list-style-type: none"> Efficient Administration System: Well defined organization structure with Chairman BOG, Principal, Vice-Principal, Deans and Heads of Department etc., Minimum resources utilized for maximum output (Faculty and Support Staff). Effective Academic System: Academic Calendar is displayed on website in the beginning and is strictly followed. System: Assessed answer Books with synoptic are shown to the students. Specific dates allotted for showing of answer books and followed scrupulously by all faculties. A Redressal Committee is formed by the Chairman of the committee to look into Malpractices / Unfair Means during examinations.
5.	College of Engineering, Pune	<ul style="list-style-type: none"> All the BoG members contributing at least 100 hours a year towards Institute's development without Conflict of Interest, in various sub-committees of the Board. Co-teaching with Industry personnel/IIT faculty for at least single in a Semester, in every department. Students Exchange Program effectively implemented for Autonomous Colleges in the State with Credit Transfer Scheme deployed for a Semester.
6.	Institute of Chemical Technology, Mumbai	<ul style="list-style-type: none"> Implementation of MIS with the objective of e-governance Choice Based Electives at UG and PG level Compulsory certificate course on Chemical safety and security for all masters students
7.	Veermata Jijabai Technology Institute, Mumbai	<ul style="list-style-type: none"> Multiple Electives with Open Electives Credit transfer from the elite Institute in India & abroad. Industry advisory Boards for each department Wednesday afternoon for students co curricular activities, III Programmes, Expert lectures.
8.	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded	<ul style="list-style-type: none"> Industry Advisory Panel is formed in every department. Monthly News letter Library facility ;Liberal learning, drop box, display of new arrival books Remote Sensing Application for Land Surface, Atmosphere and Ocean Studies by Department of Civil Engineering, SGGSIE&T, Nanded in Collaboration with NOAA-CREST, Centre, City College of City University of New York, New York(January 18-29, 2016) Foreign language (French ,Spanish and German) courses are available for students Institute offered open elective

BEST PRACTICES ADOPTED BY PARTICIPATING INSTITUTES (contd.)

Sr.No.	Institute Name	Best Practices
9.	Walchand College of Engineering, Sangli	<ul style="list-style-type: none"> Project based learning Internship program at UG & PG level Worldwide alumni network for current students mentoring ICT enabled teaching learning
10.	Government College of Engineering, Amravati	<ul style="list-style-type: none"> Academic Audit of Each Department by External Experts, Standard Report writing for PG and Research dissertation or thesis, Awarding best project /dissertation work
11.	Government College of Engineering, Aurangabad	<ul style="list-style-type: none"> PG colloquium Improved teaching learning process and implementing blended methods Deputing PG students to IITs and NITs for training on their dissertation work, conferences
12.	Dr. Babasaheb Ambedkar Technological University, Lonere	<ul style="list-style-type: none"> Research-oriented projects at BTech level. Final year students are attached to MTech/ PhD students for their projects. Induction program on “pedagogy” even for contract basis faculty e-governance: Online Attendance System/Online PhD admissions and monitoring
13.	GH Raison College of Engineering, Nagpur	<ul style="list-style-type: none"> Mandatory Internship: Six week internship including two weeks social Internship and Six Months industry internship & Field Project Choice based Credit System (CBCS), Credit Transfer Scheme (CTS) with VJTI Mumbai & COE Pune, PEER teaching iThenticate plagiarism check for all research publications of faculty/students, Ph.D. Pre submission seminar before experts from IITs/IISc/Universities, Pre-registration seminar, progress seminar and pre-submission seminar for PhD scholars, Ph.D colloquia
14.	Rajarambapu Institute of Technology, Sakhrule, Sangli	<ul style="list-style-type: none"> Quality Circle One Page Strategic Plan Mini Project for First year students
15.	Bharati Vidyapeeth University, College of Engineering, Pune	<ul style="list-style-type: none"> Saturday @ BV Institutionally Funded Research Program Employment Enhancement Program (EEP) Value added courses Technology implementation: a) Website, b) Corporate Mailing System, c) Corporate SMS alert, d) ERP Software, e) Online Feedback System f) Attendance Monitoring System
16.	Department of Technology, Shivaji University, Kolhapur	<ul style="list-style-type: none"> Branch wise test series Expert Lectures to guide students for career Software training programs and spoken tutorial projects Industry and society activities
17.	University Institute of Chemical Technology, NMU, Jalgaon	<ul style="list-style-type: none"> Capacity building among women students by organizing Gender sensitization programmes in collaboration with Women's Studies Center Digital English Language Lab established to improve communication skills, group discussion and phonetics etc. Faculty Development programs with Industry Support.