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Mr. Salil Randive Chinay Randive & Associate C/o. Piraymal Sons Pvt. Ltd. 1 st Floor, Army-Navy Building M.G.Road Near Kalaghoda Mumbai 400001.	Member
Superintendent Engineer, PWD Central Building, Pune-411001.	Member (Ex- officio)
Joint Director of Technical Education Shivajinagar, Pune, Maharashtra 411005	Member (Ex- officio)
Prof. B. G. Birajdar Professor Civil Engineering College of Engineering Pune Shivajinagar, Pune – 411005	Member Secretary

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Name	Designation
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Dr. M. R. Nandgaonkar	
Dr. Madhuri G Karnik	
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Dr. J. A. Kher	
Dr. J. W. Dadge	

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Mr. S. P. Dixit	
Dr. I. S. Mulla	
Mr. J. Ramanand	
Dr. Suresh Phadke	
Dr. Shrikant Lele	
Hitesh Giri	Student Members
Anand Sabne	
Tushar Vende	
Aditya Barve	

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Prof. B. N. Chaudhari	Deputy Director
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Prof. S. L. Patil	Dean Student Affairs
Prof. D. W. Pande	Dean R & D
Prof. R. R. Joshi	Dean Quality Assurance
Prof. M. J. Rathod	Dean Alumni & International Affairs

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Prof. S. S. Bhosale	Civil Engineering
Dr. (Mrs.) V. S. Inamdar	Computer Engineering & Information Technology
Prof. D. B. Talange	Electrical Engineering
Prof. (Mrs.) P. P. Rege	Electronics & Telecommunication Engineering
Dr. C. Y. Patil	Instrumentation & Control Engineering
Dr. K. V. Dalvi	Mathematics
Dr. C. M. Sewatkar	Mechanical Engineering
Prof. N. B. Dhokey	Metallurgy & Material Science
Dr. J. W. Dadge	Physics
Dr. Rajiv B.	Production Engineering & Industrial Mangement

Heads of other committees / centres	
Name	Designation
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Dr. S. A. Meshram	Corporate Relations Officer
Dr. U. M. Chaskar	Training & Placement Officer
Dr. Vibha Vyas	Chairman, Library Committee
Dr. P. R. Dhamangaonkar	Vice President, Gymkhana
Dr. S. S. Pardeshi	Vice President, Boat Club
Mr. S. S. Kumbhar	Incharge of Central Computing & Networking

Facilitators	
Name	Designation
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Mr. C. R. Bamble	Registrar
Mrs. Anisha Dhongade	Accounts Manager
Mr. P. C. Gholap	Accounts Officer
Mr. V. B. Gonte	Accounts Officer
Mrs. A. N. Deshpande	Asst. Physical Director

**ANNUAL REPORT BY THE DIRECTOR
GRADUATION CEREMONY OF THE ELEVENTH BATCH OF B. TECH. AND THIRTEENTH
BATCH OF M.TECH. GRADUATES
(YEAR 2016-17)**

Honourable Chairman, Board of Governors of the College of Engineering Pune, Dr. F. C. Kohli, distinguished Chief Guest, Vice Chancellor of Savitribai Phule Pune University, Dr. N. R. Karmalkar, Members of the Board of Governors, Members of Academic Senate, all the graduating students and their family members, faculty, staff, students, media persons, ladies and gentlemen, on behalf of COEP, I take this opportunity to welcome you all on the occasion of the 11th graduation ceremony at COEP.

Today, a total of 1105 students are being awarded passing certificates of which 817 are B. Tech. in 10 engineering disciplines, 288 are M. Tech. in 22 specializations. I congratulate all of them for their success and for making their parents and us feel proud.

I am glad to present before you a brief report for the academic year 2016-17. COEP has constantly been pursuing excellence in both academic as well as non-academic fronts, adhering to the commitment of the institute to develop technologically superior manpower with social concerns.

Continuing the legacy of being “BIG on Heritage” and “BOLD on Technology” in the country, over the last decade with the Vision of Board of Governors of COEP, our education system has evolved to reach and hold a unique position of pride in the technical education system in the country. This transformation for providing quality technological and scientific education and an environment conducive to new and path breaking research and development in frontier areas of engineering, technology and science with an excellent Governance model is not only acknowledged by the State Government but also by the Central Government. As a result, the Ministry of Human Resource Development, Govt. of India through their notification dated 16th December 2015, announced COEP as the Mentor Institute for the newly established Indian Institute of Information Technology (IIIT) Pune. We are also a Mentor Institute under the AICTE’s ‘Margadrashan’ programme for 10 Mentee Colleges and under TEQIP-Phase-III for 1 Institute namely GS Institute of Technology and Science- Indore-Madhya Pradesh.

The institute is acclaimed as one of the leading institutes of the country by various industry bodies such as NASSCOM, CII and FICCI and was ranked at the 24th position amongst top 100 engineering institutes as per the results of National Institutional Ranking Framework 2017. The Institute has been recognized along with all IITs by the HRD Ministry to execute “Unnat Bharat Abhiyaan” programme for the empowerment of villages by technology interventions.

The World Bank has recently announced to release a funding of Rs. 7 crore initially as the part of TEQIP Phase III Programme. The pursuit of technological excellence in a highly collaborative environment is the hallmark of COEP.

The launch of Swayam pico Satellite in space by ISRO on 22nd June 2016 has further strengthened the resolve of students to scale space heights and venture into future frontiers of unknown technologies. Such is the conviction and intellect of our students.

An elite institution of reckoning in the country today has influenced the lives of those that entered its portals. As of now, COEP has 13 academic departments and 2 Centers of excellence namely Signal and Image Processing and Smart Renewal Energy Systems supported by TEQIP. The Institute offers 10 Under-graduate courses in engineering and 24 Post-graduate courses in engineering, besides Ph.D. degree programmes in all the disciplines and One year PG Diploma courses in ERP and Additive Manufacturing. COEP has more than 4000 students enrolled to its various courses. COEP, today, has 245 regular faculty including Professor Emeritus of which 119 possess PhD degrees and many are working towards it. In addition there are 90 reputed experts from industry as Adjunct Faculty to cater to the needs of all our programmes. All the 9 eligible undergraduate and 17 post graduate programmes run by the institute have recently been accredited by the National Board of Accreditation in the new outcome based tier-I format earning the honour of being the only institute to have achieved this feat in India so far. Two new PG Programmes have been added w.e.f. AY 2016-17, one in Electrical Engineering department titled "Power Electronics, Machines and Drives" and the another in Computer Engineering department titled "Information Security". The nomenclature and curriculum of the three existing PG programs have been changed w.e.f. AY 2016-17.

All undergraduate, postgraduate and Ph.D. students get full opportunity to participate in co-curricular and extra-curricular activities leading to a holistic personality development. The faculty members of the Institute are encouraged to undertake sponsored research and industrial consultancy and always look forward to a healthy and productive interaction with the industry. Students and faculty are encouraged to make use of MOOCs and other online resources such as NPTEL, Coursera, Edx, PurdueNext, etc.

The year 2016-17 brought along with many accolades for the institutes and we are proud to mention some of the major awards and recognitions received by our students and faculty.

Awards and Recognitions won (by students)

- The college annual magazine "Antarya" won the "Best Magazine 2016 Award" given by Savitribai Phule Pune University on 15th August 2016.
- Students of COEP stood first at "InNerve 2k 2016", the national level Hackathon organized by Army Institute of Technology, Pune from 7th to 9th October 2016.
- Team Velociracers won the 1st Runner Up Award along with awards in 6 other categories at Efficacy 2016 held from 12th- 16th October 2016 for designing and fabricating their own hybrid tricycle.
- Students from COEP won Wipro Earthian 2016 Sustainability Competition held on 18th December, 2016.
- Team Octane stood over all 4th in Formula Bharat 2017 held in January, 2017.
- COEP students Aashish Tattikota and Soumyaditya Kar were awarded the third prize at Digimize 2017 (an event sponsored by Hitachi Consulting) on 30th January, 2017.

- COEP Team Nemesis had a roaring success at BAJA SAE held from 16th to 21st February, 2017 by winning the overall championship 2017.
- Team Roboclimb won the Silver award of INR 2.5 lakh at Sparkle 2017 held from 18th & 19th February, 2017.
- Team Robocon of COEP, for the first time has secured the 1st position at ABU National Robocon 2017 organised by MIT Academy of Engineering, Alandi and Doordarshan at Balewadi Sports Complex from 2nd to 4th March 2017. The team will now represent India at the Asia-Pacific Robot Contest, International Robocon 2017 to be held in Tokyo, Japan.
- Team Swayam was awarded the Gandhian Young Technological Innovation (GYTI) Award 2017 under the category of “Frugal Innovation on 5th March, 2017.
- Team Sunrisers was the 1st runners up at Asia-level competition called Electric Solar Vehicle Championship Professional 2017 held from 28th March to 2nd April, 2017.
- Team REVOLUTION was awarded the First prize of Rs. One Lakh for their Project, “Budget Decoded App under category Urban Governance”, Team EARTHIANS was awarded the First prize of Rs. One Lakh for their Project, “Integration of Transport System under category connecting dots: Mobility” and Mr. Yuvraj Jadhav, a student of M. Tech. Automotive Technology was awarded the Second Prize of Rs. Sixty thousand for his project under the category- Rural Education refinements at 'Transform Maharashtra' on 1st May, 2017.
- COEP students showed excellence in academics during the entire year 2016-17 by getting admissions to top universities in the US, the UK, Germany, etc.
- Many of our students have been figuring amongst the top rank holders in GATE, CAT, UPSC Administrative and Engineering Services Exams, to name a few.
- Vishal Saley stood 7th in GATE 2017 in Computer Engineering.
- Rankings at UPSC examination 2017: Vishwanjali Gaikwad-11th; Dinesh Gurav-160th; Kiran Khare -221th; Akash Yadav-346th; Mahesh Chaudhari – 423th; Santosh Sukhdeve-546th Shubham Thakare- 686th; Rohan Ghuge-736th; Dhiraj More- 756th ; Sarang Pofale - 892th; Manoj Mahajan- 903th ; Sumit Kumthe-962th; Rahul Raising- 947th; Shivam Dhamanikar- 968th; Dhammapal Khandagale-1020th; Sadanand Kasllu -724th and Preetam Turerao-1031th
- COEP’s Street Play Team has won at 14 of the 16 nationwide competitions in the last few years.
- Several start-ups by graduating students and present students have led to a culture of innovation and entrepreneurship on the campus with some of these startups winning awards at various national and international competitions.

- COEP start up Robolab Technologies was selected as one of the 25 fastest growing Tech-Companies by Insight Success Media and recognized as the “Best Startup” by Economic Times in 2017.

Honours for faculty

- Dr. P. R. Dhamanagonkar was awarded the Dronacharya Award for The Best Faculty Advisor at Efficycle 2016 for guiding the team Velociracers.
- Dr. Mukul Sutaone (Dean-Academics) and Dr. Sandeep Meshram (Corporate Relations Officer) were awarded at the hands of Chairman-AICTE Dr. Anil Sahasrabudhe; for being the Winner of Poster Presentation, “Meeting Challenges in Technology Education: COEP Case Study” at the 12th FICCI Higher Education Summit-2016 held from 10th -12th November, 2016.
- Dr. M. P. Khond was given the “Best Faculty award” by Savitribai Phule University on 29th January 2017 and by Cognizant on 25th May 2017.
- Dr. Mrs. Priti Rege received the SVC Aiyya Award on 27th May 2017.

Recognition to the Institute

- The institute was awarded the AICTE- CII Survey 2016 Award for the category of “Best Industry-Linked Engineering Institute in Electrical & Allied Engineering (Degree)” on 8th November, 2016.

Academic Reforms and Activities

- The institute was granted an extension of Autonomy from the year 2016 to 2022 by the University Grants Commission.
- The institute was granted an approval as a Research Centre by Savitribai Phule Pune University for the next five years from 2016 to 2021.
- The institute was granted funds at the tune of Rs. 5 crore for the construction of new library building by the Maharashtra Government.
- The UGC expert committee visited the institute from 16th to 17th June 2017 for conferment of a Deemed University Status to COEP.
- Academicians from IITS and other institutes of high repute were invited at every department of the college to conduct a gap analysis and academic audits.
- Experts from various industries were invited to co- teach in all the semesters by the respective departments.

Important Programmes and Events:

- The institute has more than 32 clubs and societies that organized more than 220 social, cultural, technical activities throughout the year.

- The 10th Annual Technical Festival, Mindspark was held from 23rd to 25th September 2016 with great savor and enthusiasm.
- For the first time, Impressions 2016: an Inter Collegiate Cultural Festival was organized on 10th & 11th December, 2016.
- The intercollegiate Sports Fest- Zest 2017 was held from 26th to 29th January 2017, raising sportsmanship culture at the institute
- The 89th Regatta was held on 26th March, 2017.
- The Annual social gathering was held from 28th to 29th March, 2017.
- The Ignited Innovators of India Programme of Social Entrepreneurship was conducted with a sponsorship from Eaton Corporation for the 6th year under which more than 250 socially relevant projects were undertaken by more than 50 colleges.
- Several colleges were invited to COEP for studying the good Governance Practices at COEP.
- A large number of eminent personalities namely Bharatratna Dr. C. N. R. Rao, Dr. Anil Awchat, Dr. Vijaya Wad, Prof. Robert H. Bishop, Prof. Leonid Fridman, Dr. Tom Lee, Prof. Mark Niedre, Prof. Desineni Naidu, Dr. Baba Kalyani, Dr. Anil Kakodkar, Dr. Srikumar Banerjee, Dr. Vijay Mohanan Pillai, Dr. Raghunath Mashelkar, Mr. Rahul Bajaj, Prof. Deepak Pathak, Shri. Praksh Javadekar, Honorable Minister of Human Resource Development, Government of India, Shri. Vinod Tawde, Honorable Minister for Higher and Technical Education, Government of Maharashtra, Mrs. Supriya Sule and many other visited the institute and interacted with students.
- Shri. Vinod Tawde, Honorable Minister for Higher and Technical Education, Government of Maharashtra released Rs. 50 Lakhs for the next satellite for which the students are working.

Major National and International Conferences / Workshops / Lectures organized:

- The institute was one amongst the 29 centres in the country to host the Smart India Hackathon 2017 grand finale during 1st- 2nd April 2017 which was one of the world's biggest open innovation models.
- 27 COEP faculty underwent a special Induction programme (Induction Phase I)- Pedagogy from 27th June to 8th July 2016 at COEP conducted by National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal
- Industry Academia Meet as part of the Inauguration of Silver Jubilee Celebration (Year 2016-17), of the Department of Computer Engineering & Information Technology at College of Engineering Pune was held on 20th August, 2016.

- The Department of Production Engineering and Industrial Management organized the 6th International and 27th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2016 from 16th to 18th December, 2016.
- The Department of Computer Engineering and Information Technology organized the IEEE International Conference on Computing, Analytics and Security Trends (CAST-2016) from 19th to 21st December, 2016.
- Indian Council of Chemists in collaboration with the Department of Applied Science, COEP and H. V. Desai College organized a National Conference in Chemistry and Allied Sciences from Thursday, 22nd December to Saturday, 24th December 2016 at COEP and H. V. Desai College.
- An Alumni Meet was organized by the Department of Computer Engineering and Information Technology as part of its Silver Jubilee Celebration on 24th December 2016. Dr. P. K. Sinha was the Chief Guest for the function.
- An Alumni Meet for the 1991 batch was organized on 25th December 2016 by the Alumni Association of COEP.
- The new Vision- Mission Statements were disseminated to the Stakeholders on 7th January, 2017.
- Several Seminars, Workshops and Faculty Development Programmes were conducted throughout the year under TEQIP-II.

Infrastructural Development

- The construction of proposed building of BHAU Institute of Innovation, Entrepreneurship and Leadership is completed.
- Several renovation works were undertaken such as smart renewable energy system lab at the Electrical Department, new canteen, new library building, etc.
- The Danfoss Refrigeration & Airconditioning (RAC) Laboratory donated (equipment worth Rs. 45 Lacs) by Danfoss Industries Pvt. Ltd. was inaugurated on 10th August, 2016.

Memorandums of Understanding (MOUs)

- A total of 11 MOUs with different Universities and organizations were signed during the academic year. Prominent among them being MOUs with 3DPLM Software Solutions Ltd., Schindler India Private Ltd., HSBC Software Development (India) Private Ltd., to name a few.

- These organizations have extended their support for conducting various academic, non- academic, research, internships, placement drives for students at COEP.

Training & Placement and Industry Interaction

- Students participated in summer internship and more than 250 B. Tech. students completed their internship in various industries. More than 50 M. Tech. students have joined for internship cum dissertation at various industries.
- B. Tech. and M. Tech. students participated in various competitions organized by Credit Suiss, KPIT, TCS, Wipro, Infosys, VMware, and won prizes.
- The placement season started on 10th August 2016, with some premium companies like D. E. Shaw, Arcesium, Bajaj Auto, Morgan Stanley, Raukten, Credit Suisse, ARAI, VM Ware, BMW, Amazon, Ebara Corporation. etc. visiting the institute. TCS/ INFOSYS/ COGNIZANT recruited 120 students (40 B. Tech. and 80 M. Tech.)
- 210 companies visited the campus and overall 85% of the B. Tech. students and 47% of the M. Tech. students were placed from the batch that graduated in June / July 2017. Maximum packages offered for these students were 29.00 Lakhs p.a. by Arcesium, 28.00 Lakhs p.a. by D.E. Shaw, 21 Lakhs p.a. by Ebara Corporation, 16.17 Lakhs p.a. by Morgan Stanley, 16 Lakhs p.a. by Infosys, 16 Lakhs p.a. by Deutsche Bank, 15 Lakhs p.a. by Amazon, 13 Lakhs p.a. by Citi Coporation and Goldman Sachs were among others.
- AMCAT assessment test was conducted for all the third year B Tech. and first year M. Tech. students.
- A special training was conducted for students lacking English and Communication skills. Mock sessions on communication, how to face interviews, soft skills, Cracking GDs were conducted by John Deere, Wipro, Infosys, Imagination Technology and Alumni of COEP.

College Ranking as per the Results of Various Surveys

Sr. No.	Name of the Survey	Ranking
1	Competitive Success Review- Global Human Resource Development Centre(CSR-GHRDC)	6 th amongst the top 11 Engineering Colleges of Super Excellence 1 st amongst the top 8 institutes in Maharashtra
2	Outlook MDRA	10 th amongst the top 100 Engineering Institutes
3	i3RC Times	11 th amongst the top 150 institutes
4	The Week Hansa Research Survey	23 rd amongst the top 125 Engineering Institutes
5	Data Quest Cyber Media Research & Services Ltd (DQ-CMR)	7 th amongst the top 100 institutes
6	Chronicle	A+++ grade

Some of the Future Plans of COEP

- Ensuring Top-of-the Class Physical Infrastructure, comparable to elite institutes (like IITs/IIMs) of the country.
- Building conducive environment for education, research, and innovation by
 - ✓ Strengthening 50 Existing UG/PG laboratories.
 - ✓ Establishing 8 New laboratories for New PG Courses.
 - ✓ Establishing Nano Machining and Smart Materials Center of Excellence.
 - ✓ Inducting full time Ph. D. programme and instituting 50 fellowships.
- Empowerment of the available human resource, and hunt for the world Class human resource, for accelerating the academic growth by...
 - ✓ Training Faculty and Staff
 - ✓ Inviting foreign faculty to stay for a semester or a year on sabbatical
 - ✓ Instituting the Professor Chairs of Excellence [1 per department]
 - ✓ Handholding 50 good engineering colleges in India to excel like COEP

In a nutshell, COEP is progressing steadily towards its goal to excel amongst the community of engineering colleges and become a full fledged university and gain the status of national importance in the field of engineering education through dedicated efforts of its faculty, staff, students and the valuable guidance from the Board of Governors.

Thank you.
Jai Hind and Jai Maharashtra
The Director
College of Engineering Pune

PROGRAMMES OFFERED➤ **Undergraduate Programmes Offered**

Sr. No.	Faculty / Department	Sanctioned Intake	Actual Admitted *
1	Civil Engineering	60	71
2	Planning	60	58
3	Mechanical Engineering	120	147
4	Electrical Engineering	60	69
5	Electronics & Telecommunication Engineering	60	74
6	Metallurgy and Materials Science	60	64
7	Instrumentation & Control Engineering	30	33
8	Computer Engineering	60	75
9	Information Technology	60	73
10	Production Engineering (Sandwich)	60	67
Total		630	731

* Includes Supernumerary seats.

➤ **Postgraduate Programmes Offered**

Department / Specializations		Sanctioned Intake	Actual admitted
Civil Engineering	Construction Management	18	18
	Structural Engineering	18	18
	Geo-Tech Engineering	18	18
	Town & Country planning	31	25
	Environment & Water Resource Engineering	18	18
Mechanical Engineering	Thermal Engineering	18	18
	Design Engineering	18	18
	Automotive Technology	36	36
Electrical Engineering	Embedded Control Systems	18	18
	Power Electronics and Power System	18	18
	Power Electronics Machines and Drives	24	24
Electronics & Telecommunication Engineering	Wired & Wireless Communication	18	18
	Signal Processing	18	18
	Digital System	18	18
	VLSI & Embedded Systems	18	18
Metallurgy and Materials Science	Materials Engineering	18	17
	Process Metallurgy	18	18
Instrumentation & Control Engineering	Bio-Medical Instrumentation	18	17
	Process Instrumentation	18	17
Computer Engineering	Computers	18	18
	Information Security	24	24
Production Engineering	Manufacturing Automation	18	17
	Mechatronics	18	18
	Project Management	18	18
Total		475	465

Ph. D Programmes Offered

Sr. No.	Department	Ongoing Students
1	Applied Science	9
2	Civil Engineering / Planning	47
3	Mechanical Engineering	64
4	Electrical Engineering	29
5	Electronics & Telecommunication Engineering	72
6	Metallurgy and Materials Science	21
7	Instrumentation & Control Engineering	19
8	Computer Engineering / Information Technology	17
9	Production Engineering	24
10	Mathematics	1
Total		303

- One year Full time post graduate diploma programmes in ERP and Additive Manufacturing are offered by the Department of Production Engineering and Industrial Mangement.

DETAILS OF THE CONTRIBUTED TALKS BY THE FACULTY

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
Department of Civil Engineering					
1	Application of Biotechnology in environment(2C)	10 /07/2016	R.P.Thanedar	Faculty, Student	Institute of Bioinformatics and Biotechnology, SPPU Pune
2	" GIS and Remote Sensing Applications in Civil Engineering",	17/12/2016	Nitin M. Mohite	Faculty, Student, Industry	Zeal Educational Societies, COE
3	Open channel Hydraulics and Manning's formula'	26/09/2016	A. D. Thube	Officers of Public Works Department	Maharashtra Engineering Training Academy (META) Nasik
4	Advances in Structural health Monitoring, NDT, Audit and Strengthening technologies in Civil and Aerospace Structures"	2/01/2017-7/01/2017	B.M.Dawari,	Faculty, Student	Walchand College of Engineering, Sangli
5	"Experimental Case Studies of Damage Detection in RC Beams",	4/01/2017	V. B. Dawari	Faculty, Student	Walchand College of Engineering, Sangli
6	"Monitoring needs-inter basinflow transfer".	11/02/2017	Nitin M. Mohite	Faculty, Student, Industry	Central Water & Power Research Station CWPRS, Khadakwasla, Pune
7	Technical Aspects of on Farm Water Conservation	14/02/2017	A. D. Thube	Faculty , students and Industry people	SCSM College of Engineering, Ahmednagar
8	"Plumbing Engineering a New Concept for Smart Cities in India"	15/04/2017	Nitin M. Mohite	Faculty, Student	Pillat Hoc College of Engineering & Technology, Rasaani, Mumbai,

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
Department of Mechanical Engineering					
9	Invited talk on “ Green Building”	08/08/2016	Dr. S. N. Sapali	Faculty/ Students	Bheemanna Khandre Institute of Techology
10	Keynote Speech during the inaugural function of “ Virtual Lab Setup for Refrigeration and Air Conditioning”	08/09/2016	Dr. S. N. Sapali	Faculty/ Students	MMCOE , Pune
11	Orientation lecture for Avishakar	28/09/2016	P. R. Dhamangaonkar	Studnets	ASSMSCOE, Pune
12	World Class Manufacturing	29/09/ 2016	M. P. Khond	Faculty	Govt. College of Engineering, Amaravati
13	“ Robot and Recent Trend in Robotic Sciences ”	05/10/2016	S. S. Ohol	Faculty / Studnets	Pimpri-Chinchwad Science Park, Chinchwad
14	Orientation lecture for Avishakar	12/10/2016	P. R. Dhamangaonkar	Studnets	VIIT, Kondhawa
15	“Robotics and Recent Trend in Robotics”	26/11/2016	S. S. Ohol	Students	Camp Education Society’s Junior College
16	" Advances in Manufacturing Processes"	7/12/2016	S. B. Patil	Faculty / Studnets	Dr. Daulatrao Aher College of Engineering, Karad
17	Expert lecture on fundamentals of CFD in one week STTP on CFD	07/12/2016	Dr. C. M. Sewatkar	Faculty/Stud ents	DY Patil College of Engineering Pune
18	'Recent Trends in Mechatronics	13/12/2016	S. S. Ohol	Faculty / Studnets	Pimpri Chinchwad College of Engineering & Research, Pune
19	“Robot & Latest Trends in Robotic Sciences.	13/12/2016	Dr. S. S. Ohol	Students	Pimpri Chinchwad College of Engineering
20	lecture on Ideation & Creativity	20/12/2016-22/12/2016	P. Kumar	Faculty / Studnets	SVER's College of Engineering, Pandharpur
21	"Gas Turbine & Aviation Engines Technology"	22/12/2016	P. R. Dhamangaonkar	Studnets	MIT Polytechnic, Pune
22	Compliant mechanism	27/12/2016	S. S. Pardeshi	Faculty	D. Y. Patil COE Lohgaon

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
23	"Robotics and Recent Trends in Robotic Sciences"	14/01/2017	S. S. Ohol	Students	International University Centre for Astronomy and Astrophysics, Pune
24	Expert lecture on external flow	23/01/2017	Dr. C. M. Sewatkar	Students	Zeal Education Society College of Engineering Pune
25	Mechatronics Innovations in Robotics"	04/03/2017	Dr. S. S. Ohol	Students	AISSMS College, Pune
26	Advanced Manufacturing Practices"	12/06/2017-16/06/ 2017	Dr. S. S. Ohol	Students	High Energy Materials Research Laboratory
Department of Electrical Engineering					
27	Getting started with LaTeX	10/11/2016	Meera Murali	Faculty and students	AISSMS College of Engineering.
28	Energy efficient motors and web based testing of machines	30/5/2017-3/06/2017	R. T. Ugale	Faculty	Electrical Engg. Dept. College of Engg. Pune
29	Permanent magnet machines and drives	11/01/2017-13/01/2017	R. T. Ugale	Student and Faculty, 40 nos.	Zeal College of Engg. and Research, Pune
30	Development of PM motors and Research at COEP	22/03/2017-23/03/2017	R. T. Ugale	National level research conclave (faculty, students 50 nos)	Electrical Engg. Dept. College of Engg. Pune
31	Power Electronics Applications in Power Systems	12/06/2017	V.N. Pande	Faculty	AISSMS Institute of Information Technology, Pune
32	Recent Trends of Power Electronics in Power Systems	17/06/2017	V.N. Pande	Faculty	N.B. Navale Sinhgad College of Engineering, Solapur

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
Department of Electronics & Telecommunication					
33	a) Asynchronous Communication, RS232C standard b) Synchronous Communication with I2C bus	5/07/2017 12/07/2017	P. P. Bartakke	Participants of TEQIP-FDP on "Embedded Product Design"	COEP
34	Signal Transforms: A Journey from Fourier to Wavelets	17/08/2016	M.S. Sutaone	Faculty & Students	V.I.T., Pune
35	Outcome Based Education	22/12/2016	M.S. Sutaone	Faculty	Govt. College of Engineering & Research, Awasari
36	Wavelet Transforms	19/05/2017	M.S. Sutaone	Faculty & Students	COEP
37	Wireless Sensor Network for IoT Applications	15/2/2017	Radhika D. Joshi	Faculty/ Students	COEP
38	Audio Beam Formation and Steering	3/06/2017	P. P. Bartakke	Participants of AICTE-STTP on "Select Topics in Signal Processing and Machine Intelligence with Hands on"	COEP
39	Text file compression using LZW technique	15/12/2016	P. P. Bartakke	Participants of STTP on "Image Processing and Computer Vision"	COEP
40	Image Data Mining	5/06/2017	P. P. Rege	Participants of STTP on "Data Mining :Research Avenues and Tools"	Sinhgad College of Engineering, Pune
41	"Game Theory in Cognitive Radio" in the "Workshop on"Software Defined Radio with Labview and USRP"	20/02/2017-24/02/ 2017.	R. A. Patil	Faculty and PG students.	Department of Electronics and Telecommunication , PICT, Pune.
42	Pattern Recognition	6/06/ 2017	P. P. Rege	Participants of STTP on "Image Processing and Computer Vision"	E & TC Dept. , CoE, Pune

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
Department of Metallurgy and Materials Science					
43	XIX National Seminar on Ferroelectrics and Dielectrics	19/12/2016 - 21/12/ 2016	K.R. Kambale	Students	Dept of Physics, Maulana Azad NIT, Bhopal
44	5th Bharatiya Vigyan Sammelan & Expo 2017	11/05/2017 - 14/05/ 2017	P.P.Deshpande	Faculty	Fergusson College, Pune
Department of Instrumentation and Control Engineering					
45	Sensors and Instrumentation	8/10/2016	R. P. Mudhalwadkar	Second Year Integrated M. Tech. Students	Institute of Bioinformatics and Biotechnology SPPU, Pune
46	Power Plant Instrumentation	31/01/ 2017	M. A. Khandekar	TY B. Tech. Students	D. Y. Patil College of Engineering, Akurdi, Pune
47	Analytical Instrumentation course	January 2017 to April 2016	R. P. Mudhalwadkar	M. Tech-Ph.D. Students	Department of Technology, SPPU, Pune
48	Instrumentation in Agriculture and food processing	17/03/2017	R. P. Mudhalwadkar	Final Year B. E. and M. E. Students	Cummins College of Engineering, Pune
49	FPGA Embedded System Virtual Lab	5/4/2016	D. N. Sonawane	Faculty and Students	Walchand Institute of Technology, Solapur
50	Embedded Systems for Robotics	18/02/2016	D. N. Sonawane	Faculty and Students	Dr. D. Y. Patil College of Engineering, Akurdi, Pune
51	FPGA Embedded System Virtual Lab	13/02/2016 - 14/02/2016	D. N. Sonawane	Students	VPM's Maharshree Parshuram College of Engineering, Velneshwar, Ratnagiri

Department of Computer Engineering & Information Technology					
52	Contextual Text Mining and NLP	28/09/2016	Yashodhara Haribhakta	Faculty and students	Cummins College of Engineering, Pune
53	Machine Learning Techniques	27/02/2017	Yashodhara Haribhakta	Faculty, students and industry people	Govt. College of Engineering Aurangabad
54	Cryptography	14/07/2016	V. K. Pachghare	Faculty and Students	MITA, Alandi
55	Intrusion Detection System	06/02/2017	V. K. Pachghare	Faculty and Students	MMCOE, Pune
56	Introduction to Number Theory	17/02/2017	V. K. Pachghare	Faculty	COEP, Pune
57	Firewall and IDS	12/03/2017	V. K. Pachghare	Faculty	COEP, Pune
58	Biometric Watermarking	14/12/2016	Vandana Inamdar	faculty, industry experts, research scholar	E&TC department, COEP, Pune
59	Secure Web Application Development	16/02/2017	D D Kshirsagar	Faculty, students and industry people	COEP, Pune
60	Semantic Web Security	12/03/2017	D D Kshirsagar	Faculty and Students	COEP, Pune
61	Recent Trends in Cyber Security	24/09/2016	D D Kshirsagar	Students	COEP, Pune
62	Data Analytics and R Programming, Invited 15 Sessions	17/03/2017	Jagannath Aghav	PGP (MBA's), Fellows (PhD's)	IIM-R New Delhi
63	Big Data Analytics	18/06/2016	Jagannath Aghav	Faculty	DST FDP Ashta Sangli
64	Preparation of CO-POs	10/01/2017	Jagannath Aghav	Faculty	COEP Pune
65	Importance of Outcome based education	30/05/2016	Jagannath Aghav	Faculty	Symbiosis Pune
66	Big Data and IoT	22/07/2016	Vahida Attar	Faculty, Students and industry people	MIT Academy of Engineering, Alandi, Pune
67	Advanced Data Analytics in Machine Learning	22/12/2016	Vahida Attar	Faculty, Students and industry people	Vishwakarma Institute of Technology, Pune

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
68	Advances in Machine Learning and Big Data	23/12/2016	Vahida Attar	Faculty, Students and industry people	International Institute of Information technology Pune
69	Deep Learning	03/03/2017	Vahida Attar	Faculty, Students and industry people	Government College of Engineering, Aurangabad
70	Clustering in Data Mining	12/04/2017	Vahida Attar	Students	MIT, Pune
71	Project Based Learning	30/12/2016	Sunil B. Mane	Kendriya Vidyalaya Teachers	Kendriya Vidyalaya, BEG, Pune
72	Cyber Security and its Trends	05/07/2017	Sunil B. Mane	Faculty members of Various colleges	Dr. B.A.M.U., Aurangabad
73	Advanced Phishing Techniques and Cyber Security	17/02/2017	Sunil B. Mane	Faculty and Students	COEP
74	Recent Trends in Cyber Security	10/03/2017	Sunil B. Mane	Faculty and Students	COEP
Department of Mathematics					
75	Graph Theory	6/06/2017	C. M. Deshpande	Faculty and research students from Computer and IT	Zeal Institute of engineering and Technology, Pune
76	Degree Sequences of Hypergraphs, Constructions for Self-Complementary and Almost Self-Complementary 3-uniform Hypergraphs	27/06/2017	C. M. Deshpande	Faculty and researchers from all over the world	Second Malta Conference in Graph Theory and Combinatorics at Malta.
77	Semigraphs	4/10/2016-5/10/2016	C. M. Deshpande	Faculty and research students	Department of Mathematics, NIT, Durgapur
78	Tutorial Sessions on Rings and Module Theory	28/11/2016-. 10/12/2016	J. T. Majithia	Research Students from all over India	Bhaskaracharya Pratisthana, Pune
79	Forbidden Minor Characterizations and Splitting of Binary Matroids	21/02/2017	K.V. Dalvi	Faculty	Dept of Mathematics, SPPU, Pune

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
80	Key note Lecture on "Case Studies and Applications of Automation Studio in Academia"	15/07/2016	S. M. Patil	Faculty/Students/ Industry	Sumant Moolgaonkar Auditorium, MCCIA Trade Tower, Senapati Bapat Road, Pune.
81	Delivered Expert lecture "Factor Influencing Product Design & Material"	18/7/2016	S. S. Anasane	Faculty/Students/ Industry	ARAI, Chakan, Pune
82	Expert Talk on Outcome Based Education	18/08/2016	Rajiv B.	Faculty	D. Y. Patil College of Engineering, Akurdi, Pune
83	Expert talk on "Preparation of Autonomy"	7/9/2016	B. B. Ahuja	Faculty	G H Raison Institute of Engineering & Technology, Wagholi
84	Talk on Industry Institute Interaction	18/11/2016	N. R. Rajhans	Faculty/Students/ Industry	SGSITS, Indore
85	Talk on Ergonomics	21 & 24/11/2016	N. R. Rajhans	Industry	ARAI, Chakan
86	Talk on "Niche Areas for Curriculum Consideration"	3/12/2016	B. B. Ahuja	Faculty/Students/ Industry	SANGAM 2 016, Hyderabad
87	Talk on "Teaching Learning Process"	15/12/2016	B. B. Ahuja	Faculty/Students/ Industry	Two days National Workshop on "Accreditation Process for Technical Institutions"
88	"Reliability based design and degraded analysis"	6/1/2017	M. D. Jayabhaye	Faculty/Students/ Industry	Dr. Daulatrao Aher College of Engineering, Karad

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
89	Talk on "Additive Manufacturing"	9/01/2017-10/01/2017	B. B. Ahuja	Faculty/Students/Industry	2nd Summit of ACMA Centre for Technology, at Hotel Westin
90	Talk on ""Additive Manufacturing""	20/1/2017	B. B. Ahuja	Faculty/Students/Industry	Seminar "Achieving Make-in-India Through Manufacturing Advancement" , AISSMS COE
91	"Introduction to Tribology and its importance",	23/01/2017	B. U. Sonawane	for B.Tech Students	Matoshri College of Engineering, Nanded
92	"Engineering Education- Theory Vs Application"	2/2/2017	B. B. Ahuja	Faculty/Students/Industry	Knowledgeexpo Conference on Higher Education, New Delhi
93	Talk at DD Sahaydri on "National Technology Day"	11/5/2017	N. R. Rajhans	All	DD Sahaydri, Worali, Mumbai
Department of Applied Science					
94	Awareness lectures for hygiene	October 2016 & March 2017	M K Ranjekar	for the villagers of the villages under Unnat Bharat program	All the Villages adopted under UBA
95	Expert talk at Vigyan katta on carbon footprint reduction, rain water harvesting, swayam a success story	March 2016 & January 2017	M Y Khaladkar	All	--
96	Delivered a webinar for engineering students organised by Integrated Technology Olympiad	22/10/2016	T. J. Kher	Students	COEP

Sr. No.	Name/title of the Lecture/ Talk	Date	Name of the faculty Speaker	Category of the Participants	Venue
97	Delivered lectures for engineering students on Stress mangement	24/01/2017 & 15/02/ 2017	T. J. Kher	Students	Sharada Shakti at VIT and Sinhagad Engg. College
98	Guest lecture on 'Time Management'	6/07/2016	A B Patil	Students	YASHADA, Pune
99	Guest lecture on 'Preparation for Technical Paper Presentation'	9/09/2016	A B Patil	Students	Currow Wadia Institute of Technology, Pune
100	Guest lecture on 'Soft Skills'	5 /10/2016	A B Patil	Students	Department of Electronics, Bharati Vidyapeeth / University's College of Engineering
101	Guest lecture on Soft Skills Development	15 /10/ 2016	A. B. Patil	Students	Department of Mathematics, Savitrabai Phule Pune University
102	Guest lecture on 'Strategies to Enhance Oral and Written Competence'	24/10/ 2017	A .B. Patil	Students	Anantrao Pawar College (Arts, Commerce & Science)
103	Guest lecture on 'How to Write a CV'	25 /10/ 2017	A. B. Patil	Students	Sinhagad College of Engineering Pune
104	Guest Lecture on 'Enriching Vocabulary through Communication'	30/1/2017	A .B. Patil	Students	Sanghvi Keshri College of Arts and Commerece, Chinchwad, Pune

MEMBERSHIPS TO SOCIETIES/ PROFESSIONAL BODIES

Name of Society/ Professional Body	Name of Faculty Member
Department of Civil Engineering	
Council of Architecture, India	A. S. Petkar
Institute of Town Planners, India	P. M. Raval S. G. Sonar A. S. Petkar A. D. Thube
Indian Institute of Architect	A. S. Petkar
Indian Society of Technical Education	S. R. Sathe N. B. Chaphalkar S. Mukhopadhyay P. M. Raval B. M. Dawari S. R. Pathak M. S. Randive G. S. Vyas H. K. Munot M. U. Khobragade I. P. Sonar R. P. Thanedar R. S. Dalvi S. A. Meshram S. D. Kulkarni S. N. Madhekar S. S. Bhosale Y. T. LomtePatil A. D. Thube Y. A. Kolekar A. S. Petkar
Indian Water Research Society	S. Mukhopadhyay S. A. Meshram S. G. Sonar
Indian Society of Hydraulics	S. R. Sathe S. Mukhopadhyay
Indian Association of Hydrologists,	A. D. Thube
Indian Society of Theoretical Applied Mechanics	S. Mukhopadhyay
Indian Society of Computational Mechanics	B. M. Dawari

Name of Society/ Professional Body	Name of Faculty Member
Institution of Smart structures and Materials, Bangalore	B. M. Dawari
International Water Association (IWA), London	P. M. Raval
Institution of Engineer	P. M. Raval S. R. Pathak H. K. Munot I. P. Sonar M. U. Khobragade S.N. Madhekar M. S. Randive S. G. Sonar S. S. Bhosale Mrs. A. D. Thube
Indian Society for Construction Materials and Structures (ISCMS), New Delhi, India	P. M. Raval
Indian Geotechnical Society	S. R. Pathak M. S. Randive S. S. Bhosale
Institution of Valuers	H. K. Munot
Member of International Tunnelling Association, 2003	M. S. Randive
Indian Roads Congress	M. S. Randive
	S. S. Bhosale
Association of Consulting Civil Engineers (India)	M. S. Randive
Indian Geological Congress	S. A. Meshram
Gondwana Geological Society	S. A. Meshram
Geological Association and Research Center. (Honorary)	S. A. Meshram
Indian Concrete Institute	M. S. Randive S. N. Madhekar
American Society of Civil Engineering (ASCE)	N. M. Mohite
International Association of Computer Science and Information Technology	N. M. Mohite
Indian Plumbing Association (IPA)	N. M. Mohite

Name of Society/ Professional Body	Name of Faculty Member
Indian Environmental Association Pune & India	R. P. Thanedar
Water Environment Federation U. S. A.	R. P. Thanedar
Institute of Urban Transport (India)	S. G. Sonar
Indian Society for Wind Engineering	S. G. Sonar
Alumni Association of COE	I. P. Sonar S. N. Madhekar A. D. Thube
Indian Society of Structural Engineers	S. N. Madhekar
Maharashtra India Chapter of ACI	S. N. Madhekar
Founder member, Ferrocement Society, Pune	S. N. Madhekar
Indian Association of Structural Rehabilitation	S. N. Madhekar
Regional Science Association, Calcutta	A. S. Petkar
Department of Mechanical Engineering	
IET / SAE	P R Dhamangaonkar
IET, ISTE	M G Karnik
MIE, M IC, ISTE	M R Nandgaonkar
Indian Society for Heat and Mass Transfer	C. M. Sewatkar
Department of Electrical Engineering	
IET, IEEE	D. B. Talange
IE, IEEE, IETE, ISTE	S. S. Dambhare
IET, ISTE, IE(I)	V. N. Pande
IET, IEED, IE(I), ISTE	A. A. Dharme
IET, IEEE, BMESI, ISTE, IETE, IEI	P. P. Rege
ISTE, IETE, ISTE	M. S. Sutaone
	A. M. Sapkal
	R. A. Patil
IETE	S. P. Mahajan
	R. D. Joshi
IEEE	V. V. Ingale
IET	S. P. Metkar
ISTE	V. N. More

Name of Society/ Professional Body	Name of Faculty Member
Department of Metallurgy & Materials Science	
Life member of "Powder Metallurgy Association of India (PMAI), Life member of "Society of Polymer Science" Pune chapter.	R. K. Goyal
Life member of The Indian Institute of Metals (IIM)	Kaustub Kambale
Life Member of "Materials Research Society of India (MRSI)" LM B849 Life Member of "Powder Metallurgy Association of India (PMAI)" LM-00156	Manisha Kulthe
Department of Mathematics	
Indian Mathematical Society	K. V. Dalvi R. P. More N. V. Shinde
Academy of Discrete Mathematics and Applications	K. V. Dalvi C. M. Deshpande R. P. More S. P. Kavishwar A. B. Dhere, A. M. Abhyankar N. V. Shinde, Y. M. Mahatekar, B. P. Athawale
Indian Society for Technical Education	K. V. Dalvi R. P. More N. V. Shinde
Department of Instrumentation & Control Engineering	
IEEE –Instrumentation and Measurement Society	S. L. Patil
	C. Y. Patil
	S. D. Agashe
	P. D. Shendge
	R.P. Mudhalwadkar
	M.A. Khandekar
	K. A. Bhole
	K. A. Ghodinde
	U. M. Chaskar
A. S. Deshpande	
The IET	S. L. Patil
	R. P. Mudhalwadkar
	U. M. Chaskar
	P. D. Shendge
	D. N. Sonawane

Name of Society/ Professional Body	Name of Faculty Member
Instrument Society of India	S. L. Patil
	C. Y. Patil
	S. D. Agashe
	P. D. Shendge
	R.P. Mudhalwadkar
	M.A. Khandekar
	K. A. Bhole
	K. A. Ghodinde
	U. M. Chaskar
Biomedical Engineering Society of India	S. L. Patil
	C. Y. Patil
	S. D. Agashe
	P. D. Shendge
	R. P. Mudhalwadkar
	U. M. Chaskar
	D. N. Sonawane
Department of Computer Engineering & Information Technology	
IEEE, IET, ISTE	Jibi Abraham
ACM, IEEE, CSTA, CSI, IETE, ISTE, IET, IIPA, IARCS, ISCA, Wiki-Chapter, ISCB	Jagannath Aghav
IEEE, CSI, ISTE, IE	V. Z. Attar
ISTE, IETE, AMIEE	Y.V. Haribhakta
BOS Member in Computer Engineering / Information Technology of a number of Autonomous Institutes.	Pachghare V. K
Life Member, CSI, Was a member of Database Systems Lab at IISc.	Abhijit A. M
Indian Society for Technical Education: Life Membership	S. K. Gaikwad
ISTE	Soma Ghosh
	S. N. Ghotkar
	V. M. Khadse.
	V. K. Khatavkar
	S. S. Kumbhar
	TanujaPattanshetti
CSTA, IACSIT, CSI, ISTE, IARCS, IAENG, ISCA, IAEST, ICST, ACM	D. D. Kshirsagar
IEEE, ISTE, Computer Society of India (CSI)	S. B. Mane

Name of Society/ Professional Body	Name of Faculty Member
Department of Production Engineering & Industrial Management	
I.MECH.E (UK) F	S. K. Basu
F. I E	B. B. Ahuja
Department of Physics	
Institution of Engineering and Technology (IET)	Shweta Chaure
	Jagdish Dadge
Department of Applied Science	
SAEST	J. A. Kher K. S. Suranje N. V. Iyer M. Y. Khaladkar
Children's'Future India, Pune chapter appointed as a expert on Local advisory board	Tanuja Kher
IET - UK	M. Y.Khaladkar J. A. Kher M. K.Ranjekar
Indian Institute of Metals , Calcutta Materials Research Society of India Instruments Society of India	J. A. Kher (Life Member)

NATIONAL/ INTERNATIONAL VISITS OF THE FACULTY

Name of the faculty	Name of the National /International Place Visited	Purpose	Date
Department of Civil Engineering			
V. Kakade	NIIT Bhopal	STTP	27 June-8 July 2016
M. U. Khobragade	National Institute of Technology Calicut	STTP	27 June-2 July 2016
	S.V. National Institute of Technology, Surat	STTP	26-30 September 2016
	IIT Kharakpur	STTP	6-10 March 2017
M.S. Ranadive	Shandong, China	International Conference	25-27 July 2016
	Koimatore	International Conference	2016
	IIT Roorkee	National Conference	2016
V. B. Dawari	IIT Bombay,	International Conference	2016
B. M. Dawari,	IIT Delhi.	International Conference	2016
	IIT Bombay	International Conference	2016
R. R. Joshi	IIT Delhi	International Conference	2016
I. P. Sonar	IIT Hyderabad	STTP	6-11 June 2016
	Bankok , Thailand	International Conference	13- 17 December 2016
R. P. Thanedar	GCOE Aurangabad	STTP	23 September 2016
	Sardar Vallabhbhai National Institute of Technology, Surat	STTP	17-21 October 2016
A.D. Thube	META Nashik	STTP	26 September 2016
	IIT Bhubaneswar	STTP	0-08 December 2016
	IIM Indore	STTP	02-08 February 2017
Nitin M. Mohite	ISH, Frankfurt, Germany	International Conference	2017
	Germany, Switzerland and Czech Republic	World Plumbing Scholarship	2017
Department of Mechanical Engineering			
D. W. Pande	Annapolis, Maryland US	International Conference	14-17 November 2016
	Dayanand Sagar University, Bangalore	Appointment on AICTE Expert Committee	9-10 February 2017
	IITBHU, Varanashi (U.P.)	National Conference	April 2017
	AICTE, New Delhi,	Committee member	12 May 2017

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
C. M. Sewatkar	IIT Bombay, Mumbai,	International Conference	27 June - 1 July 2016
	Allahabad, U.P., India	International Conference	15-17 December, 2016
	NIMS Jaipur	AICTE inspection for J & K Scholarship programme	19 October 2016
	JDIT, Yavatmal	STTP on Conceptual and Application oriented Studies on Heat Transfer and Fluid Mechanics	15 April 2017
M R Nandgaonkar	NIT, Warangal,	International Conference	23 - 25 February, 2017.
M P Khond,	Detroit Lawrence Tech Campus, USA	International Conference	24 September 2014
S. S. Pardeshi	Guwahati, India	International Conference	9-11 January 2017
P Kumar	Vadodara, India	International Conference	16-18 Jan 2017
N. K. Chougule	Banglore	Workshop	27 - 28 April 2017
N. D. Shikalgar	India Exposition Mart Ltd., Greater Noida,	Visit to ACREX-2017 (HVAC&R the industrial exhibition)	23 - 25 February 2017
P. R. Dhamangaokar	Shreeyash COE & T	Chairman, LIC Committee	9 February 2017
	Jawaharlal Nehru Engineering College	Chairman, LIC Committee	10 February 2017
S. N. Sapali	MMCOE, Pune	Chief Guest for Virtual RAC Laboratory	8 September 2016
	MMCOE, Pune	Judge for TechnoCHILL 2017	17 January 2017
	Modern Education Society's COE, Pune	Chief Guest for National Conference	15 March 2017
P. S Shinde	Bangkok, Thailand	International Conference	16-17 December 2016
Department of Electrical Engineering			
R. T. Ugale and D. B. Talange	IISc Bangalore	ProSIM Workshop	16-17 May 2017
R. T. Ugale	Danfoss, Chennai	Industrial interactions	19-20 June 2017
R. T. Ugale	Trivandrum	Paper presentation in IEEE PEDES Int. conference	13-17 December 2016

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
R. T. Ugale	Florence, Italy	Paper presentation in IECON 2016	23-27 October 2016
Pratap kumar Koppolu, Bhagyasri Tamhane	Nagarjuna Sagar Hydal Power plant, Hyderabad, Telangana	Industrial Visit	1-6 April 2017
V.N. Pande	IIM, Kozhikode	Management Capacity Enhancement Program	5-10 December 2016
S S Dambhare	Singapore	To present four papers in International conference (Tencon)	22-25 November, 2016
S S Dambhare	Nuremberg, Germany	Paper presentation and networking for ICPS 2017.	27-29 June 2017
S S Dambhare	Chicago, USA	Paper presentation and networking for ICPS 2017.	12-22 July 2017
S S Dambhare	IIT Bhubaneswar	To present three papers in National conference on Power Systems	19 - 21 December 2016
Trupti Hinge	Dallas, Texas, USA	Paper presentation in International Conference IEEE PES T&D 2016	2 -5 May 2016
Snehal Unde	Boston, MA, USA	Paper presentation at IEEE PESGM 2016	17-21 July 2016
Snehal Unde	MIT, Boston, MA	Visit to Laboratories and interaction with PhD Scholars	17-21 July 2016
Snehal Unde	Harvard University, Boston, MA	Visit to Laboratories and interaction with PhD Scholars	17-21 July 2016
Snehal Unde	IIT Delhi	Paper presentation at ICPS 2016	4-6 March 2016
Sunanda Ganegaonkar	Peoria Illinois, UK	COEP Baja team Car racing	10-11 June 2017
Department of Electronics and Telecommunication Engineering			
Prof. Mukul Sutaone	Tel Aviv University, and Inter-disciplinary Center (IDC)- Herzliya, Israel	Participation in the Conference organized by Sakal, "EduCon-2016"	26- 30 September 2016
	IIT Kharagpur	Participation in GIAN Course on VLSI Architectures for Signal Processing	26 -30 December 2016

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
P. P. Rege	Ahmedabad University	To review research candidates at Ahmedabad University	15 July 2016
	AICTE headquarters, Delhi	To attend meeting of AIB of Post Graduate Education and research in engineering and Technology	30 September 2016
	Ahmedabad University	To review research candidates at Ahmedabad University	11 January 2017
	AICTE headquarters, Delhi	To attend meeting of Sub-committee AIB of Post Graduate Education and research in engineering and Technology	27 February 2017
	Gujrat Technological University	To review research candidates	15 March 2017
	Nanyang Technological University, Singapore	To initiate interaction between COEP and NTU	2-7 April 2017
Rashmika Patole	IISc Bangalore	1 week AICTE sponsored short term course on 'Probability and Statistics for machine Learning.'	28 November-2 December 2016.
	Arlington VA, USA	International Conference on Audio Forensics	15 -17 June 2017
Deeplaxmi V. Niture	Singapore	International conference -TENCON 2016	22 -25November 2016
P. P. Bartakke	IIT, Kharagpur	Attending GIAN Course on "VLSI Architectures for Signal Processing and Machine Learning"	19-30 December 2016
	IIM, Udaypur	Attending TEQIP -MDP on "Management Capacity Enhancement Programme"	13-17 February 2017
R. A. Patil	C-DAC Pune	Subject Expert on Interview Panel	14-15 December. 2016
Varada Potnis Kulkarni	IIT Kanpur	Short term Course	21- 24 April 2017

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
Department of Metallurgy and Materials Science			
N. B. Dhokey	Germany	Presented Paper in European Powder Metallurgy World Congress-2016 Hamburg on "Recycling of mill scale for iron"	10–13 October 2016
S. P. Butee	Germany	Presented Paper in European Powder Metallurgy World Congress-2016 Hamburg on "Development of Near Net Shape Fe-Cu-C Sintered Powder Compacts Through Composition Control"	10–13 October 2016
P.P.Deshpande	State Polytechnic University, Institute of Energy and Transport Systems, Saint-Petersburg	Lecture on "Corrosion of Heat Engineering Equipment", POLYTECH, Peter the Great St. Petersburg, Visiting Lectures for 20 h	5 - 19 December 2016
Department of Mathematics			
C. M. Deshpande	Department of Mathematics, South Asian University, New Delhi, India.	International Conference on Current Trends in Graph Theory & Computations (CTGTC 16)	17 -19 September 2016
	National Institute of Technology, Durgapur, West Bengal, India.	Workshop on "Signed Graphs and Semi Graphs"(WSGSG-2016)	3 – 7 October 2016
	Birla Institute of Technology and Science Pilani, K K Birla Goa Campus	Workshop on "Teaching Strategies in Mathematics"	28-29 April 2017
	Department of Mathematics, University of Malta, Malta	Second Malta Conference in Graph Theory and Combinatorics 2MCGTC-2017	25-30 June 2017
R. P. More A. B. Dhere	Department of computer science, IIT Bombay	QIP on "Monte-Carlo Simulation of Complex Biological Systems"	13-17 June 2016
Y. M. Mahatekar	Department of Avionics, Thiruvananthapuram	National seminar on "Control system design-Fractional controller and its applications"	14 -16 December 2016
J. T. Majithia	CTARA cell, IIT Bombay.	Work to be done under Unnat Bharat Abhiyaan	16 November 2016
M. P. More	NIT Silchar, Assam	Workshop on Advances in Stability Analysis on Dynamical Systems	08 -12March 2017

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
Department of Instrumentation and Control Engineering			
Meera Khnadekar	Central Water and Power Research Station	National Workshop	14 June 2017
R. P. Mudhalwadkar	Barcelona, Spain	To attend International Conference on Sensors and Electronic Instrumental advances	21-24 September 2016
S.L. Patil	NTU Singapore	Explore the possibilities in following areas - 1. Research Collaboration 2. Faculty exchange 3. Student Internship	3-7 April 2017
D. N. Sonawane	Department of Chemical Engineering, University of Washington, Seattle	Invited as a Visiting Associate Professor	22May- 20 July, 2017
Department of Computer Engineering and Information Technology			
Vinod K. Pachghare	Tel Aviv, Israel	EDUCON Conference	26-30 September 2016
Vandana Inamdar	SGGS, Nanded	IconSIP conference	6-8 October 2017
Jagannath Aghav			
	DRIEMS Cuttack Bhubaneshwar, Odisha	Grant of Autonomy	6-8 November 2016
	India UK Tech Summit Taj New Delhi	AICTE-CII Conference	7-9 November 2016
	NITTTR Chandigarh	Accreditation	15-16 January 2017
	Stanford, UC Berkeley, Facebook, USA	Coursera, Collaboration	26May - 9June 2017
D D Kshirsagar	C-DAC PUNE	External expert on interview committee	5 September 2016
	C-DAC PUNE	External expert on interview committee	5 November 2016
	C-DAC PUNE	External expert on interview committee	20 April 2017
	C-DAC PUNE	External expert on interview committee	19 May 2017
	C-DAC PUNE	External expert on interview committee	15 June 2017
Vahida Attar	MIT Academy of Engineering, Alandi, Pune	Expert member for interview	24 May 2016
	PES's Modern College of Engineering, Pune	External Examiner for Dissertation stage II of ME Computer	21 September 2016

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
Vahida Attar	VIT University, Chennai	Doctoral Progress Seminar Evaluation	3 February 2017
	Savitribai Phule Pune University (SPPU)	PG Dissertation Examination	6 February 2017
	G. H. Rasoni College of Engineering and Management, Pune	Session Chair for SPCN, 2017	18 February 2017
	Marathwada Mitra Mandal's Institute of Technology (MMIT)	Session Chair for NCRTCT, 2017	30 March 2017
	Sipna College of Engineering and Technology, Amravati	Gap Ananlysis Process	14 April 2017
Sunil B Mane	Pimpri Chinchwad College of Engineering, Pune	Session Chair, ICCUBEA-2016	13 August 2016
	AISSMS's College of Engineering, Pune	Judge for National Level Technical Symposium	12 September 2016
	Dr. Babaseb Ambedkar Marathwada university, Aurangabad	PG Dissertation Examination	26 September 2016
	DRIEMS Cuttack Bhubaneshwar, Odisha	Grant of Autonomy	6-8 November 2016
	India UK Tech Summit Taj New Delhi	AICTE-CII Conference	7-9 November 2016
	Solapur University, Solapur	External Examiner for PhD Open Defence	5 December 2016
	NITTTR Chandigarh	Accreditation	15-16 January 2017
	Bharati Vidyapeeth's College of Engineering for Women, Pune	Judge for ProyectoEX 2017	3 March 2017
	MIT Academy of Engineering, Alandi, Pune	Academic Standing Committee Meeting	29 April 2017
Department of Production Engineering and Industrial Management			
B.B.Ahuja	International - Israel	12th Annual Sakal Educon Summit to be held at Israel	26-30 September 2016
Mr. S. U. Ghunage	International - Shenzen, China	To attend the 12th International Fab Lab Conference and Symposium	8-14 August 2016

Name of the faculty	Name of the National/ international Place visited	Purpose	Date
Rajiv B.	National - PSG College of Technology, Coimbatore	NBA Expert – PG Product Design	10-13 July 2016
	National -SGGS College of Engineering and Technology Nanded	Expert Member -Research Conclave	30-31 July 2016
	International - Singapore, Nanyang Technological University (NTU), Singapore	Visit of Deans/Heads of COEP to understand teaching learning process	1-8 April 2017
	National - Dr B R Amedkar NIT Jalandhar	NBA Expert –Industrial Production Engineering	12-14 May 2017
	National - PSG College of Technology, Coimbatore	NBA Expert – PG Product Design	10-13 July 2016
Department of Applied Science			
A.B. Patil	MIT Engineering College, organised by Shree Saraswati New English School	Judged the 20th Inter-school Debate Festival	29 September 2017
M. K. Ranjekar	Visit to the Villages adopted under Unnat Bharat Abhiyan	Conduct Awareness camps, surveys etc.	October 2016, March 2017
M. Y. Khaladkar	NIT Raipur	Delivered TEDx talk- Role of Mentor in long term interdisciplinary project	25 March 2017

CONFERENCES/ SEMINARS/ WORKSHOPS/ REFRESHER COURSES ATTENDED➤ **National Conferences Attended**

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
Department of Mechanical Engineering				
1	Symposium on International Automotive Technology (SIAT)	D W Pande	January 18-21 2017	ARAI, Pune India
2	COMET'17	D W Pande	April 2017	IITBHU, Varanashi (U.P.)
3	2 nd National Conference on Research & Development in Mechanical Engineering	S. N. Sapali, N. D. Shikalgar	09 -10 February 2017	Pune
4	2 ND NATIONAL CONFERENCE ON RESEARCH & DEVELOPMENT IN MECHANICAL ENGINEERING	S. N. Sapali	09 -10 February 2017	Pune
Department of Electrical Engineering				
5	Research Conclave	All faculty	24-25 March 2017	COEP
6	National Power Systems Conference NPSC-2016	Trupti P. Hinge, S. S. Dambhare, Prashant Gawande	19 - 21 December 2016	IIT Bhubaneswar
Department of Mathematics				
7	National Conference on discrete Mathematics	A.V.Shinde Dr. K.V. Dalvi	February - 2017	Dept of Maths, SPPU
7	National Conference of Pure & Applied Mathematics (NCPAM-2017)	All faculty (13) in the Dept	17-19 May 2017	Dept of Maths, College of Engg, Pune
Department of Applied Science				
9	National Conference in Chemistry and Allied Sciences	All faculty	22-24 December 2016	COEP

➤ **International Conference Attended**

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
Department of Civil Engineering				
1	4 th GeoChina 2016, Geotechnical Special Publication, ASCE	M.S. Ranadive	25-27 July, 2016	Shedong, China
2	GeoMEast 2017, (Springer Journal), Sustainable Civil Infrastructures,	M.S. Ranadive	Paper Accepted 15-19 July. 2017	Sharm El-Sheikh, Egypt
3	Association of Researchers In Construction Management (ARCOM) 32nd Conference and AGM	G.S.Vyas, Jha K. N. and Patel D. A.	5-7 September 2016.	Manchester U.K.
4	The Fifth International Symposium on Life -Cycle Civil Engineering, IALCCE2016,	G.S.Vyas, Jha K. N. and Patel D. A.	16- 19 October 2016.	Netherland
5	World Congress on Engineering & Applications held on and published in the Proceeding.	I. P. Sonar	16-17 December 2016.	Bangkok
Deapartment of Mechanical Engineering				
6	29th Space Simulation Conference,	D. W. Pande,	14-17 November 2016.	Annapolis, Maryland US
7	World congress on Engineering and Applications (WCEA-2016)	Prakash S Shinde	16-17 December 2016	Bangkok, Thailand
8	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)	V. K. Haribhakta, S B. Patil, S S. Pardeshi	16-20 Dec. 2016	CoEP, Pune
9	6th International and 43rd National Conf. on Fluid Mechanics and Fluid Power	C. M. Sewatkar	December 15-17, 2016,	Allahabad, U.P., India
10	6 th International and 43 rd National Conf. on Fluid Mechanics and Fluid Power	C. M. Sewatkar	December 15-17, 2016,	Allahabad, U.P., India

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
11	6th International and 43rd National Conf. on Fluid Mechanics and Fluid Power	C. M. Sewatkar	December 15-17, 2016,	Allahabad, U.P., India
12	6th International and 43rd National Conf. on Fluid Mechanics and Fluid Power	C. M. Sewatkar	December 15-17, 2016,	Allahabad, U.P., India
13	6th International and 43rd National Conf. on Fluid Mechanics and Fluid Power	C. M. Sewatkar	December 15-17, 2016,	Allahabad, U.P., India
14	Int. Conf. of Recent Advances in Mechanical Engineering,	C. M. Sewatkar	14-15 Oct 2016	Dehli, India,
15	ICCMS2016,	C. M. Sewatkar	June 27-July 1, 2016	IIT Bombay, Mumbai, India,
16	1st International and 18th ISME conference on Enabling Sustainable Development in Mechanical Engineering,	M R Nandgaonkar	23-25 February, 2017.	NIT, Warangal,
17	(AIMTDR2016)	Selmokar P. H Pardeshi S. S.,	16-20 Dec. 2016	CoEP, Pune
18	International conference on Material Manufacturing and Design Engineering	M.P.Khond	December20-21,2016	--
19	IEOM international Conference	M P Khond,	Sept 24, 2016.	Detroit Lawrence Tech Campus, USA
20	IEOM international	M P Khond,	Sept 24, 2016.	Detroit Lawrence Tech Campus, USA
21	(AIMTDR2016)	Mundra S.S., Pardeshi S.S.,	December 2016	COEP
22	(AIMTDR2016)	Bhavikatti S.S.	December 2016	COEP
23	International Conference on Research into Design	S. S. Pardeshi, B. B. Deshmukh	, 9-11 January,	Guwahati, India
24	World Congress on Engineering & applications	V. K. Tripathi,	16-17 Dec. 2016	Bangkok, Thailand

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
Department of Electrical Engineering				
25	IECON 2016	R.T.Ugale, Tushar Sambharam, B. N. Chaudhari, S. L. Pati	23rd – 27 th October 2016.	Florence, Italy
26	PEDES 2016	Priyanka Bastawade, B. N. Chaudhari ,R.T.Ugale, A Pramanik	13th – 17th December 2016	Trivendrum, India
27	PEDES 2016	R. T. Ugale and Kunal B. Chavhan	13th – 17th December 2016	Trivendrum, India
28	IEEE PESGM	Snehal Unde, Sanjay Dambhare	July 2016	oston, MA, USA
29	NPSC 2016	Snehal Unde, Sanjay Dambhare	August 2016	IIT Bhubaneshwar
30	TENCON 2016	Indrajeet Bhavar, Snehal Unde, Sanjay Dambhare	Nov 2016	Singapore
31	7th PIICON 2016	Pallavi Bharti, Apurva Dehankar, Shalvi Raut , Snehal Unde, Sanjay Dambhare	Nov 2016	Bikaner, Rajasthan
32	7th PIICON 2016	Vaishnavi Phadke, Swara da Pathradkar, Akshata Rajput, Snehal Unde, Sanjay Dambhar	Nov 2016	Bikaner, Rajasthan
33	ICPEICES,	Mrs. S. N. Chaphekar, Prashant Karad, Anjali A. Dharme	4-6th July2016	New Delhi,
34	ICACDOT	Swati Dadi, V. V. Khatavkar, Heramb Maydeo, A. A. Dharme	9-10 Sept. 2016	IIIT Pune
35	7th Power India International Conference	S.N.Chaphekar Himanshu S. Panandikar and Anjali A. Dharme	25th - 27th November 2017	Govt. College ofEngineering, Bikaner, Rajasthan
36	IEEE International Conference on Computing, Analytics and Security Trends	Prashant Karad, S. N. Chaphekar, Anjali A. Dharme	19-21 Dec.2016	COEP, Pune,

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
37	7th POWER INDIA International Conference, IEEE	Nikhil Chaudhari, Trupti Hinge, Sanjay Dambhare	Nov. 25-27, 2016	Govt. Engineering College Bikaner, Rajasthan
38	TENCON IEEE 2106	Nikhil Chaudhari, Trupti Hinge, Sanjay Dambhare	22-25 Nov., 2016	Singapore
39	IEEE Power and Energy Society General Meeting (PESGM)	Prashant Gawande, Sanjay Dambhare	2013	Vancouver, BC, Canada,
40	IEEE/PES Transmission and Distribution Conference and Exposition (T&D)	Prashant Gawande, Sanjay Dambhare	2016	Dallas, TX, USA,
41	IEEE 6th International Conference on Power Systems	Prashant Gawande, Sanjay Dambhare	2016	New Delhi, India
42	TENCON IEEE 2106	Prashant Gawande, Pallavi Bedekar, Vidyulata Joshi, Sanjay Dambhare	22-25 Nov. 2016	Singapore
43	13th International Conference on Development in Power System Protection 2016 (DPSP),	Prashant Gawande, Sanjay Dambhare	2016	Edinburgh, Scotland, UK, pg. 1-6
44	International Conference on Advanced Computing and Communication Systems (ICACCS -2017)	Rohan S. Kulkarni, D. B Talange	2017	Coimbatore, INDIA
45	International Conference on Advanced Computing and Communication Systems (ICACCS -2017)	Sudarshan L. Chavan, D. B. Talange	2017	Coimbatore, INDIA
46	International Conference. on Innovations in Power and Advanced Computing Technologies	Sudarshan L. Chavan, D. B. Talange	2017	VIT Vellore
47	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems	V.S.Rajguru, Rohit Rokade	4-6 July 2016	Delhi Technological University, Delhi
48	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems –ICPEICES 2016	V.S.Rajguru, Soham Karyakarte, Supriya Kawthekar, Vishnu Menon	4-6 July 2016	Delhi Technological University, Delhi

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
49	IEEE Conference ICPEICES	Meera Murali, Archana Gokhale, Amit Pande and Ekta Sharma	4-6 July 2016	Delhi Technological University, Delhi
50	IEEE Conference , PEDES 2016	Akshay Nirgude, Meera Murali, Swanand Kulkarni, Shubham R Patel	2016	Trivendrum, India
51	IEEE Conference PIICON, 2016	Swapnil Mahajan, Meera Murali, Tushar Mali	25-27 November 2016	--
52	IEEE Conference ICECCT, 2017	Rutuja Bajaja, Jeet Panchal , Meera Murali	22-24 February, 2017	Delhi Technological University, Delhi
Department of Electronics & Telecommunication Engineering				
53	International conference on Signal and Information Processing	S.P.Metkar	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
54	International conference on Signal and Information Processing	P.P.Rege	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
55	International conference on Signal and Information Processing	M.S.Sutaone	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
56	International conference on Signal and Information Processing	P.P.Bartakke	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
57	International conference on Signal and Information Processing	S.P.Mahajan	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
58	International conference on Signal and Information Processing	R.A.Patil	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
59	International conference on Signal and Information Processing	V.S.Vyas	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded
60	International conference on Signal and Information Processing	Sushma D.Shelke	6 October to 8 October 2016	SGGS Institute of Engineering & Technology, Nanded

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
61	International Conference on Internet of Things and Applications	R.D.Joshi	22-24 January 2016	MIT,Pune and Hotel Le Meridien,Pune
62	International Conference on Signal and Information Processing	R.D.Joshi	6-8 October 2016	SGGS Institute of Engineering & Technology,Nanded
63	International conference on Signal and Information Processing	S.P.Mohani	6 October to 8 October 2016	SGGS Institute of Engineering & Technology,Nanded
Department of Metallurgy and Materials Science				
64	International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectrics	K.R. Kambale	7-11 November 2016	University of Delhi
65	International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM-2017), organized by Centre for Materials for Electronics Technology	R K Goyal	March 8-9 2017 (2 days)	C-MET, Pune
66	International conference on Ceramics, Glass and Refractories - Emerging Innovations	S. P. Butee	13-15 December 2016,	IICT, Hyderabad, Telangana, India
67	Corrosion of Heat Engineering Equipment, POLYTECH, Peter the Great St. Petersburg, Visiting Lectures for 20 h	P.P. Deshpande	5 - 16 December 2016	StatePolytechnic University, Institute of Energy and Transport Systems, Saint-Petersburg,
68	NMD'16 "Metals, Materials and Manufacturing for a Self-Reliant India	S.T. Vagge	11-14 November16	BHU-IIT, Banaras
69	International conference on Powder Metallurgy and particulate Materials, PM 17	N B Dhokey	20-22 February 2017	New Delhi
70	International conference on Powder Metallurgy and particulate Materials, PM 17	V. Poddar	20-22 February 2017	New Delhi
71	European Powder Metallurgy World Congress-2016 Hamburg	S. P. Butee N. B. Dhokey	10-13 October 2016	Germany

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
Department of Computer Engineering & Information Technology				
72	ACM International Conference on "Advances in Information Communication Technology and Computing"	D D Kshirsagar	12-13 August 2016	Govt. Engineering College Bikaner
73	International Conference on Advances in Information Communication Technology & Computing ACM	Amit D Joshi	12-13 August 2016	Government Engineering College Bikaner
74	International Conference on Advances in Information Communication Technology & Computing ACM	Amit D Joshi	12-13 August 2016	Government Engineering College Bikaner
75	International Conference on Informatics and Analytics ACM	Amit D Joshi	25-26 August 2016	Pondicherry Engineering College
76	International Conference on Computing, Analytics and Security Trends (CAST) IEEE	Amit D Joshi	19-21 December 2016	College of Engineering Pune
77	IEEE International Conference on Computing, Analytics and Security Trends (CAST) IEEE	Amit D Joshi	19-21 December 2016	College of Engineering Pune
78	2nd International Conference on Communication and Signal Processing (ICCASP 2016) Atlantis Press	Amit D Joshi	26-27 December 2017	Dr. B. A. Technological University Lonere Raigad
79	2nd International Conference on Communication and Signal Processing (ICCASP 2016) Atlantis Press	Amit D Joshi	26-27 December 2017	Dr. B. A. Technological University Lonere Raigad
80	IEEE International Conference on Computing, Analytics and Security Trends (CAST) IEEE	Amit D Joshi	19-21 December 2016	College of Engineering Pune
81	ACM International Conference on Management of Data (COMAD 2017)	Jibi Abraham	8-10 March, 2017	IIT Madras, Chennai
Department of Production Engineering and Industrial Mangement				
82	International Conference on Modern Era Research In Mechanical Engineering-2016	S.U. Ghunage	29-30 th September 2016	RIT, Sakharale
83	International Conference on Modern Era Research In Mechanical Engineering-2016	M.D.Jaybhaye	29-30 th September 2016	RIT, Sakharale ,
84	International Conference on Materials, Manufacturing and Design	M. R. Dhanvijay	20 th and 21 st Decemb er, 2016.	BATU, Lonere

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
85	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	S.U. Ghunage	December 16 - 18, 2016	College of Engineering, Pune
86	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	M.D.Jaybhaye	December 16 - 18, 2016	College of Engineering, Pune
87	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	M. R. Dhanvijay	December 16 - 18, 2016	College of Engineering, Pune
88	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	B.B. Ahuja	December 16 - 18, 2016	College of Engineering, Pune
89	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	N.R.Rajhans	December 16 - 18, 2016	College of Engineering, Pune
90	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	A.V. Mulay	December 16 - 18, 2016	College of Engineering, Pune
91	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	B.U. Sonawane	December 16 - 18, 2016	College of Engineering, Pune
92	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	S.M. Patil	December 16 - 18, 2016	College of Engineering, Pune
93	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	S.K. Basu	December 16 - 18, 2016	College of Engineering, Pune

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
94	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	P.P. Chikate	December 16 - 18, 2016	College of Engineering, Pune
95	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	P.D. Pantawane	December 16 - 18, 2016	College of Engineering, Pune
96	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	S.S. Anasane	December 16 - 18, 2016	College of Engineering, Pune
97	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	Ravi Kant	December 16 - 18, 2016	College of Engineering, Pune
98	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	J.S. Karajagikar	December 16 - 18, 2016	College of Engineering, Pune
99	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	K.G. Patil	December 16 - 18, 2016	College of Engineering, Pune
100	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	H. Bagchi	December 16 - 18, 2016	College of Engineering, Pune
101	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	M.N. Shaikh	December 16 - 18, 2016	College of Engineering, Pune
102	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	B. Rajiv	December 16 - 18, 2016	College of Engineering, Pune

Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue
103	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective.	N.R. Rajhans	21-22 Oct 2016	Shri Ramdeobaba College of Engineering and Management , Nagpur
104	International Conference on Manufacturing Excellence 2017	N.R. Rajhans	3,4th March 2017	K.K.Wagh College of Engineering Nasik
Department of Mathematics				
105	ICDM-2016	C.M. Deshpande	9-11 June 2016	Siddhaganga institute of technology, Tumkur, Karnataka
106	CTGTC 16	C.M. Deshpande	17-19 September 2016	South ASIAN University, New Delhi
Department of Physics				
107	International Conference on Functional Oxides and Nanomaterials, ICFONM – 2016	Jagdish W.Dadge	11-13 th Nov 2016	Saurashtra University, Rajkot
108	2 nd INTERNATIONAL CONFERENCE ON SOLAR ENERGY PHOTOVOLTAIC PROCEEDING	Shweta Chaure	17-19 December 2016	KIIT University, Bhubneshwar
109	104 th INDIAN SCIENCE CONGRESS 2017	L. V. Bhandarkar	January 3-7, 2017	Shri Venkateshwara University, Tirupati
110	Conference on “Underground Excavations in Difficult Ground Conditions: Issues & Challenges”	A. S. Ramdasi, L. V. Bhandarkar and Dr. Y. A. Kolekar	27-28 April 2017,	New Delhi
111	International Conference on Functional Oxides and Nanomaterials, ICFONM – 2016	Rohini S. Chhatrala	11-13 th Nov 2016	Saurashtra University, Rajkot
112	International conference on Neutron Scattering (CNS 2016)	Rohini S. Chhatrala,	21-23 November 2016	BARC, Mumbai
113	All India Manufacturing Technology Design & Research Conference (AIMTDR 2016)	S. R. Patil	16-18 December, 2016	COEP

➤ **Refresher Course Attended**

Sr. No.	Type of refresher Course / Orientation	Name of the Faculty	Period of Course	Institute where deputed
Department of Civil Engineering				
1	Perpetual Pavement for Rural Roads: a Concept, A National Conference on Fifteen Years of PMGSY, Transportation Engineering Group	M. S. Ranadive	6-7 July. 2016	Civil Engineering Department, Indian Institute of Technology Roorkee, Roorkee-247667 (Uttarakhand)
Department of Mechanical Engineering				
2	Recent trends in cyber security	M P Khond	13-17 Feb. 2017	COEP
3	Six sigma	M P Khond	24-28 Feb 2017	COEP
4	Advances in Micro Manufacturing	M P Khond S V Wagh S S Pardeshi S B Patil P J Selmokar S S Mundra	9-13 March 2017	COEP
5	International Conference on Solar Cooker	P Kumar	16-18 Jan 2017	Vadodara, India
6	Winter School on Optimization and Optimization Control	N K Chougule	15-21 Dec 2016	COEP
7	6th International and 43rd National Conference on Fluid mechanics & fluid power (FMFP-2016)	C M Sewatkar	15-17 Dec 2016	Department of Applied Mechanics Motilal Nehru National Institute of technology Allahabad
8	2 Day workshop "Design Thinking" organized by organized by Avantika University, Ujain	N K Chougule	27-28 April 2017	Banglore
Department of Electronics and Telecommunication Engineering				
9	Recent Advancements in Short Range Wireless Communications	S. P. Mohani	11-15 July 2016	IIT Kharagpur
10	Management Capacity enhancement training	S P Mohani	12-16 2016	IIM Trichy
11	Technical paper discussion	S. G. Mali	20 August 2016	IIT, Powai, Bombay
12	Management Capacity enhancement training	R A Patil	23-29 August 2016	IIM Indore

Sr. No.	Type of refresher Course / Orientation	Name of the Faculty	Period of Course	Institute where deputed
13	Induction training phase -I	Swapnil G Mali	27 June to 8 July 2016	E&TC Dept COEP
14	Induction training phase -I	Pankaj P Tasgaonkar	27 June to 8 July 2016	E&TC Dept COEP
15	Induction training phase -I	Varda P Kulkarni	27 June to 8 July 2016	E&TC Dept COEP
16	Induction training phase -I	Vanita Agarawal	27 June to 8 July 2016	E&TC Dept COEP
17	Speech signal processing	Swapnil G Mali	21 to 26 November 2016	NIT,Warangal
18	Research scholar's conclave	Swapnil Gajanan Mali	24 March to 25 March 2017	E&TC Dept COEP
19	Management Capacity Enhancement Programme	Shrinivas P Mahajan	13 to 18 February 2017	IIM Udaipur
20	Management Capacity Enhancement Programme	Prashant P. Bartakke	13 to 18 February 2017	IIM Udaipur
21	Research scholar's conclave	Shrinivas P Mahajan	24 March to 25 March 2017	E&TC Dept COEP
22	Analysis and Implementation of Dielectric Resonator Antennas	Pankaj Tasgaonkar	21-26 November 2016	IIT, Kharagpur
23	Sustainable Developments in Indian Engineering Sector in Next Decade	Shilpa Metkar	15-16 October 2016	Institution of Engineers, Pune local centre
24	Probability and Statistics for Machine Learning	Rashmika Patole	28 November -2 December. 2016	IISc Bengaluru
25	Optimization and Optimal More	Vidya Nitin More	15-21 December, 2016	COEP
26	VLSI Architectures for Signal Processing and Machine learning	Prashant P. Bartakke	19-30 December, 2016	IIT, Kharagpur
27	Innovation, Entrepreneurship and Incubators	Vidya N. More	14-18 March, 2017	IIT, Bombay
28	Research scholar's conclave	Radhika Joshi	24- 25 March 2017	E&TC Dept COEP

Sr. No.	Type of refresher Course / Orientation	Name of the Faculty	Period of Course	Institute where deputed
Department of Mathematics				
29	Signed Graphs and Semi Graphs "(WSGSG-2016)	C. M. Deshpande	3-7 October 2016	National Institute of Technology, Durgapur, West Bengal, India
30	(COE-SRES) TEQIP-II on 'Computational Fluid Dynamics for beginners	R.P. More & A. B. Dhere	6-10 June 2016	Department of Mechanical Engg. COEP
31	Monte-Carlo Simulation of Complex Biological Systems	R.P. More & A. B. Dhere	13-17 June 2016	IITB
32	One week QIP sponsored by AICTE on 'SIX SIGMA'	R.P. More & A. B. Dhere	24-28 February 2017.	Department of Production Engineering COEP
33	FDP under TEQIP II on 'Wavelet Transforms and its applications	S. P. Kavishwar	27 June-08 July 2016.	Dept of Instrumentation and Control, COEP
34	One week course on LaTeX for Professional writing	A.B. Dhere	22-26 June 2016	Electrical department, COEP
35	the IIST-DST sponsored three days national seminar on 'Control system design – Fractional controller and its applications	Y. M. Mahatekar	14-16 Dec 2016	Department of Avionics, Thiruvananthapuram
36	One day Western Region Workshop	J. T. Majithia	16 th Nov 2016	CTARA Cell of IIT Bombay
37	workshop on Computational Maths with Sage	Meena More	23-24 Sept 2016	Department of Mathematics, Institute of Chemical Technology, Mumbai
38	one week National workshop on Advances in Stability Analysis on Dynamical Systems	Meena More	08-12 March 2017	NIT Silchar, Assam
Department of Physics				
39	Fundamentals of Fluid power devices and applications	S.R.Patil	10 to 16 June 2016	TEQIP II, COEP, Mechanical Dept.
40	Fundamentals of Fluid power devices and applications	Neelima A. Patil	10 to 16 June 2016	TEQIP II, COEP, Mechanical Dept.
41	Fundamentals of Fluid power devices and applications	J.W.Dadge	10 to 16 June 2016	TEQIP II, COEP, Mechanical Dept.

Sr. No.	Type of refresher Course / Orientation	Name of the Faculty	Period of Course	Institute where deputed
42	Fundamentals of Fluid power devices and applications	Shweta Chaure	10 to 16 June 2016	TEQIP II, COEP, Mechanical Dept.
43	Fundamentals of Fluid power devices and applications	Yatin Pitkar	10 to 16 June 2016	TEQIP II, COEP, Mechanical Dept.
44	Fundamentals of Fluid power devices and applications	R. S. Chhatrala	10 to 16 June 2016	TEQIP II, COEP, Mechanical Dept.
45	Induction Training Programme Phase-1	R. S. Chhatrala	27 June to 8 July 2016	NITTTR Bhopal organized at E&TC Department College of Engineering Pune
46	Induction Training Programme Phase-1	Shweta Chaure	27 June to 8 July 2016	NITTTR Bhopal organized at E&TC Department College of Engineering Pune
47	Characterization of Micro and Nano materials	Neelima A. Patil	20 to 24 march 2017	AICTE COEP
48	Characterization of Micro and Nano materials	J. W. Dadge	20 to 24 march 2017	AICTE COEP
49	Characterization of Micro and Nano materials	Shweta Chaure	20 to 24 march 2017	AICTE COEP
50	Characterization of Micro and Nano materials	Yatin Pitkar	20 to 24 march 2017	AICTE COEP
51	Characterization of Micro and Nano materials	R. S. Chhatrala	20 to 24 march 2017	AICTE COEP
52	Cyber security	S. R. Patil	20 to 24 march 2017	COEP

➤ **Workshops Attended**

Sr. No.	Title of the Workshop	Name of the Faculty	Period	Venue
Department of Electrical Engineering				
1	Advances in energy storage devices	Meera Murali	28 November-December 2016	PVG COEP Pune
2	Internet of Things	Meera Murali	15-19 February 2017	COEP
3	“Frictional-order Modeling, Control and Application”	V. B. Bhole	29 February - 4March 2016	COEP
4	“Frictional-order Modeling, Control and Application”	Suhas M. Kakade	29 February - 4March 2016	COEP
5	“Frictional-order Modeling, Control and Application”	Pratap Kumar Koppolu	29 February - 4March 2016	COEP
6	“Frictional-order Modeling, Control and Application”	U.M.Mate	29 February - 4March 2016	COEP
7	“Frictional-order Modeling, Control and Application”	A. V. Tare	29 February - 4March 2016	COEP
8	UPS Technology and Battery Maintainace	D. B. Talange	19 September 2016	COEP
9	Digital Signal Processing	S. V. Unde	2-6 November 2016	IIT Bombay
10	Advances in energy storage devices	A. A. Dharme, S. P. Ganegaonkar	28 November- 2 December 2016	PVG COEP PUnе
11	Smart Grid operation in power sector	A. A. Dharme	20- 22 September 2016	BVPCOE Pune
12	Management Capacity Enhancement Program	V.N. Pande	5 – 10 December 2016	IIM Kozikode, Kerala, India
Department of Electronics and Telecommunication Engineering				
13	IEEE Author workshop : How to publish a Technical paper	Deeplakshmi Niture	4 October 2016	COEP
14	New Product Design and Development	R. D.Joshi	14-16 October 2016	COEP
15	CMOS,Mixed Signal and Radio Frequency VLSI Design	Pratibha Prashantrao Shingare	19-23 September 2016	IIT, Kharagpur
16	Good Governance	M. S. Sutaone	30 August 2016	India Habitat Centre, Delhi
Department of Metallurgy and Materials Science				
17	Quality Improvement Program on " Excellence in Maintenance Engineering	R K Goyal	1-6 March 2017	Production and Industrial Engg Dept., COEP,

Sr. No.	Title of the Workshop	Name of the Faculty	Period	Venue
18	Quality Improvement Program on " Excellence in Maintenance Engineering	Manisha Kulthe	1-6 March 2017	Production and Industrial Engg Dept., COEP,
19	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterization of Micro- and Nanomaterials	Vashali Poddar	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
20	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterization of Micro- and Nanomaterials	Manisha Kulthe	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
21	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterization of Micro- and Nanomaterials	Kaustubh Kamble	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
22	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterization of Micro- and Nanomaterials	P. G. Ranaware	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
23	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterization of Micro- and Nanomaterials	V. Thavale	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
24	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterization of Micro- and Nanomaterials	S U Dangarikar	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
25	Two days workshop on Advances in Steel Technology: Processing, Properties, Performance	All Faculty	24-25 March 2017	Metallurgy Dept., COEP, Pune
26	One Week GIAN Course: Slag Design in Metallurgical Processes	All Faculty	22-28 August 2016	Metallurgy Dept., COEP, Pune
Department of Instrumentation and Control Engineering				
27	(TEQIP) Faculty development program on LabVIEW for Engineers & Scientist	A. S. Deshpande	June 2016	TEQIP COEP

Sr. No.	Title of the Workshop	Name of the Faculty	Period	Venue
Department of Computer Engineering & Information Technology				
28	TEQIP-II Sponsored One Week Winter School on "Optimization and Optimal Control"	D D KShirsagar	15th December to 21st December 2016	COEP
29	TEQIP Sponsored One day Workshop on " Cyber Security Awareness"	D D KShirsagar	17th September 2016	COEP
30	AICTE (under QIP cell) Sponsored One week STTP on " Recent Trends in Cyber Security"	D D KShirsagar	13th Feb to 17th Feb 2017	COEP
31	TEQIP -II Sponsored One Week STTP on " Network System Administration and Security"	D D KShirsagar	March 8-12, 2017	COEP
32	TEQIP -II Sponsored One Week STTP on " Network System Administration and Security"	Jibi Abraham	March 8-12, 2017	COEP
33	E-Governance Life Cycle	Jibi Abraham	17-19 Oct 2016	Yashada, Pune
Department of Production Engineering & Industrial Management				
34	IITB-SPFU one week course on "Mechatronics: Fundamentals and hands on"	S. M. Patil	1-5 Feb 2017	Walchand College of Engineering, Sangli
35	IITB-SPFU one week course on "Mechatronics: Fundamentals and hands on"	M. R. Dhanvijay	1-5 Feb 2017	Walchand College of Engineering, Sangli
36	AICTE Sponsored one week STTP on "Six Sigma"	S.U. Ghunage	24-28th Feb 2017	COEP
37	AICTE Sponsored one week STTP on "Six Sigma"	B.U. Sonawane	24-28th Feb 2017	COEP
38	AICTE Sponsored one week STTP on "Six Sigma"	S.M. Patil	24-28th Feb 2017	COEP
39	AICTE Sponsored one week STTP on "Excellence in Maintenance Engineering"	M. N. Shaikh	1 st March 2017 to 6 th March 2017.	COEP
40	AICTE Sponsored one week STTP on "Excellence in Maintenance Engineering"	M.D. Jaybhaye	1-6 March 2017.	COEP

Sr. No.	Title of the Workshop	Name of the Faculty	Period	Venue
41	QIP Short Term Course on "Materials Tribology: Fundamentals and Recent Advances"	M.D. Jaybhaye	23-29 th March 2017	IIT BHU Varanasi.
42	AICTE Sponsored one week STTP on "Characterisation of Micro and Nano Materials"	S.U. Ghunage	20-24 th March 2017	Department of Metallurgy and Material Science COE, Pune
43	AICTE Sponsored one week STTP on "Characterisation of Micro and Nano Materials"	Rajiv B	20-24 th March 2017	Department of Metallurgy and Material Science COE, Pune
44	AICTE Sponsored one week STTP on "Characterisation of Micro and Nano Materials"	P.D. Pantawane	20-24 th March 2017	Department of Metallurgy and Material Science COE, Pune
45	AICTE Sponsored one week STTP on "Characterisation of Micro and Nano Materials"	S.S. Anasane	20-24 th March 2017	Department of Metallurgy and Material Science COE, Pune

➤ **Seminars Attended**

Sr. No.	Title of the Seminar	Name of the Faculty	Period	Venue
Department of Electrical Engineering				
1	Seminar on rotating Electrical Machines	R.T. Ugale, D.B. Talange	16 – 17 May 2017	IISC Bangalore, Bangalore.
Department of Metallurgy and Materials Science				
2	XIX National Seminar on Ferroelectrics and Dielectrics	K.R. Kambale	19-21 December 2016	Dept of Physics, Maulana Azad NIT, Bhopal
3	5th Bharatiya Vigyan Sammelan & Expo 2017	M. J. Rathod P. P. Deshpande	11 - 14 May 2017	Fergusson College, Pune

CONFERENCES/ SEMINARS/ WORKSHOPS/ REFRESHER COURSES ORGANIZED**➤ National Conference Organized**

Sr. No.	Title of the Conference	Period	Venue	Name of the Faculty Coordinator	No. of Participants
Department of Applied Science					
1.	National Conference in Chemistry and Allied Sciences	22-24 December 2016	COEP	J. A. Kher	90

➤ International Conference Organized

Sr. No.	Title of the Conference	Period	Name of the Faculty	Venue	No. of Participants
Department of Production Engineering & Industrial Management					
1	6 th International and 27 th All India Manufacturing Technology Design and Research Conference (AIMTDR2016), ISBN: 978-93-86256-27-0	16-18 December 2016	B. B. Ahuja	College of Engineering, Pune	800
Department of Computer Engineering and Information Technology					
2	International Conference on Computing, Analytics and Security Trends CAST-201	19– 21 December 2016	COEP	V S Inamdar	120

➤ Seminar Organized

Sr. No.	Title of the Seminar	Period	Venue	Name of the Faculty Coordinator	No. of Participants
Department of Mechanical Engineering					
1	Fundamentals of Fluid Power Devices and Its Applications	6 to 10 June 2016	COEP	M PKhond	58
2	CFD for Beginners	6 to 10 June 2016	COEP	C M Sewatkar	36
3	WorldClass manufacturing; Strategic Prospective	13 to 17 June 2016	COEP	M P Khond	56

4	Advances in Refrigeration and Sustainable Energy	28 November to 2 December 2016	COEP	S N Sapali	45
5	Energy Conservation in Air Conditioning	9 to 13 March 2017	COEP	S N Sapali	36
Department of Electrical Engineering					
6	Power System Operation with Distributed Generation	2-6 May 2016	COEP	V.N. Pande	34
7	Research Conclave	24-25 March 2017	COEP	B N Chaudhari, R.T. Ugale.	100
Department of Metallurgy and Materials Science					
8	Younger nitriding methods on trial: Decision criteria for or against plasma or gas nitriding from a modern perspective - Thomas Müller Director of R&D RÜBIG GmbH & Co KG, Wels, Austria	23 November 2016	COEP	N. B. Dhokey	30
9	Nanostructures in Metal/Metal Oxide Powders Processed by Spark Plasma Sintering - Prof. Subhash H. Risbud Blacutt – Underwood Distinguished Professor of Materials Science, Department of Materials Science and Engineering University of California at Davis	19 December 2016	COEP	N. B. Dhokey	35
10	Dr. ara Antia Memorial Lecture this year delivered by Professor HKDH (Harry) Bhadeshia, currently the Tata Steel Chair Professor of Metallurgy and Director of SKF Steel Technology Centre at the University of Cambridge, UK	20 March 2017	IIM and COEP	N. B. Dhokey	250

Sr. No.	Title of the Seminar	Duration	Venue	Name of the Faculty Coordinator	No. of Participants
11	Rare earths – A National prospective on economic growth, sustainability & security- Dr. R. N. Patra Former Chairman and Managing Director, Indian Rare Earths Ltd	7 April 2017	College of Engineering	Vilas Gunjal	45
12	Cracking in Metals - Professor D B Goel, Ex. Professor of IIT Roorkee	16 Jan 2017	College of Engineering	R. K. Goyal	85
13	Composites for Defense Applications Dr. Rahul Harshe (R & DE) Dighi, Pune	2 April 2017	College of Engineering	M. G. Kulthe	80
14	Superplasticity - Dr J.K.Chakravartty former Director, MSD, BARC	5-6 April 2017	College of Engineering	N. R. Anand	85
Department of Computer Engineering and Information Technology					
15	Cyber Security Awareness	17 September 2016	Mini Auditorium, Academic Complex Bldg.	Deepak D. Kshirsagar	40

➤ **Workshops Organized**

Sr. No.	Title of the Workshop	Period	Venue	Name of the Faculty	No. of Participants
Department of Civil Engineering					
1	GIS Application in Civil Engg.	30 August 2016	Dept. of Civil Engg.	N.M. Mohite	200
2	National Bridge Workshop	1-5 October 2016	Dept. of Civil Engg.	Y. A. Kolekar	98
3	Quality Control of RCC Work	17 October 2016	Dept. of Civil Engg.	N.A.Hedao	45
4	Global Innitativ of Academic Network Advanced Structural Dynamics	February 2017	Dept. of Civil Engg.	S. N. Madhekar	55

Sr. No.	Title of the Workshop	Period	Venue	Name of the Faculty	No. of Participants
5	Design of steel connections	1-3 March 2017	Dept. of Civil Engg.	S. N. Madhekar	76
6	Recent Trend in Flexible and Concrete Pavement Design & Construction	4 March 2017	Dept. of Civil Engg. COE	V.B. Kakade S.M. Navghare	120
7	Treatment of Waste; Issues, Challenges and Problem Solving	27-31/March 2017	Dept. of Civil Engg. COE	M. U. Khobragade	65
Department of Electronics and Telecommunication Engineering					
9	Project Symposium 2016	29 June 2016	E&TC Dept, COEP	Prashant P.Bartakke	165 from COEP, 60 from other Institution
10	Research Conclave	24-25 March 2017	E&TC Dept, COEP	Prashant P.Bartakke	300
11	Image Processing and Computer Vision	12 -16 December 2016	E&TC Dept, COEP	R.D.Joshi	32
12	CMOS, Mixed Signal and Radio Frequency VLSI Design	30 January 4 February 2017	E&TC Dept, COEP	Pratibha P. Shingare	10
13	Internet Of Things	15-19 February 2017	E&TC Dept, COEP	R.D.Joshi	25
Department of Computer Engineering and Information Technology					
14	Recent Trends in Cyber Security" (RTCS)	13-17 February, 2017	Dept of Comp& IT	V.K.Pachghare S.B.Mane	58
15	Network System Administration and Security (NSAS)	8-12 March, 2017	Dept of Comp& IT	Vinod K. Pachghare, Mr. Deepak D. Kshirsagar and S.S.Kumbhar	77
Department of Production Engineering and Industrial Mangement					
16	QIP on Six Sigma	22-28 February 2017	COEP	M.D. Jaybhaye	38
17	QIP on Excellence in Maintenance Engineering	1-6 March 2017	COEP	Rajiv B.	19
18	"Production, Project Management, Mechatronics (P ² M ²) Symposium 2017"	22 April 2017	COEP	DPEIM	53

PUBLICATIONS➤ **Research Paper Published in National Journals**

Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.
Civil Engineering		
“Effect of E-Waste Plastic as Aggregate Replacement on Marshall Mix Design of Dense Bituminous Macadam”,	Pakhare Jagjit Laxman and Bhosale Sukhanand Sopan	Journal of IRC “Indian Highways”, Vol. 45, No. 4, April 2017, pp 51 – 60.
Electrical Engineering		
Design and Development of Laboratory Model of Unified Power Flow Controller	Meera Murali, V.N.Pande, N.Gopalakrishnan	Annual Technical Volume of Electrical Engineering Division Board, Vol. 2, November 2016, pp 63- 71, ISBN No. 978-81-932567-2-5
Production Engineering and Industrial Management		
Implementation of six sigma methodology for productivity improvement	Dipti Morkar, N.R. Rajhans, Vinayak Angane	Industrial Engineering Journal, Vol IX, Issue 7, July 2016, p 23 to 31. ISSN 09702555
Forecasting of renewable Electricity Generation using Time-series forecasting methods	Tushar Prabhu, Ameya Pathak, N.R. Rajhans	Industrial Engineering Journal, Vol IX, Issue 8, Aug. 2016, p 42-46 ISSN 09702555
Effective Utilization of Manpower in Outside Services for Manufacturing Firm,	Ajinkya Jadhav, Dr. Mrs.N.R. Rajhans, Vinayak Angane,	Industrial Engineering Journal, Vol IX, Issue 9, Sept. 2016, p 43-47
K-means + clarke & wright algorithm for optimization of vehicle mounted drinking water purification units	Rajesh Dhake, Dr. Mrs. N.R. Rajhans & Nagesh Bhole	Industrial Engineering Journal, Vol X, Issue 1, Jan.2017, 42-46, ISSN 09702555.
Study of the behaviour of intermittent demands	Vicky B. Sardar, Dr. (Mrs.) Neela R Rajhans,	Industrial Engineering Journal, Vol. X & Issue No. 2, February - 2017 ISSN 09702555 p 35-39
Experimental Investigation On Al ₂ O ₃ Ceramics By Powder Mixed Electrochemical Discharge (Pm-Ecdm) Process	M. R. Dhanvijay, B. B. Ahuja	Manufacturing Technology Today (Published by CMTI, Bangalore) 10-17, Vol. 15, Issue 8, August 2016, ISSN:0972-7396
Measurement System Analysis of Outside Micrometer for Non-Standard Temperature Conditions	Zubair J. Palkar, V. A. Kulkarni, M. R. Dhanvijay	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162), Published in Volume 3 Issue 9 , September-2016
CO-PO Mapping and Attainment Booklet for Tier-II students with Rubrics Assessment	V.A. Kulkarni, B. B. Ahuja, M.R. Dhanvijay	Journal of Engineering Education Transformations, Volume 30 , No 3, January 2017, ISSN 2349-2473, eISSN 2394-1707

➤ **Research Paper Published in International Journals**

Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.
Mechanical Engineering		
Experimental Investigation of Optimum level of Reinforcements within 6061Al Alloy for better Tribological and Mechanical Properties	M. G. Kamik, Parshuram M Sonawane	Journal title: Materials Today: Proceedings 28-Apr-2017 DOI:10.1016/j.matpr.2017.02.215
Multiphase Flow Analysis of Hydrodynamic Journal Bearing using Coupled Field Fluid-Structure Interaction considering Cavitations	Dinesh Dhande, D W Pande	Journal of King saud University: Engineering of Elsevier, JKsUES-D-00085R1 Sep-16
Effects of tangential and radial velocity on fluid flow and heat transfer for flow through pipe with twisted tape insert'	Chaware Parag Sewatkar C.M.	Communicated to Heat and Mass Transfer (Springer), 2016
Flow around four side-by-side square cylinders placed in a channel	Shimpi Charudatta, Swapnil Awate and Sewatkar C. M.	Communicated to Journal of Fluid Mechanics (Cambridge University Press), 2016
Performance, Combustion and Emission Analysis of Compression Ignition Engine Fuelled with Blends of Tyre Pyrolysis Oil	Sanket Muley, M R Nandgaonkar	International Journal of Latest Trends in Engineering and Technology Vol.(7)Issue(4), November 2016, pp.311-317 http://dx.doi.org/10.21172/1.74.043 e-ISSN:2278-621X,
Experimental Investigation of Single Cylinder Diesel Engine Using Biodiesel Ethanol Blended Fuels	Jitendra Patil, Sanket Muley, M R Nandgaonkar	International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007 Certified, ISSN (Online) 2393-8021 ISSN (Print) 2394-1588 DOI 10.17148/IARJSET.2016.31206 Vol. 3, Issue 12, December 2016
"MATLAB Simulation and Validation of Fluid Properties in the Cross Flow Wet Cooling Tower"	Nandkumar Annarao Rawabawale, Shivalingappa Nagappa Sapali	Internatinonal Revie of Mechanical Engineering(IREME), Vol. 11 No.2, 2017
"Performance Evaluation of a Domestic Refrigerator with a Thermal Storage arrangement Using Propane as a Refrigerant"	Niyaj D Shikalgar, S. N. Sapali	ELSEVIER PUBLICATION, INTERNATIONAL JOURNAL ENERGY PROCEDIA 109 (2017) 34 – 39
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The role of yield stress on cracked thin panels of aluminium alloys repaired with a FRP patch	P. S. Shinde, V. K. Tripathi P. Kumar, K. K. Singh, P. K. Sarkar	THE JOURNAL OF ADHESION, 93/5, 412-429, 2017
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Tribological and Thermal Properties of Hexagonal Boron Nitride Filled High Performance Polymer Nanocomposites	R K Goyal, M Joshi, S. Patil	Journal of Applied Polymer Science, 2016, 133,44409 (1-9) DOI: 10.1002/app.44409
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Graphene oxide modified polyaniline pigment for epoxy based anti-corrosion coatings	Vandana A. Mooss, Abhijit A. Bhopale, P. P. Deshpande, Anjali A. Athawale	Chemical Papers, 2017, DOI: 10.1007/s11696-017-0146-3
Electrical properties of sodium beta-alumina ceramics synthesized by citrate sol-gel route using glycerine	S.P. Butee, K.R. Kambale, Mayur Firodiya	Processing and Application of Ceramics, 10 (2016) 67-72.
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Design of straightening fixture to control the distortion after welding process	Sagar D. Saigaokar, P. D. Pantawane	International journal of scientific research and development, vol 4, 2016, ISSN (online): 2321 -0613 729-732
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Almost self-complementary 3-uniform hypergraphs	C.M. Deshpande Lata Kamble, Bhagyashree Y Bam	Discussiones Mathematicae Graph Theory, Vol.37, 2017, (131-140)

➤ **Research Paper Published in National Conference**

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Quantification of NVH Parameters in DC Electric Motors used for Automobile Applications	Gaurav Shinde, MTech-Auto Tech, D W Pande	Symposium on International Automotive Technology (SIAT) 2017, January 18-21 held at The ARAI campus in Pune India.
Design and Analysis of a Cage-less Differential using Face Gears	Vardhan Kanekal, Rishabh Jain, D. W. Pande	COMET'17, IITBHU, Varanashi (U.P.) Apr-17
"Exergy Analysis Of The Refrigerator With Eco-Friendly Refrigerants "	Niyaj D Shikalgar, S. N. Sapali, Anil G Wavare	2 ND NATIONAL CONFERENCE ON RESEARCH & DEVELOPMENTS IN MECHANICAL ENGINEERING" AT G.H. RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI, PUNE ON 09 TH - 10 TH FEB2017, NCRDME-2017.
"Numerical Simulation of Energy Efficient Air Cooler"	Kaushal P. Patil, S. N. Sapali, Avinash M. Deshmukh	2 ND NATIONAL CONFERENCE ON RESEARCH & DEVELOPMENTS IN MECHANICAL ENGINEERING" AT G.H. RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI, PUNE ON 09 TH - 10 TH FEB2017, NCRDME-2017.
" Design, Development, and Analysis of Operating Machine for Animal Husbandry"	Pawan P. Pawar, S. N. Sapali	2 ND NATIONAL CONFERENCE ON RESEARCH & DEVELOPMENTS IN MECHANICAL ENGINEERING" AT G.H. RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI, PUNE ON 09 TH - 10 TH FEB2017, NCRDME-2017.
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A Novel Approach for Calibration of Instrument Transformers using Synchrophasors	Trupti P. Hinge, Sanjay S. Dambhare	National Power Systems Conference NPSC-2016 19 - 21 December 2016 IIT Bhubaneswar
Secure third zone operation of distance relay using impedance prediction approach	Prashant Gawande, Sanjay Dambhare	National Power Systems Conference (NPSC),2016, Bhubaneswar, India, pg. 1-6
Electronics and Telecommunication Engineering		
Interface Circuit Design for Capacitive Sensing Transducer in 0.18um CMOS Technology	Vanita Agarwal	IETE Cynosure NCCEEE BATU Lonere, April-2016
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Metallurgy and Materials Science		
Flip side of improvement in fracture toughness of Barium titanate by addition of alumina	K.R. Kambale	XIX National Seminar on Ferroelectrics and Dielectrics, 19-21 Dec 2016, Dept of Physics, Maulana Azad NIT, Bhopal
From lamination to forge welding technology in ancient and medieval India	P. P. Deshpande	5th Bharatiya Vigyan Sammelan & Expo 2017, 11 - 14 May 2017, Fergusson College, Pune.
Production Engineering and Industrial Management		
Prioritizing and ranking of factors affecting on-time delivery	Digvijay S. Patil and M. R. Dhanvijay	AICTE sponsored National Conference on Innovative Trends in Mechanical and Automobile Engineering (ITMAE), 11-12 Feb 2016
Floor Mopping Robot	Ms. Sayali Chavan and M. R. Dhanvijay	AICTE sponsored National Conference on Innovative Trends in Mechanical and Automobile Engineering (ITMAE), 11-12 feb 2016, Dept. of Mechanical Engg. MVSR Engineering College, Nadergul, Hyderabad, Telangana.

➤ **Research Paper Published in International Conference**

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Mechanical Engineering		
Experimental Investigation for Microwelding of 304 Stainless Steel Thin Sheets using low Power Fiber Laser	V. K. Haribhakta, Shrikant B. Patil, Sujit S. Pardeshi	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)
Development Of A Cost-Effective, Generic Attitude Control And Determination System Testbed For Small Satellites	Prabhune Bhagyashree Chandrakant, Rathod Abhijit Laxman, Waghulde Dhaval Vilas, Zambre Priyanka Vivek, Baj Girish Rajendrakumar, D. W. Pande	29 th Space Simulation Conference, November 14-17, 2016, Annapolis, Maryland US
Effects of Tangential Velocity on Fluid Flow and Heat Transfer for Turbulent Flow through the Pipe with Twisted Tape Insert	Parag Chaware and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P
On the Effect of Reynolds Number and Spacing Ratio on Flow through a 4 x 4 Array of Square Cylinders with LBM	Mayur Patil, Mustafa Abbas, Ajiket Patil and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P
Force Scatter Analysis of Flow through a Bundle of Square Cylinders Using LBM	Mayur Patil, Mustafa Abbas, Ajiket Patil and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P
Effect of Moving Lid on Heat Transfer and Fluid Flow in Differentially Heated Square cavity	Lahorkar Ashwin, Kotkar Sanket, Kulkarni Shubham, C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P
Fluid Flow and Heat transfer from Two Side by Side Heated Square Cylinders	Mayur Patil and C. M. Sewatkar	Proceedings of the 6 th International and 43 rd National Conference on Fluid Mechanics and Fluid Power, December 15-17, 2016, MNNITA, Allahabad, U.P
Numerical analysis of forced convection in a lid driven cavity with different heat sources placed along the bottom wall	Divyaj Shah, ketki Godbole, C. M. Sewatkar	International Conference of Recent Advances in Mechanical Engineering, Dehli Technological University, Dehli, India, 14 th and 15 th Oct 2016

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Effect of location of heat source and Rayleigh number on natural convection in a square cavity using thermal lattice Boltzmann method	Patil M. Y., Patil A. J., Sewatkar C. M.	ICCMS2016, IIT Bombay, Mumbai, India, June 27-July 1, 2016
Performance, combustion and emission analysis of compression ignition engine fuelled with blends of fish oil biodiesel	Sanket Muley, M R Nandgaonkar	1 st International and 18 th ISME conference on Enabling Sustainable Development in Mechanical Engineering, NIT, Warangal, 23-25 February, 2017.
"Influence of process parameter during machining of graphite using micro- wire electric discharge machine"	Selmokar P. H., Pardeshi S. S., Shubham Patilk, Sunil Patil	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)
"Abrasive Assisted Electrical Discharge Machining: An Innovative Hybrid Approach"	S.H.Wankhade, B.M. Dabade M.P.Khond	International conference on Material Manufacturing and Design Engineering(icmmd 2016)December20-21,2016
"Improving Quality of Technical Education by Quality Function Deployment"	Mohan Khond, Shrinivas Patil, Swapnil Sonawane, Chaitanya Shrishrimal and Aarti Bhattu	International Conference at Detroit Lawrence Tech Campus, USA September 24, 2016. (Awarded as best track paper in Engineering Education)
"Growth of Food Tech: A Comparative Study of Aggregator Food Delivery Services in India"	Mohan Khond, Mustafa Abbas, Harsh Balihallimath and Nishant Bidichandani	IEOM international Conference at Detroit Lawrence Tech Campus, USA September 24, 2016. (Awarded 2 nd place in Undergraduate Student Research Competition, Award Sponsored by SIEMENS)
Reinforcement of Graphene in Aluminium Metal-matrix Composite	Suraj Tat, Mundra S.S., Pardeshi S.S., Patil S.R.	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)
Experimental Investigations into Low Power Micro Laser Clad Surfaces	Dandekar V.S., Bulbule N.B., Chaudhari A.S., and Bhavikatti S.S.	6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016)
Development of a precision experimental setup for a flexure based micro motion amplifier	S. S. Pardeshi, B. B. Deshmukh	International Conference on Research into Design, 9-11 January, Guwahati, India

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Increasing energy efficiency by optimized cryogenic capable pressure vessel for liquid hydrogen fuel in automobile	V. K. Tripathi, Rahul Rundive, Anagha Bhagat	World Congress on Engineering and applications (WCEA – 2016) Bangkok, Thailand 16-17 Dec. 2016
“Development of Actively Steerable In-pipe Inspection Robot for Various Sizes”	Atul A. Gargade, Shantipal S. Ohol	Advances in Robotics (AIR 2017), at IIT Delhi, New Delhi, during June 28-July 2, 2017
“ Investment Casting Bottom Pour Ladle Development Trials ”	Nilesh P. Vanikar, Robert C. Voigt, Shantipal S. Ohol, Tanay R. Anjekar	63rd ICI International Technical Conference, Columbus, Ohio, 16th to 19th Oct 2016.
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PMU based fault location for double circuit transmission lines in modal domain	Snehal Unde, Sanjay Dambhare	IEEE PESGM , Boston, MA, USA, July 2016
Differential protection of mutually coupled lines in modal domain using synchronized measurements	Snehal Unde, Sanjay Dambhar	NPSC 2016, IIT Bhubaneshwar
Adaptive Distance Relaying Scheme With Fault Resistance Compensation	Indrajeet Bhavar, Snehal Unde, Sanjay Dambhare	TENCON, Singapore, Nov 2016
Analysis of Fault Resistance Compensation Methods for Mutually Coupled Parallel Transmission Lines	Pallavi Bharti, Apurva Dehankar, Shalvi Raut , Snehal Unde, Sanjay Dambhare	7th PIICON, Bikaner, Rajasthan, Nov 2016
Distance Protection of lines connected to Doubly Fed Induction Generator based wind farms	Vaishnavi Phadke, Swarada Pathradkar, Akshata Rajput, Snehal Unde, Sanjay Dambhare	7th PIICON, Bikaner, Rajasthan, Nov 2016.
Web based automated electrical machine test bench with data acquisition and remote control	R. T. Ugale and Kunal B. Chavhan	IEEE International conference on Power Electronics, Drives and Energy Systems (PEDES 2016), pp- 1-5, held at Trivandrum, Kerala, India during 13-17 Dec. 2016. DOI: 10.1109/PEDES.2016.7914511

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Analytical and FEM based analysis of Homopolar poly-phase transverse flux machine	Priyanka Bastawade, B. N. Chaudhari, R. T. Ugale and A. Pramanik	IEEE International conference on Power Electronics, Drives and Energy Systems (PEDES 2016), pp. 1-6, held at Trivandrum, Kerala, India during 13-17 Dec. 2016. DOI: 10.1109/PEDES.2016.7914411
Circuit model for conducted emissions analysis of integrated magnetic with thermal impact	R. T. Ugale, Tushar Sambharam, B. N. Chaudhari and S. L. Patil	42nd Annual International conference of Industrial Electronics Society - IECON 2016, pp. 1301-1306, held at Florence, Italy during 23-27 Oct. 2016. DOI: 10.1109/IECON.2016.7793410.
Analytical and FEM design of autotransformer with phase shifting capability	R. T. Ugale, K. D. Mejari and B. N. Chaudhari,	42nd International Conference on Electrical Machines, ICEM 2016, held at Lausanne, Switzerland during Sept. 4-7, 2016, pp. 1345-1351, Sept. 2016, DOI: 10.1109/ICELMACH.2016.7732699.
Automated test bench for an induction motor using Lab View", CD Proc., Paper ID- 1570270863	Kunal B. Chavhan and R. T. Ugale	1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016) held at Delhi Technological University, New Delhi, India during 3-7 July. 2016 pp.1-6 DOI:10.1109/ICPEICES.2016.785
Optimal Power Flow For Power management in Microgrid	. S. N. Chaphekar, Prashant Karad, Anjali A. Dharme	ICPEICES, New Delhi, 4-6th July 2016
Estimation of Transmission reliability Margin Using the Comaparative Anlysis of Satisfistical Methods and Intelligent Techniques	Swati Dadi, V. V. Khatavkar, Heramb Maydeo, A. A. Dharme	ICACDOT, IEEE International Conference held at I2IT, Pune, on 9-10 Sept. 2016
Impact of Probabilistic nature and Location of Wind Generation onTransmission Power Flows	V. V. Khatavkar, Poonam Dhabai, Heramb Maydeo , A. A. Dharme	ICACDOT, IEEE International Conference held at I2IT, Pune, on 9-10 Sept. 2016
Availability Based Distributed Resource Management of Microgrid	S.N.Chaphekar, Himanshu S. Panandikar and Anjali A. Dharme	7th Power India International Conference, Government College of Engineering, Bikaner, Rajasthan, India, 25th -27th November 2016

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Optimal Penetration Ratio for a Radial feeder with a Microgrid	Prashant Karad, S. N. Chaphekar, Anjali A. Dharme	IEEE International Conference on Computing, Analytics and Security Trends (CAST2016), at COEP, Pune, 19-21 Dec.2016
Blocking of Distance Relays Zone3 under Load Encroachment Conditions Using Decision Tree Technique	Nikhil Chaudhari, Trupti Hinge, Sanjay Dambhare	7th POWER INDIA International Conference, IEEE, November 25-27, 2016 Govt. Engineering College Bikaner, Rajasthan, India
Dynamic Security Analysis For Voltage Security Using Decision Trees	Nikhil Chaudhari, Trupti Hinge, Sanjay Dambhare	TENCON IEEE, 22-25 November, 2016 Singapore
Protection and fault identification in presence of power swing blocking/unblocking function	Prashant Gawande, Sanjay Dambhare	IEEE Power and Energy Society General Meeting (PESGM), 2013, Vancouver, BC, Canada, pg. 1-6
A novel algorithm to detect symmetrical faults during power swing for a double circuit multi-terminal transmission line	Prashant Gawande, Sanjay Dambhare	IEEE/PES Transmission and Distribution Conference and Exposition (T&D), 2016, Dallas, TX, USA, pg. 1-7
A novel unblocking function for distance relay to detect symmetrical faults during power swing	Prashant Gawande, Sanjay Dambhare	IEEE Power and Energy Society General Meeting (PESGM), 2016, Boston, MA, USA, pg. 1-6
An adaptive distance relay protection scheme for enhanced protection security	Prashant Gawande, Pallavi Bedekar, Milind Bagewadi, Sanjay Dambhare	IEEE 6th International Conference on Power Systems (ICPS), 2016, New Delhi, India, pg. 1-6
An algorithm to secure the zone 3 operation of distance relay	Prashant Gawande, Pallavi Bedekar, Vidyulata Joshi, Sanjay Dambhare	IEEE Region 10 Conference (TENCON), 2016, Marina Bay Sands, Singapore, pg. 975-978
Enhancing security of distance relays during power swing unblocking function for double circuit transmission lines: A differential power approach	PN Gawande, SS Dambhare	13th International Conference on Development in Power System Protection 2016 (DPSP), 2016, Edinburgh, Scotland, UK, pg. 1-6
Hybrid Solar Photovoltaic/Thermal (PVT) panel-Review	Rohan S. Kulkarni, D. B Talange	International Conference on Advanced Computing and Communication Systems (ICACCS -2017), pg. 2008-2011, Coimbatore, INDIA

Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.
Design and development of energy efficient advanced PEM fuel cell for Electric Vehicle Applications	Sudarshan L. Chavan, D. B. Talange	International Conference on Advanced Computing and Communication Systems (ICACCS -2017), pg. 2093-2096, Coimbatore, INDIA
Electrical equivalent circuit modeling and parameter estimation for PEM fuel cell	Sudarshan L. Chavan, D. B. Talange	International Conference. on Innovations in Power and Advanced Computing Technologies (i-PACT 2017)
Modelling and Control of Active Clamp Forward Converter with Current Doubler Rectifier	V.S.Rajguru, Rohit Rokade	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems – ICPEICES 2016 4-6 July 2016
Design and Implementation of a prototype DC photovoltaic power system simulator with maximum power point tracking system	V.S.Rajguru, Soham Karyakarte, Supriya Kawthekar, Vishnu Menon	First IEEE International conference on Power Electronics, Intelligent Control and Energy Systems – ICPEICES 2016 4-6 July 2016
Modelling, Design and comparison of PI and PID Controllers for STACOM	Meera Murali, Archana Gokhale, Amit Pande and Ekta Sharma	IEEE Conference ICPEICES, Delhi, 4-6 th July 2016
Non linear mathematical modelling and simulation of switched reluctance motor	Akshay Nirgude, Meera Murali, Swanand Kulkarni, Shubham R Patel	IEEE Conference , PEDES 2016
Comparitive Analysis of 6,12,48 pulses T-STATCOM	Swapnil Mahajan, Meera Murali, Tushar Mali	IEEE Conference PIICON, 2016, 25-27th November 2016.
Design and Implementation of an Integrated non-isolated inverted dc-dc buck boost converter for battery charging	Rutuja Bajaja, Jeet Panchal, Meera Murali	IEEE Conference ICECCT, 2017 22-24th Feb, 2017
Electronics and Telecommunication Engineering		
Frequency and Polarisation Reconfigurable Square Ring Antenna for Wireless Application	Deepalaxmi V. Niture, Ashish G. Padwal, Dr. S. P. Mahajan	IEEE Region 10 Conference (TENCON), ISSN: 978-1-5090-2597-8/16, page no. 1302-1305, 2016
Acoustic Environment Identification using Blind De-reverberation	Rashmika K. Patole, P. P. Rege, Pravin Suryawanshi	IEEE, IC on CAST, ISSN: 978-1-5090-1338-8/16, page no. 495-500, 2016
Digital Image Security Using MOSAICS	Shilpa P. Metkar, Nishigandha V. Gaikwad	IEEE, ICCCA, ISSN: 978-1-5090-1666-2/16, page no. 1074-1079, 2016

Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.
Timing Closure and Leakage Optimization using MCMC Optimization	Vanita Agarwal	ICEECMPE-Pune, Paper ID: IE-EECMPEPUNE-05066-949, June 2016
Improving the Visual Quality of Secret Fragment Visible Mosaic Image	Shilpa P. Metkar, Nishigandha V. Gaikwad	IEEE, Conference on Advances in Signal Processing(CASP) Cummins COE for Women, Pune, ISSN: 978-1-5090-0849-0/16, page no. 207-211, June-2016
An effective approach to recover corrupted or mobile captured 2D barcode images with improved accuracy	Shilpa Metkar, Sonam Wasule	IEEE, Conference on Advances in Signal Processing(CASP) Cummins COE for Women, Pune, ISSN: 978-1-5090-0849-0/16, page no. 108-113, June-2016
Petrographic image classification using optimized Radial Basis Function Support Vector Machine & validation of its asymptotic behavior	Vibha Vyas, Ashutosh S. Marathe; Madhavi Chavhan	IEEE, International Conference on Signal Processing, Communications and Computing (ICSPCC) Year: 2016 Pages:1- 6, DOI: 10.1109/ICSPCC.2016.7753703IEEE Conference Publications
Analysis framework for machine learning experiments based on classifier combination for petrographic images	Vibha Vyas, Ashutosh S. Marathe; Madhavi A. Chavhan	IconSIP, Year: 2016 Pages: 1,5, DOI: 10.1109/ICONSIP.2016.7857484
Biometric association using transfer subspace learning	Vibha Vyas, Rupali Sandip Kute	IEEE, Region 10 Conference (TENCON) Yr: 2016 Pages: 1384-1387, DOI: 10.1109/TENCON.2016.7848241
An Invertible Fuzzy Scheme for Securing a Fragile Watermark	Vaibhav Joshi, Mehul Raval, Dhruv Gupta, Priti Rege	2016 International Conference on Computing, Analytics and Security Trends (CAST), COEP, Dec 19-21, 2016
Modelling and Performance Analysis of RF Energy Harvesting Cognitive Radio Networks	Sushil B Ronghe, Varada Potnis Kulkarni	IEEE ICCES 2016, Coimbatore, October 2016
Automatic Carnatic Raga Identification using Octave Mapping and Note Quantization	Rohan Pillai, S.P. Mahajan	International Conference on Communication and Signal Processing, April 6-8, 2017, India

Title of the Paper	Authors	Publication details/Vol.No./ISSN No./Page No.
Performance Optimization and Comparative Analysis of Neural Networks for Handwritten Devanagari Character Recognition	Sushama Shelke and Shaila Apte	IEEE International Conference on Signal and Information Processing (IConSIP-2016)
Anomaly Detection using Machine Learning Techniques	R. A. Patil	ICETSMI 2017, Delhi, India
Fifth Derivative Gaussian Pulse generator for UWB Applications	P.A. Patil, S.R.Chirania, A.B Patki	2016 International Conference on Computing Communication Control and automation (ICCUBEA), 12-13 August 2016.
Poisson Reducing Unilateral Filtering for X-ray Image Denoising	Ashok M. Sapkal, Kirti V. Thakur, Omkar H. Damodare	International Conference on Communication Computing & Virtualization, FCS, NY, USA. ISSN: 2249-0868, Page no. 9-13, 2016
Medical Image Denoising using Rotated Wavelet Filter and Bilateral Filter	Ashok M. Sapkal, Kirti V. Thakur, Pramod G. Ambhore	International Conference on Communication Computing & Virtualization, FCS, NY, USA. ISSN: 2249-0868, Page no. 14-18, 2016
Agri-Guide: an Integrated Approach for Plant Disease Precaution, Detection, and Treatment	Ashok Sapkal, Anjali Chandavale, Suraj Patil	ICDECT, Springer, DOI: 10.1007/978-981-10-1678-3_78, Page no. 809-817 2016, Volume-2.
Morphology Based Approach for Number plate Extraction	Priti Rege, Chetan Pardeshi	ICDECT, Springer, Volume-2, DOI: 10.1007/978-981-10-1678-3_2, Page no. 11-17, 2016
Study of x265 and Generic Motion Search Algorithm	Vidya N. More, Vivel D. Indrale	2 nd International Conference on computing communication, Control and automation, PCCOE, Pune, Aug 2016
Instrumentation and Control Engineering		
Fuzzy Logic Based Decision Support System	Jagannath Wadgaonkar, Kalyani Bhole	Proc. of IICIP 2016, 12th-14th August 2016.
Implementation of control algorithm for furnace temperature control in CFD simulation	Sampada Bhujbal, Ashwini Andhale, Amruta Deshpande, Sachin Pimpalnerkar	IEEE, International Conference on Automatic control and dynamic optimization technique (ICACDOT-2016), September 9-10, 2016, International Institute of Information Technology, Hinjawadi,
Fuzzy Based Incremental Conductance Algorithm for PV System	Harshal Deopare, Amruta Deshpande	IEEE, International Conference on Automatic control and dynamic optimization technique (ICACDOT-2016), September 9-10, 2016, International Institute of Information Technology, Hinjawadi, Pune

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Performance verification of ripple correlation control for solar PV application	Amruta Deshpande, S. L. Patil	IEEE, 7th Indial International Conference on Power Electronics (ICPE-2016), 17-19 November 2016, Thapar university, Patiala
Investigation of sliding mode control of higher order DC-Dc converter	Sanjeev Kumar Pandey, S. L. Patil, S. B. Phadke, A. S. Deshpande	IEEE, 7th Indial International Conference on Power Electronics (ICPE-2016), 17-19 November 2016, Thapar university, Patiala
Sensor Development of Electronic Tongue System for Taste Identification	Rohini Mudhalwadkar	2nd International Conference on Sensors and Electronic Instrumentation Advances, 22-23 September 2016, Barcelona, Castelldefels, Spain, ISBN: 978-84-608-9963-1
Parameter Controlled Gas Sensor System for Development of Sensor Model	Dipali Ramdasi, Rohini Mudhalwadkar	Springer International Conference on Advance Computing and Intelligent Engineering, Odisha, 21st to 23rd December, 2016
A survey on factors affecting performance and durability of PEM Fuel Cells in Automotive applications	Sujit Barhate, Rohini Mudhalwadkar and Ak Prakash	Springer International Conference on Intelligent Computing and Applications (ICICA 2016) 20th-22nd December, 2016 , Pune
Performance Evaluation of PID, LQR and MPC Controllers for DC Motor Speed Control	Siddesh Dani, Dayaram Sonawane, Deepak Ingole and Sanjaykumar Patil	IEEE 2nd International Conference for Convergence of Technology (I2CT), Pune, India, April 7-9, 2017.
Earlier prediction & Comprehensive Health Assessment-Management of Lung Cancer in CT images	Rahul Pujari, Uttam Chaskar	Proceeding of IEEE sponsored 2nd International conferences for convergence of Technology (i2ct), Pune, India. April 07 -08 -09, 2017
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Convergence rates for direct transcription of optimal control problems using Second Derivative Methods	Dayaram Sonawane, Manan Pathak and Venkat Subramanian	American Control Conference (ACC 2016), Boston, USA, pp. 215-220, July 6-8, 2016
Automatic Detection of Major Lung Diseases Using Chest Radiographs and Classification By Feed-Forward Artificial Neural Network	Shubhangi Khobragade, Vikram Narke, C Y Patil	IEEE ICPEICES 2016

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Effect of addition of V ₂ O ₅ on the densification, dielectric and ferroelectric behaviour of Pb free K- Na- Niobate Ceramics	K.R. Kambale	International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectrics, 7-11 Nov 2016, University of Delhi
Electrical Properties of Graphene/Polymer nanocomposites Prepared by a Simple Route	R K Goyal	International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM-2017), organized by Centre for Materials for Electronics Technology (C-MET) Pune during, March 8-9 2017,
Synthesis and Characterisation of ZnO-Bi ₂ O ₅ -CuO-V ₂ O ₅ based High Voltage Varistor	S. P. Butee	International conference on Ceramics, Glass and Refractories - Emerging Innovations, 13-15 Dec 2016, IICT, Hyderabad, Telangana,
Corrosion behavior of SS316 in hank solution for biomedical applications	S.T. Vagge	NMD'16 "Metals, Materials and Manufacturing for a Self-Reliant India, 11-14 Nov'16, BHU-IIT, Banaras
Effect of particle size and process parameters on dimensional shrinkage of sintered compacts	N B Dhokey	International conference on Powder Metallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi
Fabrication of Thermoelectric Generator for high temperature application using unicouples made from p-type and n-type β -Iron disilicide	V. Poddar	International conference on Powder Metallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi
Development of Near Net Shape Fe-Cu-C Sintered Powder Compacts Through Composition Control	S. P. Butee	European Powder Metallurgy World Congress-2016 Hamburg, 10-13 Oct 2016, Germany
Recycling of mill scale for iron	N. B. Dhokey	European Powder Metallurgy World Congress-2016 Hamburg, 10-13 Oct 2016, Germany
Investigations into micro hole generation on titanium by Electrochemical Micromachining using Conical Disc Microtool	Sandip S. Anasane and B. Bhattacharyya	6th International and 27th All India Manufacturing Technology, Design and Research Conference, AIMTDR 2016, December 16-18, 2016, College of Engineering, Pune
Application of AHP for Design Selection of Rotary Table System	Kalyani V. Kanadkhedkar and Rajiv B.	International Conference on Advanced and Agile Manufacturing and Agile Software Development, 06-07 Oct.2016. SGGS Institute of Engineering and Technology, Nanded

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Motion Bubble Chart for Supply Chain Operation Optimization & Data Visualization for Decision Making	Mahendra Salunkhe and Rajiv B.	International Conference on Modern Era Research in Mechanical Engineering (MERME-16) in association with Institute of Engineers, India (IEI) Kolkata 29th-30th September 2016, RIT Sakharale.
MQL machining of high carbon high chromium (HCHCr) steel using vegetable oil	Pankaj Gaigole and Rajiv B.	6th International & 27 th 2016 All India Manufacturing Technology, Design and Research Conference from 16th -18th December, 2016 at College of Engineering Pune.- AIMTDR2016 –839
Elimination of oil leakage defect in V series Diesel Engines using the Six Sigma Technique	Chaitali Gogare and Rajiv B.	6th International & 27 th 2016 All India Manufacturing Technology, Design and Research Conference from 16th-18th December, 2016 at College of Engineering Pune.- AIMTDR2016 – 1164
Reliability Analysis of Heat Exchanger Cycle Using Non-Parametric Method	Apurv Kulkarni, Shreyas Badave, Rajiv.B	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.
Critical Analysis of Heat Exchanger Cycle for Its Maintainability Using Failure Modes and Effect Analysis and Pareto Analysis	Sayali Vyas, Atharva Desai, Shreyas Badave, Apurv Kulkarni, B. Rajiv	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.
Analysis of Fuel Efficiency in Heavy Construction Compaction Machine and Factors Affecting Fuel Efficiency	Amey Kulkarni, Paavan Shetty, Amol Patil, Rajiv B	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.
Study of the bias associated with the forecasting of intermittent demands	Vicky B. Sardar, N.R.Rajhans	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective, Shri Ramdeobaba College of Engineering and Management , Nagpur, 21-22 Oct 2016
Forecasting of primary energy using time-series forecasting methods	Tushar Prakash Prabhu, Ameya Gajanan Pathak, N.R.Rajhans	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective, Shri Ramdeobaba College of Engineering and Management , Nagpur, 21-22 Oct 2016

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Developments in silicone material for biomedical applications- A review	Vicky B. Sardar, N.R. Rajhans, Ameya Pathak, Tushar Prabhu,	14th International Conference on Humanizing Work and Work Environment HWWE-2016
Improvisation of productivity through layout optimization in manufacturing company of planetary gear boxes	Snehal M. Raut, Harshwardhan Vairagade, Vicky B. Sardar, N. R. Rajhans,	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016
Optimization of a Gear Manufacturing industry layout using Simulation	Sujata Patil, V.B.Sardar N.R.Rajhans	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016
Development in Small Scale Multipurpose Fodder Harvester-A Review , NIT Jalandhar 2016	Ameya G. Pathak, Tushar P. Prabhu, Harshal B. Chaudhari and N. R. Rajhans,	14th International Conference on Humanizing Work and Work Environment HWWE-2016
Optimization of plant layout using simulation software	Anurag A. Polshettiwar, Divyesh P. Trivedi, Vicky B. Sardar, N R Rajhans	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune
Simulation and optimization of layout of sheet metal manufacturing plant	Ameya Y. Deokar, Aniruddha M. Bavdhanekar, Ronak R. Degaonkar, Vicky B. Sardar, N. R. Rajhans,	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016),
Application of Critical Path Method for Project Scheduling – A Case Study,	Swati Razdan, Mayur Pirgal, Abhishek Hanchate, Mrs. N. R. Rajhans, Vicky Sardar	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Inventory Management for a newly started Service Station	Ameya Pathak, Tushar Prabhu, Vicky Sardar, N. R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Implementation of Operating Characteristic (OC) curve to determine the probability of acceptance along with other parameters for a single-sampling plan.	Soham Mandavkar, N.R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017

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Renewable Energy: opportunities and constraints in rural areas	Susmita Anil Ukande, Vicky Sardar, N. R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Research on Injection Mould Intelligent Cost Estimation System and Key Technologies	Harshvardhan Maheshwari, N.R Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Research on Injection Mould Intelligent Cost Estimation System and Key Technologies	Harshvardhan Maheshwari, N.R Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Studying and Implementation of Electronic Procurement Processes in Organisations	Darshan Maheshwari, N.R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Assessment of Human Performance Considering Human Behavior	Gayatri Deshmukh, Kalyani Ikade, Chaitali Tapase, N.R. Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017.
Transient response analysis and speed control of an IC Engine	Pooja Deshmukh, N.R.Rajhans	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017
Comparison and Identification of optimum layout using Multi Criteria Decision Making	Deepali Bhadekar, Aishwarya Anbhule, Vicky Sardar, N R Rajhans,	Vth Annual International conference on Operations Research and Statistics ORS 2017, 6-8 March 2017, Singapore ISSN ISSN 2251-1938 , E- periodical 2251-1946
Taguchi based Grey Relational Analysis of Al ₂ O ₃ ceramics using Vibro-rotary ECDM Process	M. R. Dhanvijay, B. B. Ahuja, P.P. Chikate	AIMTDR2016-1280, 16/12/ 2016, 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016), December 16-18, 2016 at COEP
Experimental Investigation of E-Glass Epoxy Composites by Tool Vibrations using ECDM Process,	Jagdish S Sarda, M. R. Dhanvijay, B. B. Ahuja	AIMTDR2016-1145, 17/12/ 2016, 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference (AIMTDR2016), December 16-18, 2016 at COEP
Investigation on Effect of Non-Standard Temperature in Conventional Micrometer Screw Gauge Dimensional Measurement System Using Statistical Process Control and Capability Analysis	V. A. Kulkarni, M. R. Dhanvijay	AIMTDR2016-1279, 17/12/2016 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference, (AIMTDR2016), December 16-18, 2016 at COEP

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Distortion reduction strategies for PCD run out of cam shaft gear	V.A. Kulkarni and M. R. Dhanvijay	International Conference on Materials, Manufacturing and Design, Paper No.: iCMMMD_paper_6, Dr. Babasaheb Ambedkar Technological University, Lonere, 20 th and 21 st December, 2016.
Process Characterization of Resistance Spot Welding of Dual Phase Stainless (DP600) Steel	S.M. Mule, S.U. Ghunage, B.B. Ahuja	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune AIMTDR2016-1276,Page: 161
Opportunity Identification for Cost Reduction in Small Commercial Vehicle using Value Analysis	Shantanu Dhanorkar, S.U.Ghunage	AIMTDR2016-1175 Page: 281
Investigate the Condition of Single Speed Worm Gearbox Using Ferrography and Vibration Analysis	J. S. Karajagikar, Vikas P. Sojitra, B.U.Sonawane	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at COEP
A Review on Rapid Tooling for Electro Discharge Machining Process	Savan D Fefar, J.S.Karajagikar	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at COEP
Fluorescence in Rhodamine6G and Coumarin460 dyes Induced by Laser for Sensing of Organic Compounds	Jagdish W.Dadge	International Conference on Functional Oxides and Nanomaterials, ICFONM – 2016 organized by Department of Physics and Department of Nanoscience & Advanced Materials, Saurashtra University, Rajkot, India during 11-13 th Nov 2016
Vertically aligned MEH-PPV/CdS hybrid nanowire polymer Solar Cell array	Shweta Chaure	2 nd International Conference On Solar Energy Photovoltaic Proceeding
Structural and magnetic behavior of Mn doped ZnO synthesized by sol-gel route	L. V. Bhandarkar	104 th INDIAN SCIENCE CONGRESS 2017Poster Presentation
A review of Ground Penetrating Radar as an effective tool for assessing theTunnel linings in Infrastructure Surveys	A. S. Ramdasi, L. V. Bhandarkar and Y. A. Kolekar	ORAL Presentation on “Underground Excavations in Difficult Ground Conditions: Issues & Challenges”, 27-28 April 2017, New Delhi

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Effect of temperature on the structure of $\text{La}_{1.7}\text{Dy}_{0.3}\text{Ca}_{0.6}\text{Ba}_2\text{Cu}_{4.6}\text{O}_z$ mixed oxide superconductor	Rohini S. Chhatrala, D. G. Kuberkar, S. Rayaprol, Keka R. Chakraborty, P. S. R. Krishna and M.Ramnadham	Poster Presentation in an International conference on Functional Oxides and Nanomaterials (ICFONM - 2016) at Saurashtra University, Rajkot during 11-13 November 2016
Role of structural displacements in $(\text{La}_{0.3}\text{Dy}_{0.3}\text{Ca}_{0.4})(\text{Ba}_{1.2}\text{Ca}_{0.2}\text{La}_{0.6})_2\text{Cu}_3\text{O}_z$ Superconductor: A temperature dependent Neutron Diffraction study	Rohini S. Chhatrala, D. G. Kuberkar, S. Rayaprol, Keka R. Chakraborty, P. S. R. Krishna and M.Ramnadham	Poster Presentation in an International conference on Neutron Scattering (CNS 2016) at BARC Mumbai during 21-23 November 2016

PATENTS

Faculty / Students	Title	Application No. & Date	Status
Department of Electrical engineering			
Mr. Chavan S.L. Dr. D. B. Talange Dr. D.S. Barmane Dr. S.G. Kandalkar Mr. R.S. Kulkarni	Design and Development of MEA for High Peak Power Fast Responding PEM Fuel cell	No. 201621007958	Applied
Department of Mechanical Engineering			
Dr. S.N.Sapali, Dr. B.B.Ahuja, A.M. Deshmukh S.N. Kale	Solar Operated Multipurpose Mistspray Generator Machinery	No. 201621035365 A Date: 17 October 2016	Applied
Department of Production Engineering & Industrial Management			
Vikas N Chougule, Dr. Sunil M. Nadkarni, Dr. Arati V. Mulay, Dr. B. B. Ahuja	A System and Method for Pre-Surgical Planning using Non-Invasive Imaging Techniques	No. 201621034740 Date: 11 October 2016	
Vikas N Chougule, Dr. Sunil M. Nadkarni, Dr. Arati V. Mulay, Dr. B. B. Ahuja	A System and Method for Development of a Patient Specific Path Guidance Tool	No. 201621034738 Date: 11 October 2016	Applied
Dr. S. N. Sapali, Dr. B. B. Ahuja, A.M. Deshmukh S.N. Kale	Solar Operated Multipurpose Mistspray Generator Machinery	No. 201621035365 A Date: 17 October 2016	Applied
Vikas N Chougule, Dr. Sunil M. Nadkarni, Dr. Arati V. Mulay, Dr. B. B. Ahuja	A Generalised Path Guidance Tool To Assist In Minimum Invasive Surgery of Lumbar Spine	201621042698 Date. 14 December 2016	Applied
Ravikiran Shinde, Sharadchandra Bansode, Dr. Arati V. Mulay, Dr. B. B. Ahuja	A Vapour Polishing Apparatus for 3D Printed Jobs [Provisional]	201621042767 Date. 15 December 2016	Applied
Sachin S. Shinde, Dr. N.R. Rajhans	A Mechanical Lateral Tilting Bed For Bedridden Patients To Reduce Pressure Ulcers	TEMP/E-1/42991/2016-MUM Date. 19 December 2016	Applied
Sachin S. Shinde, Dr. N.R. Rajhans	A Mattress For Preventing Pressure Ulcers	TEMP/E-1/42995/2016-MUM Date. 19 December 2016	Applied

Research Projects➤ **Funded by Government Agencies**

Sr. No.	Project Title	Co-Ordinator	Sponsoring agency	Sanctioned Letter No. & Date	Amount (RS. in Lakhs)	Status
Department of Instrumentation and control						
1.	Fabrication of small satellite for monitoring radiations in diff orbits of outer atmosphere	R M Mudhalwadkar	ISRO- UOP	PU/ISRO-STC/1784 dt. 30-05-2016	20.600	Ongoing
2	Development of ABS, AS, and ASS test rigs for real time implementation of active disturbance rejection based robust control	P D Shendage	DST - SERB New Delhi	SB/S3/EECE/ 219/2016	71.110	Ongoing
3	Probable Intensive Care Unit set Up for Rural Health Infrastructure under the scheme of Assistance for S & T applications	U M Chaskar	Rajiv Gandhi Technology Commission GOI	RGSTC/File-2011/DPP-161/CR22, dt 02nd march 2017	77.124	Ongoing
Production Engg and Industrial Management						
4	SMART Foundry 2020 (Sustainable Metal Casting Advanced R&D)	A V Muley	DST New Delhi	--	52.464	Ongoing

➤ **Funded by Alumni Association**

Sr. No.	Project Title	Co-Ordinator	Sponsoring Agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)
Department of Mechanical Engineering					
1	Design, Development and performance evaluation of Vapour compression refrigeration system with environment friendly refrigerant	Dr. S. N. Sapali	Alumni Association COEP	Ref : COEP project No. COEP/2015/DE PTS/Alumni Asso./147	2.0

➤ **Funded by TEQIP**

Sr. No.	Project Title	Co-Ordinator	Sponsoring Agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)
Department of Mechanical Engineering					
1	Development of Thermally stratified Hot water storage tank	H P Shinde	TEQIP SRES	TEQIP II/2016/MH2G02 /Shopping/188 and COEP/TEQIP/ CoESRES/2016 /MED/329 16 March 2016	2.55
2	Determination of effect of dust accumulation on incident solar irradiance through transparent surfaces	H P Shinde P H Selmokar	TEQIP SRES	August 2016	0.4
3	Hydraulic Brake Energy Regeneration System	N D Dhote	TEQIP SRES	January 2017	0.305
4	Solar powered low cost eco friendly mist spray direct evaporative cooler.	Dr. S. N. Sapali	TEQIP-II CoE-SRES	-	0.25
5	Development of an energy efficient refrigerator using Eco-friendly Refrigerant	Dr. S. N. Sapali	TEQIP-II CoE-SRES	-	0.2592

➤ **Funded by Industry**

Sr. No.	Project Title	Co-Ordinator	Sponsoring Agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)
Department of Mechanical Engineering					
1	Development of Energy efficient evaporative cooler	Dr. S. N. Sapali	ISHRAE Pune chapter	Ref.: ISPG-PUN-56	0.50

LAB EQUIPMENTS**1. CIVIL ENGINEERING DEPARTMENT**

FLUID MECHANICS LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Bernoullis Apparatus • Heleshow Apparatus • Metacentric Height Apparatus • Notch Apparatus • Orifice and Mouthpiece Apparatus • Reynold Apparatus • Venturimeter and Orificemeter • 10 HP Centrifugal Pump 	36250 13560 7000 21650 21500 12000 23500 45900
Total	1.81

STRENGTH OF MATERIAL LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Marble wood cutter machine • AC-AC LVDT Displacement Transducer Model : DX LL-25 • DIGITAL Displacement Indicator Model DX05B Make: Micron -Rook • Wedge Grips for Electronic Tensometer • Electronic Moisture Meter Make- JAPAN SANKO • Accessories of U.T.M. 100 kN F I F make • Brinell Hardness Tester • Mechanical Extensometer variable guage length : cap 0.25mm • Electronic Tensometer 20 kn capacity. • Tile Flexure testing machine WITH LEAD SHOTS • Impact Testing machine • Abrassion Testing Machine for aggregates with abrassive charge. • Dial Gauge TYPE-2 Mitutoyo Japan • Cutting Machine • Compression proving Ring TYPE- 1 CAPACITY -1000KN • Lateral Extensometer Aim : 373 • Mechanical Extensometer Fixed guage length 200mm to fix • Dial Gauge TYPE-1 • Sledge Hammer • FIE- Electronic Universal Test Machine 600 KN Capacity 	3000 4444 10504 5738 63000 5400 68000 12480 380460 130000 67771 53257 41600 85280 34823 15600 13520 17680 176001 509033
Total	16.97

GEOLOGY LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Aqua meter CRM 500(UNDER TEQIP) • Rocks & Mineral specimens 	1.13
Total	1.13

CONCRETE TECHNOLOGY LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Hydraulic Jack 50 ton capacity • Concrete Permeability Apparatus • Lab Concrete mixer-Pan type Sr.no.AIM-9891 • Creep Apparatus AIM-239 • AIMIL Longitudinal Compressometer AIM-372 • Concrete Steel Moulds 150x150x150 mm • Cement Moulds 70.7 mm • Sieve Set - Aggregate • Sieve Set - Sand • Paint Cement Mixture • Weighing Balance - 5kg • Vernier Calliper • VeeBee Consistometer • Vibrating Table • Density Bucket • Cylindrical Mould • Thickness Gauge • Length gauge • Concrete Moulds Bream Cast Iron 150 x 150 x 700 • LE-Chatelier Mould • Laboratory Oven • Weighing Balance - 150kg • Mould Cast Iron for 150 mm cube • Cement Cube Moulds • Beam mould • Vicat Apparatus • Jaw crusher • Compaction factor Apparatus • Needle Vibrator • Cylindrical metal measures for Bulking test • Longitudinal comresso meter • Curing Tank • Beam Flexure Testing Machine • Sieve shaker(Coarse) • Sieve shaker(Fine) 	48628 51075 127249 469695 79112 33300 20700 21257 10359 6480 6032 8495 18000 953 19263 350 350 52540 2496 41063 85275 47424 7176 58656 3640 33000 6952 30628 6188 8102 90695 104131

• Concrete Mixer	18400
• Abrasion Testing Machine for Aggegates	18400
• Mortar Mixer	39560
• Weighing Balance - 15kg	53257
• Weighing Balance - 60kg	28194
• YORCO Water bath	15600
• Sieve set	22880
• Sieve set type2	8320
• Laboratory oven	10483
• Compression Testing Machine (CTM -digital (2000 kN)	23712
• Gravity convection type laboratory oven	12060
• Length Comparator	
Total	19.31

ENVIRONMENTAL ENGG. LABORATORY	Cost (Rs in Lakhs)
• Vaccume Pump	
• Calibrated Weighing Box	8943
• De-Mineralization Plant	11025
• Conductivity Meter	31388
• Brass Sieve	17687
• Laboratory OVen	11813
• Orbital Incubator Shaker	49224
• Laboratory oven	110250
• Laboratory incubator with shaker	49,224
• Digital Flocculator	1,10,250
• Digital colorimeter	67500
• Peristalic Pump	12,600
• High Volume Sampler	31,500
• BOD MONITOR	86,890
• COD Analysis System	1,46,249
• Automic Absorption spectrophoto meter	1,40,400
• UV VIS SPECTRO PHOTOMETER	4,38,000
• Ion Analyser	2,42,000
• ISA Electrode Fluoride	42,713
• BOD Incubator	29,070
	79,875
Total	17.16

PLUMBING LABORATORY	Cost (Rs in Lakhs)
• Plumbing layout of water supply pipes	
• Various types of toilets based on the utilities	120.00
• The 9 m tall demonstrative tower	
• Latest plumbing materials and technology	
Total	120.00

NDT LABORATORY	Cost (Rs in Lakhs)
• Crack Monitor	16017
• Crack Measuring Magnitier	12065
• Crack width meter model no 32529000	1023
• Corrosion Analyzing Instrument Canin make.	930756
• Deformation Meter Proceq make.	73629
• Spilt Air Conditioner 2 Ton Daikin	29666
• 10 KVA UPS	149983
• 100 Laser Range Finder / Measure	31281
• Digital Concrete Test Hammer	122850
• Ultrasonic Digital Distance Meter	6187
• Mini Infrared thermometer	7650
• Ultrasonic Thickness Gauge	97121
• R Meter (Resistivity meter)	211269
• E Meter	12098
• Poro scope Plus	7215
• Maturity Meter	7272
• Electronic Moisture Meter	63000
• Drying shrinkage & moisture movement tester	20250
• Diamond core cutter	1,19,842
• Steel frame form diamond core cutter	57431
• Metal Detector	3640
• Stone Cutter with Slot cutter edge	66072
• Rotary drill hammer	16170
• Demolition Hammer	65014
• Laser range finder	22002
• Concrete Test Hammer	73068
• Ultrasonic Pules Velocity Test Instrument	119493
Total	23.42

GEOTECHNICAL ENGG. LABORATORY	Cost (Rs in Lakhs)
• Triaxial Test	
• Large box shear	3.73
• Mini pressure meter	2.70
• SCPT	1.29
• Universal Geotextile testing m/c	1.06
• Plate Load Test apparatus	1.49
• Mini Pressure Meter	1.80
• Large Direct Shear Test Apparatus	1.23
• Triaxial Test Apparatus	2.56
• Static Cone Penetration Test Apparatus	7.40
• Asphalt Concrete slab Fatigue Testing Equipment	1.01
• Geosynthetics Testing Equipments	1.53
• Soil Automatic compactor	1.18
• Horizontal Shaking table Apparatus + water proof	1.00
Acceleration Transducer	5.82
• UCS for rocks	1.90
• Flat Jack for rocks	3.08
• Tensile strength for rocks	0.65
• Direct shear strength for rocks	1.20
• Slake durability for rocks	0.44
• Hardness tester for rocks	2.35
• Rock specimen preparation	2.86
• LVDT 0.50 mm	0.79
• Digital Indicator	0.51
• Automatic Soil Compacter	0.66
• Double Acting Hydraulic	1.55
• Pavement Testing Setup	1.87
• Hydraulic Cylindr with complete powr pack	4.98
• Instrumentation and Data Acquisition system	9.26
• Fabrication of Apparatus for Study of seepage through	2.00
soils	
Total	67.90

COMPUTER LABORATORY	Cost (Rs in Lakhs)
• STURDS software	23400
• Ink Jet Printer Make Canon S-200	8700
• Wooden Computer Table	299700
• 10 KVA UPS	2,09,643
• HP Inkjet Printer	4950
• 600 VA UPS	10608
• Wall Mounted Sping Wooden screen	7875
• HP Laserjet Printer M1005	32870
• Wireless Conferrence System	86400
• HP Deskjet Printer DS 4268	3708
• HP Laserjet Printer 1008	7622
• Split Type Air Conditioners 1.5 ton A.C & 2 Ton	3,85,540
• HP Laserjet Printer M-1136	10370
• Primavera Contractor Software	7,49,999
• LaserJet Printer M1136 HP	10895
• HP Compaq Desktop SFF 6200 Dt: 30/3/12	3,12,500
• LCD Network Projector	47700
• Panasonic VIERA 50 inch Full HD LED Panel TV	79000
• STAR-CCM+(#1101.37) SOFTWARE	3,99,999
• HP Compaq Desktop SFF 6200	29,23,200
• HP Laptop Model 4440s	5,82,750
• DLP Projector Make OPTOMA	45720
• Manual Insta Lock Screen	19890
• GATE EXAM PRACTICE PAPER Software	23000
• Construction Management Software OPTICON EDU PLUS	4,00,000
• PLAXIS 2D software Dt:13/2/2013	8,68,464
• HP Laserjet Printer Model HP 1020PLUS Dt:27/2/14	43200
• 8 GB RAM DDR3 Transcend	12,150
• 8 GB RAM DDR3 EVM	23,800
• 8 GB RAM DDR3 EVM	29,750
• Ceiling Mount Kit (Adjustable) for fixing projector	37,080
• HP Laserjet Printer Model HP 1020PLUS	59,200
• HP Laserjet Printer Model HP 1020PLUS	7,490
• Auto Scan and Auto Steel software	4,50,000
• DELL Precision T 1700SFF CTO Base work station.	1,223,267
• DELL Latitude 14 5000 series (LAPTOP)	1,50,954
• Printer Laserjet M1136 MSP	10,920
• LCD Network Projector & ACCESSORIES	2,18,093
• Old LCD Projector shifting with new installation material	17,928
• Canon -iR -4225 Digital Copier/ N-W Printer /N-Wn	1,30,000
• HP Laserjet Printer M1136 MFP all in one	11,390
• Laptop HP Model 440G3	6,40,905
• HITACHI Make LCD Projector Model CPEX 3030 WNX	96,705
• Ceiling Mount Kit (Adjustable) for fixing projector	31,570
• Hydraulic Insta lock Projector screen	15,890
• Hydraulic Insta lock Projector screen	5,850
• Hydraulic Insta lock Projector screen	18,450

• Optima Data VGA Cable	92,000
• Universal Ceiling Mount Kit	10,950
• Optima Make DLP Projector	27,375
• Hp Leser jet Printer HP 1007	02,04,743
• HP Leser jet Printer HP 1007	463500
• BECN India Structural perpetual license soft wares	51750
• RISA 3D 8.025 users net work version	5500
• Optima DLP Projector	
• 80 watt Amplifier	
Total	116.44

TRANSPORTATION ENGG. LABORATORY	Cost (Rs in Lakhs)
• Benkleman Beam	21769
• Automatic Compactor for Marshal Test	78000
• 45 cm diameter GI Frame sieve sizes 125 mm,100mm,75mm,53mm,45mm,37.5mm,26.5mm,22.4mm,19mm,14mm,13.2mm,11.2mm,9.5mm,8mm,	7700
• Dimond Core cutter for bitumenous and concrete roads	292705
• Standard Penetration Test Apparatus set	46125
• AIMIL Point Load Index Tester 100 kN Sr.No.-10035	86303
• Load Frame Motorized	203130
• Specific Gravity Apparatus	47813
• Digital Compression Testing Machine of 3000 kN capicity AIM 320 EDG Sr.No. - 11056	461606
• Hardness Tester as per IS : 1195	54675
• Planetary Mixer 10 liters Capacity	110250
• Skid Resistance Tester as per ASTM E103 AIM 580 Sr.No. 12001	68248
• Soil Automatic Compactor	100000
• Compaction Mould Big Size	5500
• Compaction Rammer Big Size	3400
• Hydraulic Extruder	15000
• Universal Penetrometer with Automatic time controller	79200
• Flash and Fire point	25500
• Crushing Strength Mould	13350
• Aggregate Impact Tester	22380
• Ductility Testing Machine make IS 1208 as per specification	125147
• Rolling Thin Film Oven Tester	364390
• Water Bath	17850
• Centrifuge Bitumen Apparatus	24420
• Saybolt Viscosity Apparatus	28637
• Laboratory Oven	49224
• Absolute Viscosity Testing Equipment	3182
• Shape test thickness guage	2400
Total	23.57

SURVEYING LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Electronic digital TheodoliteDT2 • Electronic Distance meter RED 2L/S • Electronic Distance Meter PM81 • Automatic Base measuring system DI4L • GPS • Leica Disto • Laser Level • Laser Digital Tape • Fiber Glass Tape • Trough compass • Ranging Rod • Digital Planimeter • Binocular • Fan • DGPS • Lynx Automatic Level • Auto Level • Total Station • One Second Op. Theodolte 	<p>(7.90 Japanese yen) Dt.10.3.93 (16.55 Japanese Yen) Dt.10.3.93 (NRY 1,655,000) Rs.81728/- 22.151/-Swiss frank 156000 25875 30450 40500 11943 1800 4140 63900 8982 4200 1522107 20868 118000 1714800 247000</p>
Total (Only INR)	39.70

2 MECHANICAL ENGINEERING DEPARTMENT

Name of Laboratory	Cost (Rs in Lakhs)
Microsystems Engineering Lab	
<ul style="list-style-type: none"> • 4-Axis CNC WEDM along with software • Nd: YAG pulse laser system along with 4 axis CNC gantry • 4- Axis CNC Milling Machine • microbalance • spot welding machine • stud welding machine • Mikrotool multi-purpose machining centre • Laser alignment system • Fiber laser system • Micro-Hardness tester • Laser Micrometer • Surface roughness measuring machine • XY Motorized Precision stage with controller • Digital Storage Oscilloscope • Metallographic Microscope make 'Nikon' LV150L • XYθ Motorized Precision stage with controller • 3 D profilometer 	19.97 26.74 7.63 1.63 1.36 1.63 55.24 9.87 19.68 6.99 4.11 3.99 1.74 2.99 10.96 2.06 9.00
Total	183.85

Forbes Marshall Steam Technology Center	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Packaged Boiler, 750 Kg/hr., 10 bar at 190oC • Thermocompressor, • Steam trap test rig • Effimax online efficiency monitoring system 	50.00
Total	50.00

Fuels and Testing Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Computerized Multi-fuel Research Engine Test Rig PC based • Computerized Multi cylinder Petrol Engine Test rig <ul style="list-style-type: none"> i) Wagon R Engine ii) Instrumentation iii) P-Theta software • Dynamometer VCR Component –I • VCR Component –II (D C Dynamometer) • Gas Exhaust analyzer, Smoke meter 	9.6 1.01 1.27 3.00 3.74 1.13 3.37 4.5
Total	27.62

Fluid Machinery Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Francis Turbine Pelton wheel Kaplan Turbines Electro Hydraulic trainer 	<p>3.10</p> <p>2.98</p> <p>3.28</p> <p>1.45</p>
Total	10.81

I.C.Engine Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> 4 cylinder TCDE Test rig Instrumentation and Dynamometer Engine- Donated by TATA Motors 	35.00
<ul style="list-style-type: none"> Horiba Gas Analyzer Cooling Tower 4 cylinder TCDE Test rig Donated by Kirloskar Oil Engines, Pune RICARDO Simulation Software (1-D and 3-D Engine Simulation) AVL Boost Simulation Software (1-D and 3-D Engine Simulation) 	<p>35.00</p> <p>3.0</p> <p>3.5</p>
Total	76.5

Heat Transfer Lab		Cost (Rs in Lakhs)
Air Flow Bench with Data Acquisition system. Flow Visualization using smoke technique. Thermal Imager, Attachment for experimentation on Single and Mutlijet impingement	Emissivity Measurement Stefan Boltzmann Apparatus <ul style="list-style-type: none"> Pin fin apparatus, Stefan Boltzmann apparatus, Forced convection apparatus, Emissivity measurement apparatus, Thermal conductivity of insulating powder apparatus, Thermal conductivity of liquid apparatus, Heat exchanger apparatus, Drop and film wise condensation apparatus, Computerized Heat Exchanger test rig. 	13.85
Total		13.85

Vibration and Acoustics lab	Cost (in Rs. Lacs)
Electro-dynamic Vibration Shaker with Controller and Power Amplifier	12.15
Modal Shaker	2.53
4-Channel Vibration Analyzer, Impulse Hammers, Miniature tri-axial accelerometers, Pressure field microphones	3.67
Vibration analysis software, Modal analysis software, Non-contacting type tachometer	4.47
Total	22.82

Sound and Vibration Lab	Cost (in Rs. Lacs)
LMS Virtual Lab Software CD	6.75
COMSOL version 4 Software CD	1.3
Total	8.05

Stress Analysis lab	Cost (in Rs. Lacs)
<ul style="list-style-type: none"> • Universal Testing Machine (100 kN) • Computerized Axial Fatigue Testing Machine (40 kN) • Diffused Light Polariscopes • Oscilloscope 4 Channel • Fatigue Testing Machine (Bending fatigue) 	9.76 9.56 1.33 1.32 4.72
Total	26.69

Theory of Machines Lab	Cost (Rs in Lakhs)
Wear test rig	4.53
Total	4.53

CAD-CAM Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Auto CAD • CATIA • Ansys • TK Solver Rel.5.0 Software • Optistruct • Hyperworks • ProEngineers • Creo 	9.00 8.94 8.32 4.95 8.52 23.16 8.33 17.00
Total	88.22

ECM- Non Conventional Energy Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Ultrasonic Flow meter • Gas Chromatograph • 4 Helio-stat Assembly • Trainer solar photovoltaic power generation • Solar flat plate collector • Trainer storage technology • Parabolic trough collector trainer • Test rig energy Audit 3 centrifugal Pumps • Test set up for evaluating performance of different solar photovoltaic panels 	1.7 4.77 8.20 3.3 2.83 6.3 4.25 1.4 1.05
Total	33.8

COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY

System Software Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Number of PC's : 24 Configuration : Desktop PC with Pentium i5 processor 3.09 GHz, 4GB, 500 GB HDD, Dual Boot Ubuntu 11.04 as well as WinXP HP-Model : HP-compaq 6200 pro small factor • Projector: INFOCUS 	9.94
Total Machines - 24	9.94

Advanced Software Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Number of PC's : 20 Configuration : Dell Optiplex 9020 SFF Desktop Systemes, Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu • Projector :Infocus 	9.04
Total Machines – 20	9.04

Database Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Number of PC's : 21 Configuration : Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu 	6.56
Total Machines - 21	6.56

Graphics and Multimedia Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Number of PC's : 20 Configuration : Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu 	6.25
Total Machines - 20	6.25

Digital and Microprocessor Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> NV 6550 Digital Kits Number of PC's : 9 <ol style="list-style-type: none"> Configuration : Desktop PC with Pentium i3 processor 3.07 GHz, 4 GB DDR, 250GB HDD, Dual boot WinXP as well as ubuntu HP-Model : Z200 workstation Number of PC's : 4 <ol style="list-style-type: none"> Configuration : Desktop PC with Pentium i3 processor 2.93 GHz, 2 GB DDR, 250GB HDD, Dual boot WinXP as well as ubuntu HP-Model : Compaq 8100 elite. 	1.58
	2.51
Total Machines - 13	4.09

Network Security Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Dell Optiplex 9020 SFF Desktop Systmes: 15 Dell Optiplex 9020 SFF Desktop Systmes, Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu Sun Microsystems Workstations: 10 (donated) Workstation with 24" LED Monitor HP Z230S T1P09PA 	1.75
Total Machines – 25	1.75

Programing Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Number of PC's : 21 Configuration : Desktop PC with Pentium i5 processor 3.09 GHz, 4GB, 500 GB HDD, Dual Boot Ubuntu 11.04 as well as WinXP HP-Model : HP-compaq 6200 pro small factor Projector-BENQ 	8.69
Total Machines - 21	8.69

NVIDIA Graphics Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Number of Machines : 16 Dell Percision T 1700 SFF Base Workstation Systems with Nvidia Graphics card Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu 	13.04
Total Machines - 16	13.04

FOSS Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Total Number of Machines : 51 HP Compaq 6200 : 50 No's <ol style="list-style-type: none"> Configuration : Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu HP XW 9400 Workstation : 01 No. <ol style="list-style-type: none"> Desktop PC with Pentium IV Dual core AMD Opteron™ processor 2600MHz, 4GB DDR, 160GB SATA HDD, Dual Boot WinXP as well as ubuntu 10.04 Projector : DLP X-Series Texas Instruments 	16.20
Total Machines - 51	16.20

Central Computing LAB	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Total Number of Machines : 180 Configuration : Desktop PC HP Compaq 6200 pro small form factor, Processor intel core i7 3.40GHz, RAM 4 GB, 500GB HDD, Dual boot Win7 as well as ubuntu 	56.2
Total Machines - 180	56.2

List of Software's installed on all Computers

- Oracle 9i
- Rational Rose
- All Microsoft License Software (Microsoft academic alliance)
- e.g. .Net, Share point, Office, MSSQL etc.
- JAVA, C, C++, Ruby, Eclipse etc.
- MATLAB
- ProSim
- NetSim
- 20Sim
- Ansys and Catia
- Auto Desk
- Clementine data mining tool
- MAYA
- Adobe Software
- GCC
- Python
- OpenOffice
- Netbeans

4 ELECTRICAL ENGINEERING DEPARTMENT

1. Basic Electrical Engineering Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Trolley mounted Experimental set up (10 nos) • Electromagnetic set up (10 nos) • Digital multimeters and components 	 13.84 0.95 1.5
Total	16.29

2. Control Systems Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Rotary control module with software <ul style="list-style-type: none"> ▪ d space 1104 ACE • PLC trainer interface • Rotary incremental encoder • DC position system • AC position control module • DC servo system • DC speed CS-1 1 hp DC motor • AC servo motors • Other equipments • Magnetic Levitation System • Coupled / Quadrapel tank model • dAPACE education kit • Industrial Plant Emulator • Coupled Pendulum Model 	 13.89 4.0 5.89 1.86 1.14 0.61 1.06 3.14 0.55 15.85 3.62 3.55 4.90 7.04 6.63
Total	73.73

3. Microcontroller, DSP and Embeded Systems Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • L & T make WG-1230 logic analyser • TMS 320 F 2407 DSP M trainer Kits • Oscilloscopes HIL 5024 • 8951 trainer system • DSO TDS 1002 SNCO37379 (2 nos) • DSP kits • Other equipments • ACE-MLBX dSPACE Adv.control Edu.Kit 	 3.45 3.90 1.4 0.49 1.0 0.34 5.21 13.71
Total	29.5

4. Electrical Machines Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Modified Experimental Setups (4 nos) • All in one test bed for rotating machine setups (3 nos) • Other equipments (Machines, Eddy current dynamometer, four quadrant drive, DMM, Tachometer, clamp on meters etc) • Power converter module (4nos) • P.M.Gen. P.M.Motor test bench • 3 KW Wind Turbine (750W 4 nos) • FHP dynamometer 	46.72 17.38 23.47 7.88 4.17 4.51 4.71
Total	108.84

5. Power Electronics Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Micro Pulser Generator (VPET-103A) • IGBT, 3 phase Inverter • DSO 60 Mhz, 2 channel, Tektronix • Mixed signal oscilloscope 200 MHz,2024 • DSO TPS 2014 B,100 MHz • Arbitrary function generator • DSO TPS 2002C, 70 MHz • Programmable DC power supplies (2 nos) • Isolation transformers • Power analysers WT230 • Other equipments 	1.32 1.09 2.03 2.17 3.79 1.35 2.17 1.52 1.00 4.6 4.78
Total	25.82

6. High Voltage Engineering Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • DC HV Digital Meter • Impulse Generator • FFT Analyser 100 kHz, 2 channel • Power analyser WT 230 • Power scope 881 A • Digital electrometer 8340A • Resistivity Chamber R 12704 • 6 channel power analyser • Clamp on power meter • Digital motor protection relay • Earth tester • Tachometers (2 nos) • Analysing recorder • High resolution accuracy DMM • Other equipments 	1.24 36.50 3.94 3.98 3.62 0.96 0.96 14.86 6.92 1.43 1.68 1.24 3.28 2.38 6.12
Total	89.11

7. Power Systems and Protection Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> ▪ Relay Testing Kit ▪ Electrical Power Transmission Line Training System ▪ Trolley protective relay unit ▪ Other equipments (Rectifiers, power supplies, conditioning cards etc) ▪ Relay trainer ▪ Synchrophasor based distance relay(2 Nos.) 	16.31 3.39 3.82 3.41 17.48 17.57
Total	61.98

8. Analog and Digital Electronics Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> ▪ Component development board ▪ Analog Kits • Digital Kits: 30 ▪ DSO, 60 Mhz, D 36060 CA ▪ CRO, 20 MHz, 3305 S ▪ CRO 20 MHz, 2 Channel ▪ Multi output DC Power Supply ▪ Function generator SG 1602 C ▪ 10 MHz function generator, Scientec ▪ LCR Q Meter sorter ▪ Other equipments (Multimeters etc) 	0.49 1.30 0.87 1.47 0.84 1.05 0.57 0.96 1.63 0.31 6.04
Total	15.53

9. Power System Computational Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • PSCAD software • ETAP • ATP/ EMTP software (Open source) • Transient stability (Open source) • Scilab (Open source) • MATLAB (Open source) • Load flow (Open source) 	2.36 8.35 ----- ----- ----- ----- -----
Total	10.71

10. Electromagnetic Computational Lab	Cost (Rs in Lakhs)
Electromagnetic simulation softwares	4.63
• Maxwell 12	2.60
• Magnet	-----
• MATLAB (Open source)	
Total	7.23

11. Control System Simulation Lab	Cost (Rs in Lakhs)

• MATLAB software (Open source)	2.86
• PSIM	-----
• Scilab (open source)	9.41
• d SPACE	
Total	12.27

12. Industrial Electrical Systems (Electrical Workshop)	Cost (Rs in Lakhs)
▪ 15 HP AC drive with panel	0.90
▪ 10 hp DC drive	0.20
▪ Insulation tester	0.67
• Leakage clamp on tester	0.28
▪ Digital power meter WT 230 (2 nos)	4.6
▪ DL 750 Scope corder	10.17
▪ DSO TPS 2014 S	1.89
• Three phase auto transformer (4 nos)	1.08
• Clamp on testers	0.78
Total	20.57

13. Electrical Measurement lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> ▪ AC parameter measurement units (5 nos) • Luxmeter ▪ Gaussmeters ▪ Power analyser ▪ Trivector meter 	2.18 0.26 1.27 2.2 0.15
Total	6.06

14. Departmental Library	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Books (600 nos) • E-Journals (IEEE, Science Direct) 	2.5 -----
Total	2.5

15. Project Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Equipments like, Solder guns, Oscilloscope, Ammeters, voltmeters, Wattmeters, power supplies etc. 	4.10
Total	4.10
Grand Total	599.42

ELECTRONICS & TELECOMMUNICATION DEPARTMENT

1.Electronics laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • CROs, -(15) • Function Generators-(9) • Multi- meters,-(6) • Experimental Kits,-(40) • Power Supplies-(11) • Function Generators,- (7) 	3.20 0.45 0.18 0.61 0.44 0.28
Total	5.16

2.Power Electronics Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Power electronics kits, -(24) • AC/DC drives, Motors, -(3) • Stepper Motor Drive,-(1) • Power Scope, CROs, -(10) • Power Scope(Lecroy)-(1) • Function Generators,-(2) • Power Factor meter,-(1) • SMPS, UPS, -(1) • Digital Tachometers, -(1) • Power Supplies -(10) • Single Phase SCR fired Dc Drive -(1) • SCR Converters and reactive Loads -(1) • SCR and AC Phace Control -(1) • Three Phase Power Quality Oscilloscope -(1) 	5.00 2.50 0.50 2.50 4.00 0.10 2.50 0.10 0.10 1.70 0.44 0.39 0.24 3.66
Total	71.44

3.Digital Signal Processing Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Dual –Core Processor based Personnel Computers-(15) • CODE Composer Studio • TMS 320XX DSP Processors 	3.75 0.25 0.20
Total	4.20

4.Digital & ICA Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Digital Trainer Kits, -(14) • 8085 Microprocessor and Peripheral Kits , -(10) • CROs, -(9) • Function Generators, -(7) • Multi- meters, -(8) • Power Supplies -(13) 	1.40 1.00 1.80 0.28 0.16 0.52
Total	5.16

5. Communication Laboratory.	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Analog and digital communication kits,(15) • Digital Storage Oscilloscope, (12) • Distortion and level meters,-(1) • Intel core-i7 @ 3.4 GHz Personnel Computers -(07) • Microwave Integrated Circuit Analyser -(1) • SDR and reciever, 3G Communcation System • Wireless Digital Radio Transmitter-SDR & Receiver • Understanding of 3G Communication system • Digital Communication Training System. • AMITEC Make C&S Band Satellite 	12.86 26.78 2.00 2.35 2.06 6.4220 3.39 1.87 1.87 3.65
Total	63.252

6.Measurement Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Mixed Signal Oscilloscope, • Digital Phosphorus Oscilloscope, • Logic Analyzer, • Network Analyzer • Spectrum Analyzer, • Arbitrary Waveform Generator, • Field Strength Meter, • LCR –Q Meter • Synthesized signal Generator • 100/200 MHz Cathode Ray Oscilloscope • Vector Network Analyzer • EMI Test Receiver • Advance Spectrum Analyzer • Vector signal Generator 	40.00 9.63 5.26 50.62 3.86 4.50 24.36 4.00 2.00 3.21 30.50 27.80 15.03 13.50
Total	234.27

7. Internet Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Intel core-i7 @ 3.4 GHz Personnel Computers (40) 	13.44
Total	13.44

8.Microwave Labarotary/ Audio-Video Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Microwave Bench, -(1) Microwave Power Meter, -(1) Microwave Oven ,-(1) Antenna simulation software PCAAD Colour TV Trainer Kits -(2) TV CD Display Display for Wobbulator VCD Player Trainer kit -(2) Colour pattern generator 	.88 7.33 0.09 4.00 0.80 0.30 0.50 0.80 0.10
Total	14.80

9.Fiber Optics Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Optical Spectrum Analyzer, OTDR, FOC experimental kits, Dual –Core Processor based Personnel Computers(10) Laser Fiber Optic Trainer, source, Power supply -(1) Advanced Fiber Optic Trainer Benchmark Optical Fiber System-IV, Communication Trainer Kit WDM-Trainer kit OTDR Trainer Kit Optisim-4.0 Simulation Software 	10.87 7.02 1.00 3.00 1.92 1.99 7.68 1.50 1.35 8.74
Total	45.07

10.Post Gradution Laboratory -I	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Dual –Core Processor based Personnel Computers-(34) 	9.00
Total	9.00

11.Post Graduation Laboratory -II	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Dual –Core Processor based Personnel Computers-(11) Intel P-IV 3 GHz Personnel Computers –(13) 	3.30
	5.20
Total	8.50

12.Image Analysis Center	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Standard Finger Print Programming Cable –(1) Serugen 500dpi USB optical Finger print scanner –(1) Palm Scanner USB with SDK –(1) Night Vision Digital Camera –(1) Cannon digital camera SX 12095 IR Camera, Lens, source High speed Camera 	0.14
	0.24
	1.97
	0.24
	0.16
	3.26
	16.56
Total	22.57

13 Center for Advanced Embedded Computing	Cost (Rs in Lakhs)
Lab I	
<ul style="list-style-type: none"> Dual –Core Processor based Personnel Computers-(11) Stellaris Guru Microcontroller Evaluation Kits v 1.0 based on ARM Corex - M3 LM3S608 (05): Donated by Texas Instruments 	3.465
Total	3.465
Lab II	
<ul style="list-style-type: none"> Dual –Core Processor based Personnel Computers-(11) Intel Atom Innovation Kits based on E6xx processor (02) : Donated by Intel 	3.465
Total	3.465

14.Embedded Systems Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • 8051 Family Development Tools and Libraries, 0.50 • Mini Cards with 8051 based 0.35 • Microcontrollers from Phillips, Analog Devices, Dallas, 0.25 • Analog I/O cards, Digital I/O cards, 0.20 • Alpha-numeric and Graphics Total LCD, Keyboard Matrix, 0.25 • Ethernet interface cards, 0.10 • PIC development system with 16F877 microcontroller and peripherals, 0.50 • PIC programmer, 0.25 • PC based Data acquisition system, 0.20 • ARM processor Kit and development tool set, 0.40 • Academic License of μ-COS(5), 0.35 • Intel P-IV 2.4 GHz Personnel Computers -(08) 2.00 • Qualnet Research Licence 7.56 • HP Z2400 Workstation 4.42050 • Metagraphics software and development boards 3.73 • DM 6446 (Da Vinche+ARM) Processor Development Board 	
Total	21.8805

15..VLSI Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Xilinx 7.1 I Software, ModelSim Software, 2.50 • DSP Application Software, 0.50 • FPGA Trainer, CPLD Trainer, 0.60 • Universal Trainer Kit For CPLD-FPGA Devices, 0.60 • Device Adapter, 0.25 • PCI Interface Cards, 0.25 • Embedded System Development Software Kit 0.50 • FPGA based Development Board -(2) 0.98 • Microwind Package 3.1 3.00 • Mentor Graphics Simulation Tool for VHDL 5.00 • Cadence Tool for Analog/Digital System Design 20.00 • Metor Graphics h Higher Education 2 (HEP-2) for Front end design(25 USER) 2.31 • Syuq-7000 Development Board 1.19 	
Total	37.68

16. PALM PRINT LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Dual –Core Processor based Personnel Computers-(15) • JAI AD-I80GE(2CCD Camera Visible NIR IR Lighting Source 	3.7
	1.5
Total	5.2

6 INSTRUMENTATION AND CONTROL ENGINEERING DEPARTMENT

Process Instrumentation	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • HART Based Industrial Flow Transmitter 3 D Scanner • Foundation Field Pressure Transmitter • Batch Process Pilot plant • Spray Dryer Unit • Control Valve Test Jig • Flow and Level Loop • Transmitters and switches • Evaporator System & accessories • Product Packing and Storage System • Quaduple Tank System • Air Compressor • UPS 30KVA • Workstation (Server) 'Dell Precision' with 22" Monitor 	1.02
	0.56
	7.80
	1.80
	2.20
	4.80
	3.20
	6.16
	7.68
	17.87
	8.07
	2.90
	3.10
	3.00
Total	70.16

Industrial Automation Center and PLC Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • DCS from Emerson Engg. ProcessManagement with hardware and Software • Rockwell Automation Control systemwith various Control Panels and moduleswith software 	100.00
	9.80
Total	109.80

Pneumatic & Hydraulic Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Electro Pneumatic & Electro Hydraulic system simulation Software • Pneumatic Trainer Kit • Electro Hydraulic Trainer Kit • Camera NI 1742 Smart Sr.no-780147-01 	3.43
	3.67
	7.63
	1.90
Total	16.63

Computer Centre	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Computer System Dell Optiplex 9020 SFF 	8.00
Total	8.00

Digital Signal Processing Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • TI 6713, LCDK6748 and ADSP 2100 development board with Code Composer Studio • 20 Desk top Computers with 20SIM software 	4.00
	5.00
Total	9.00

Biomedical / Clinical Laboratory, Simulation / Modeling and Prototyping Center	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Multipara-monitoring system • EMG machine • Defreezer and Humidity Control • NI PXI Measurement and Test set up with LABVIEW • ELVIS Workstation with LABVIEW • NI Control and Mechatronics Set up With Various NI Tool Kits • Vibration Analysis set up with NI Toolkit • Embedded vision System • Robotics Starter Kit, LabVIEW for ARM Kit with IDE • Resistivity Test Fixture • Motion Controllers & Motor Drives • Spectrum Analyzer • Iris Image Processing System • Computer System Dell Optiplex 9020 SFF 	1.50
	10.58
	1.20
	6.50
	5.50
	6.20
	4.25
	7.50
	2.40
	2.43
	1.82
	7.74
	8.11
	4.34
	2.30
	9.65
Total	82.02

Embedded Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Pattern generator & Logic analyzer • Various Microcontroller development boards • Universal programmer ARM 9 boards / C – Cross compilers for microcontroller • VLSI and FPGA boards • ZedboardZYNq -7000 • Video Processing Development Setup • Motor Setup 24V, 1500 rpm • Multiparamonitor system 	2.94 0.86 1.30 3.50 2.14 2.40 4.46 0.30 0.80
Total	18.7

Control Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Linear Control Simulator • Digital Control Kit • Compensator design kit • DC motor position and speed Control set up • Stepper motor control 	0.20 0.25 0.32 0.31 0.18
Total	1.26

Sensor and Analytical Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Gas chromatograph • UV-VIS Spectrophotometer • Flame photometer /pH meter • Trace Oxygen Analyzer • Electrochemical Microbalance • Combined PH+ Conductivity Meter and Karl Fischer Titrator • Visible Spectrophotometer • Spin coating machine 	3.80 1.60 0.56 3.90 8.19 2.30 0.85 0.95
Total	22.15

Advanced Control Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • 2-DOF Helicopter System • Active Suspension System • Coupled Tanks System • Control Engineering Workstation • Magnetic Levitation system • Unmanned Vehicle System • 2DOF Serial Flexible Joint System • 2DOF Serial Flexible Link System • Inverted Pendulum • Double Inverted Pendulum • Ball and Beam • Flexible Link • Flexible Joint • Remote Ball Sensor Module • QUBE • ABS System include mechanical unit,power supply unit RT-DAC/USB 2.0 • 3 DOF Gyroscope 'Quanser' 	93.00
Total	93.00

Electronics Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Xilinx - High performance DSP Solutions Spartan 3A DSP Video Kit • Digilent Spartan 3E Starter, Xilinx-Virtex-5 FPGA Evaluation Platform (ML507) Box • Xilinx XUPV5-LX110T Evaluation Platform • Tektronix DSO (Serial No TPS2024 C010318) with key and Transcend card reader, Voltage and Current Probe • Function Generators and DSOs • NI ELVIS II with digital electronics FPGA board • Zed board ZYnq -7000 • Mixed Signal Oscilloscope • Solar array simulator 	29.91
Total	29.91
Grand Total	475.13

7 DEPARTMENT OF METALLURGY AND MATERIAL SCIENCE

Material Testing Laboratory	Cost (Rs in Lakhs)
10 Ton UTM Machine	
<ul style="list-style-type: none"> • 60 T UTM • 10 T UTM • Erichsencupping test • Brinell-cum-Vicker hardness tester • Rockwell hardness testers • Digital Charpy Impact Tester • Torsion Tester (2016-2017) • Hardness Tester (2016-2017) 	10.12 5.07 0.40 0.09 0.05 2.19 4.06 5.50
Total	27.48

Spectroscopy Laboratory	Cost (Rs in Lakhs)
Atomic Absorption Spectroscopy	16.52
Total	113.38

Ceramics Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • TubularSinteringFurnace(1400°C) • Planetary Ball Mill • Chamber Type SiC Muffle Furnace • BET Surface area analyzer • Jar Mill • Laboratory Oven • Rotap Sieve shaker • Spray Dryer (Microcontroller Model SPD-M-111) • Control Atmosphere cum Vacuum Tube (Horizontal Tube) Si-C Furnace • Analytical weighing balance Universal Testing Machine (located in workshop) 	2.37 13.00 1.33 5.8 0.90 0.42 1.06 1.33 4.80 2.75 0.81 10.50
Total	45.07

Heat treatment Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Muffle furnaces 600⁰c • Muffle furnaces 1200⁰c • Muffle furnaces 1400⁰c • Fluidized bed Furnace • Carburizing Furnace • Gas Nitriding Furnace 	1.12 2.69 4.56 2.16 3.10 1.08
Total	14.71

Image Analysis Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Stereo-Zoom Microscope Image analyzer • Image analyzer with microscope • Stereo-Zoom microscope • Microhardness Tester • Metallurgical Microscope With Software 	11.18 2.40 4.16 2.25
Total	19.99

Physical Metallurgy Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Automatic polishing machine • Hot automatic Mounting Press • Optical microscopes • Lapping machines • Hot Mounting Press • Microscope -CCTV digital image 	2.89 2.06 1.84 0.04 0.04 1.57
Total	8.44

Chemical Analysis Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Analytical Balances • Strohlins Carbon Analyser • Electrogravimetric analyzer • Anodic Polarization set up 	1.77 0.22 0.07 0.42
Total	2.48

Powder Metallurgy Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Hot Press Sintering Machine • Cryogenic bath • Pin on Disc Machine • Fatigue Testing Machine • Rockwell Hardness Tester • Milling Machine • Cold Compaction Machine • Diamond Saw cutting machine • Densometer • Vacuum Sintering Furnace (1100^oC) • Tubular Sintering Furnace (1100^oC) • MoSi₂ Tubular Furnace (1600^oC) • Muffle Furnace (600^oC) • Muffle Furnace (1200^oC) • Oven • Vacuum System • Double Acting Compaction Press • Weighing Balance • Weighing Balance(old) • Optical Image Analyser • Four Points Probe Conductivity Meter 	13.5 10 3.5 3.5 0.5 2.0 5.5 1.75 0.5 1.5 1.5 5.0 0.45 1.8 1.75 1.75 2 1 0.5 2.25 6.5
Total(Rs.)	53.25
Corrosion Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Impedance analyzer • Potentiostat (Impedance analyzer) • Electrochemical quartz crystal micro balance (ECMB) • Salt Spray chamber • Ultrasonic stirrer and cleaner • Weatherometer • Pull Off Adhesion Tester • High Temperature Furnace • Gloss meter • Cyclic corrosion chamber m/c 	7.50 8.0 2.93 2.36 6.3 0.83 6.10 0.99 14.43
Total	49.44

Corrosion Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Desktop computers with softwares (60 Nos.) 	20.38
Total	20.38

Foundry and Sand Testing Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Medium frequency induction Furnace Centrifugal Casting machines Muller mixer Sieve Shaker Shell molding machine Sand testing equipment: UTM, Muller mixer, Permeability meter. Rammer etc. 	6.50 1.50 0.50 0.60 0.16 1.50
Total	10.76

Workshop/Metal working lab/machine shop	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Abrasive cut-off machine Hacksaw machine Rolling Mill Jaw Crushers and Roll Crusher 	1.60 1.14 2.40 1.00 0.06
Total	6.20

Polymer and Composites lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> Hot Compaction Machine Izod Impact Testing Machine (For Polymer) Melt Flow Indexer Injection Molding Machine (located in workshop) UTM machine (2 T) for Polymer and Composites Testing Twin screw extruder (Aasabi make) VST/HDT Apparatus 	0.88 0.44 0.73 9.00 3.25 21.0 1.60
Total	36.9

Nanocomposites Lab	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Four Points Probe Conductivity Meter • Precision Impedance Analyzer • 7.5 Digits Digital Multimeter • Electrometer • Dilatometer • Hydraulic Press (15 T) • Thermogravimetric Analyzer • Vacuum Oven • Ultrasonic bath • Differential scanning calorimetry (DSC) 	7.4 7.6 2.5 6.82 5.5 0.35 12.0 0.30 0.25 18.5
Total	61.22

Advanced Materials Technology	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • FTIR spectrometer • UV spectrophotometer • Galvanostat/ Potentiostat Interface 1000 • Galvanostat/ Potentiostat,600, USA (Courtesy of EATON) 	7.05 2.81 12.54 6.50
Total	28.9

Laser Material Processing	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • X-Y CNC Table, Scantech • Fiber Laser set-up (400 w) 	5.80 26.46
Grand Total	32.26

Surface Engineering Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Thermal Spray Coater • Wire Flame Spray System with Spray Booth • Powder Flame Spray System with Portable Grit Blasting 	4.10 3.80 4.10
Grand Total	12.00

Scanning Electron Microscope (SEM) Laboratory	Cost (Rs in Lakhs)
Field Emission Scanning Electron Microscope (FE-SEM) with EDS detector and Sputter (TEQIP Phase-II)	182
Grand total	182

PRODUCTION ENGINEERING AND INDUSTRIAL MANAGEMENT DEPARTMENT

Rapid Prototyping Laboratory	Cost (Rs in Lakhs)
• <i>Stratasys</i> FDM RP Machine 3D Scanner	20.00
• Fused Deposition Modeling RP Machine	9.87
• Laser Scanner	8.98
• Precision Table (X-Y)	0.49
• Software for X -Y table moment	7.38
• Light Sectioning Measuring Scope	96.10
• <i>Stratasys</i> Connex 350	3.21
• SLS based 3D printer	5.04
• LulzBot Taz 5 (3 No.)	0.77
• 3D Printer FDM	6.75
• 3D Scanner David SLS	12.10
• Artech Spider 3D scanner	32.00
• Laser Head for AM Machine SLS	11.52
• CO2 Laser Machine	21.53
• Automated solid Modeller & Fab. System	1.48
• Industrial Grade Dehumidifier	7.38
• Light Sectioning Measuring Scope	7.99
• Vision Capturing & Measuring System Rapid-I	0.43
• STC Tool Kit 1.0	0.32
• Belt Conveyor	0.49
• CCTV camera , DVR 4 Ch, Accessories	21.53
• Automated solid Modeller & Fab. System	19.64
• Auto Cast XI, E foundry, Melt IT labware	0.91
• HP Workstation Z238	0.26
• Fila Extruder Kit	
Total	296.19

Machine Tool Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • CNC Drilling Machine • CNC Milling 	
<ul style="list-style-type: none"> • CNC Radial Drilling Machine 	5.95
<ul style="list-style-type: none"> • HMT RAM Type Milling Machine 	4.16
<ul style="list-style-type: none"> • Kitsler Tool Dynamometer 	24.56
<ul style="list-style-type: none"> • Parkson Milling Machine 	0.19
<ul style="list-style-type: none"> • Planing Machine 	0.41
<ul style="list-style-type: none"> • Cincinnati grinder 	0.13
<ul style="list-style-type: none"> • Hindustan Milling M/C 	0.47
<ul style="list-style-type: none"> • Knee type Vertical Milling M/C 	0.35
<ul style="list-style-type: none"> • Hand operated dividing head 	0.05
<ul style="list-style-type: none"> • Grade I 12" stroke Shaping M/C Cooper 	0.03
<ul style="list-style-type: none"> • HMT Universal milling M/C 	2.22
<ul style="list-style-type: none"> • Universal Dividing Head 	0.71
<ul style="list-style-type: none"> • Pelter Bench type Drill M/C 	0.08
<ul style="list-style-type: none"> • Precision Bench type Drill M/C 	0.13
<ul style="list-style-type: none"> • Pelter Bench type Drill M/C 	0.14
<ul style="list-style-type: none"> • horizontal Spindle Hydraulic Surface Grinder 	0.71
<ul style="list-style-type: none"> • Pelter Pedestal type Drill M/C 	0.09
<ul style="list-style-type: none"> • Radial Drilling M/C 	0.09
<ul style="list-style-type: none"> • HMT Grinding M/C 	0.69
<ul style="list-style-type: none"> • Turret Milling M/C 	0.49
<ul style="list-style-type: none"> • HMT Radial Drill M/C 	1.09
<ul style="list-style-type: none"> • Stub Milling arbor 	0.14
<ul style="list-style-type: none"> • Circulator Sawing M/C 	0.10
<ul style="list-style-type: none"> • Universal machine vice 	0.08
<ul style="list-style-type: none"> • Servo Stabilizer 5.5 KVA 	0.17
<ul style="list-style-type: none"> • Accessories for MNC 2L CNC Control 	1.71
<ul style="list-style-type: none"> • Grinding Tool Dynamometer 	0.33
<ul style="list-style-type: none"> • CNC controlled speed Drive 	0.46
<ul style="list-style-type: none"> • Hacksaw machine 	1.55
<ul style="list-style-type: none"> • CNC 3D Milling/ Engraving machine 	11.25
<ul style="list-style-type: none"> • PVM40 VMC Machine 	19.48
Total	78.02

Metrology Laboratory	Cost (Rs in Lakhs)
• Profile projector	
• Slip gauge Set (2 No)	4.02
• Surface Roughness Tester	8.44
• Angle Dekker	1.55
• 3D coordinator Measuring Machine (brown and sharp make)	1.67
• Tool Micromeasure Measurescope	1.13
• Laser Scan Micrometer	2.65
• Laser Interferometer	7.80
• Roughness Measuring Instrument	15.11
• Optical Measuring Device	5.25
• Gear Rolling Tester metal	12.42
• Image Comparator System	0.48
• Auto Collimator with Accessories	0.50
• Power Master with angular contract bearings	0.89
• Computer Interface for for Contourograph	4.13
• Vernier Height guage	1.58
• Dial guage Mitutoyo	0.82
• Dial guage Mitutoyo	0.05
• Granite Surface Plate	0.09
• Tool Micromeasure Measurescope	0.06
• Profile Projector V-12A	2.60
• Supreme Specimen Set	4.02
• Spares for tester Centre Distance setting Scales; Pair of Arbors; Demo kit of gear; dial Guage 10mm	0.04
• Spares for tester Centre attachment; Gear attachment; arbor	0.25
• Anthropometry Set	0.50
• Smart Plazma	1.97
• Classroom talky audio system	0.72
• Air Compressor	0.10
• Dial Height Guage	3.10
• Dynamometer 9257B	0.11
• Modernization of Metrology Grinder	24.56
• Dial Indicator	4.27
• Articulated Arm/Spin Arm	0.07
• Atomic force Microscope	25.00
• Digital height gauge	22.65
• thread Measuring wire set	0.87
• 3 Wire Unit set	0.08
• Dial gauge Stand	0.38
• Measuring pin Set	0.02
• Pneumatic Comparator	0.08
• Rigid optical table	0.30
• Profile Projector	5.25
• Autocollimator Nikon (cost JPY975000)	5.16
	5.68
Total	176.42

CAD/CAM Laboratory	Cost (Rs in Lakhs)
Computer Lab I	7.80
<ul style="list-style-type: none"> • PLM CATIA V6 • H-Simulator & P Simulator (Festo Fluid Sim) • Autocad Licenses Autodesk Inventor • Simufact Forming • Reliasoft Software • Delmia • Automation Studio • CNC Simulator Software CIM / FMS Simulation Sytem 	6.63 20.00 6.00 5.37 4.00 11.60 8.40
Computer Lab II	1.06
<ul style="list-style-type: none"> • Systat • ProModel • UNIGRAPHICS (NX3) • IDEAS • Hypermesh • Witness • CAM Lab CNC • ArtCAM Software • Minitab 17 	1.82 9.00 7.95 7.05 3.73 9.05 5.50 4.82
Total	119.78

Flexible Manufacturing Systems (FMS) Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • CNC Milling Center • Turning Center • Robot • CNC Programming software • CNC Simulation software 	4.16 4.50 1.50 1.67 1.99
Total	13.82

Ergonomics Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Anthropometer sets • Human dynamometer set • Pressure mats 	1.96 1.93 5.26
Total	9.15

Non conventional Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Electric Discharge Machine (US ECDM Model EMS5030 with DRO system) • EDM Drill M/C (Near Dry) • Pulse Generator • Pulse DC Power Supply • Ultrasonic Transducer & Stock assembly • Ultrasonic power generator • Ultrasonic Tank • Ultrasonic rigid system • Electrospinning Apparatus • Rotary EDM Attachment • Dropsa Internal MQL System 	4.54 5.11 4.36 2.98 0.98 0.99 1.05 0.96 9.73 1.46 0.70
Total	32.86

Robotics & Automation Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • SG 5/6 – UT Robotic Arm Robotic Arm Complete Set • Toodler Robot kit • BOE-BOT Robot kit • Hexcranler robot kit • Robotic Cell Simulator • Six Axis handling Robot • Robotic Arm Complete Set with servo power supply • ER4h with robocell Software ER4u/ER5P to ER4H (3 No) • Transducer InstrumentationDyna -1750# 1023 • Robotic System Wheeled type • Robotic System T wo Legged type • Robotic System Six Legged type • Motoman SV 3X plus X RC Controller • Telescopic mast • Digital Multimeter • Digital Camera • Robosapien White • Colour CCD Camera with Lens • Safty fencing for Robot Cell • Storage Tank 20 Lit • HD Camera • Robot Industrial Arm 	1.50 1.21 1.91 1.95 1.81 0.75 1.50 3.00 2.16 3.62 2.12 4.09 14.37 0.60 0.05 0.16 0.06 0.33 0.56 0.04 0.29 25.50
Total	67.57

Computer Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Desktop ComputersDell (Qty-25 nos) • Desktop ComputersHP(Qty-61 Nos.) 	45.15
Total	45.15

ERP LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Personal Computers make HP (Qty- 30) • SAP Logon ECC-6 	9.58 4.08
Total	13.66

FAB LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • CNC Router • Epilog Laser Cutter • Vinyl cutting Machine • Scroll saw Dewalt make 120V • Oscilloscope Tektronix TDS 1002B • Portable Lathe M/C Model Turner 250x 400 max swing over bed-250mm • Torque Screwdrive Slip type • Soldering Station 1 channel 80W/230V with tips • Digital Storage Oscilloscope Gwinstek GDS 820C • Scroll saw Proxxon make Mini D54518 • Rotary Tool Small Hand Grinder • Software for Fab V. Lab • Bench Grinder • DLP Projector • Desktop PC Dell (5 nos) • Desktop PC VIP • Desktop PC HP pavilion (2 nos) • Sticking machine • Polycom Conference Unit • Instek Function generator • Polyaxial Spatial machining System • Multidimensional spatial scanning system 	10.96 6.78 1.35 0.41 0.87 1.47 0.19 1.06 0.87 0.41 0.11 6.41 0.12 0.50 1.83 0.29 0.69 0.02 0.58 0.17 8.91 15.46
Total	59.46

TEROTECHNOLOGY LABORATORY	Cost (Rs in Lakhs)
• Pin-on-Disc (TR20LE) with Environmental Control Chamber	5.50
• Dry Bearing Test Rig	1.86
• Ultrasonic Flaw Detector	5.20
• Atomic Absorption Spectrophotometer	0.81
• Direct Reading Ferrograph Model DR 5	14.96
• Dual Slide Ferrogram Maker: Model FMIII	19.95
• Bi-chromatic Optical Microscope (Olympus BX 51)	15.09
• Contact Deformation Test Rig	2.00
• Vibration Analyzer	3.00
• TR-20LE Machine	5.00
• Analytical balance	0.45
• Double Distillation Unit	0.45
• USB DAQ	0.86
• AAS Hood with Blower 25 Ft	0.47
• AAS Hood with Blower 20 Ft	0.24
• Gas Cylinder	0.31
• Pulse Generator	4.36
• Heating Attachment for pin	0.79
• Humidity Chamber	0.44
• Polyaxial Spatial machining System	8.91
• DRD System for NH-22 Lathe	0.45
• Hot air Oven, magnetic stirrer	0.71
• Spectro Fluid Scan	13.99
• Hot Plate	0.08
• Infrared temp. Laser	0.08
• Gas Controller & Purification System	0.28
• Dial Indicator0-100	0.07
• Test Rig-Raviprabha Engineering	1.71
• Oil Test Centre (OTC)	10.45
• Density Meter	2.20
• Electronic Flash Point Tester	4.00
• Pour Point Tester	0.15
Total	124.82

MECHATRONICS LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Torsion Testing Machine • PLC based Lift Simulator Model • PC-PID Based Multi- Process Control system • PLC based Bottle Filling Plant • Controller Package Microprocessor based Expt. Board 	
Total	29.41

RESEARCH LABORATORY	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Electrospinning Apparatus • POP Plating Process • Dynamic Mechanical Analyzer • Ultrasonically assisted Electrochemical discharge machine (Vibro-Rotary) • Auto Cast -XI • Nitrogen Cylinder, regulator • Cryocan with accessories • Etrema Transducer CU18A 	
Total	79.64
Grand Total	1146.67

Workshop

Turning shop	Cost (Rs in Lakhs)
• LEBZOND Lathe Machine USA D 9729	0.11
• Churchill Redman England Lathe - 6948	0.11
• TRAUB (India) Single Spindle Automatic Lathe-25011268	0.69
• Capstan Lathe Model RV/40 Machine No.216/15351	0.20
• Qetcos HMT LT-20 Lathe-2402 (Qty-09)	6.38
• Milling machine- Parkson	0.19
• Planning Machine	0.41
• Radial Drilling Machine- HMT RM 61	0.16
• Shapping machine - MODGIL	0.06
• Shapping machine- Cooper	0.06
• Bench Grinder	0.08
• Grinder & lapping machine	0.07
• Milling Machine – Universal HMT FN3U	0.47
• 1" Drill machine (Thakoor BDMG-20)	0.15
• Vertical milling machine- Bharat fritz Werner	0.35
• Tool Cutter & Grinder- CINCINNATI MD111	0.07
• Hydraulic saw machine	1.87
• Universal milling machine (Hindustan)	0.35
• Cylindrical Tool grinder- HMT-G9	1.09
• Drilling machine	0.02
• Drilling machine Bench type	0.13
• Drilling machine Bench type	0.15
• Surface Grinder- AVRO Model no.-5	0.70
• Radial drilling machine HMT RM-61	0.09
• Internal grinding machine	0.86
• Turret Milling machine- HMT-M1TR/3601	179.5
• Radial drilling machine HMT RM-62	19.48
• Knee type milling machine	3.50
• CNC Lathe Machines (10 No.)	
• Vertical Machining Center (VMC)	
Total	213.80

Carpentry shop	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Electric Grinder • Bench Vice 6" • Bench Vice 3.5" • Water stone Iron stand 5'8"x23"x2'9" • Electric Band Saw Delta make,.75hp,H-786720M62-4470 • Circular sharpening grinder (ES-5) • Thickness Planer • DOMINION Ele.Circular saw 20" with 5 hp motor • Wilson make ele.grooving machine • Carpenter's Vices • Wood Turning Lathe • Bench Vice 7" shivaji make • China jar for French polish • fitting vice shivaji make • Pillar type drilling machine with 0.25 H.P.Sr. no 980120 • Carpentry Clamps 5' W/S made • steel cupboards major 1980x910x480 • Wood cutting Saw M/c Bosch Make (Model No. 5775) • Planner M/c (Bosch Make) • Jigsaw BOSCH GST BE • Circular Saw BOSCH GKS 190 • Orbital Sander GSS 280 AE • Orbital Sander GEX 150 AC • Cutting Machine GOF 900 CE 	0.01 0.01 0.01 0.01 0.02 0.01 0.02 0.03 0.08 0.02 0.02 0.01 0.14 0.01 0.09 0.01 0.08 0.11 0.02 0.02 0.02 0.02 0.01 0.02
Total	0.80

Fitting Shop	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Anvils 9" x 4" x 2" • Surface Plate 9" x9" x2.5" • NEI Bench Grinder 8" wheels ,double ended,3 phase, 440 volts, • Pillar type Drill Machine Capacity 13mm,Pulley driven, Motor • Apex make Bench Vice Fixed base size 4.5" 	0.04 0.01 0.10 0.28
Total	0.43

Tin Smithy shop	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • C.I.Table 6.3X3"x2.8" • Bench Vice 6" • Portable forge • Bench vice 4.5" • Bench vice 3.5" • Shearing machine • Beck iron • Side Stacks • Crease Iron • Funnel Stacks • Pipe Vice • Cutting Machine BOSCH GSC 2.8 • Nibbler BOSCH GNA 2.0 • Sheet cutter BOSCH GST 2.0 BE • Nibbling machine and Grinder 	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 3.46
Total	3.59

Smithy Shop	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Furnace • Shearing punching machine • Blower with electric motor • Stapple Vice 6" Jaw • C.I. surface plates • Pneumatic Power Hammer • Jeco make grinder, motor • Flatters • 25T Hydraulic Press 	0.05 0.02 0.01 0.01 0.09 0.15 0.01 0.01 16.60
Total	16.95

Welding Shop	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • Advani oerlikon make Air cooled welding transformer s.no.35/79598 • Anvils English • MIG welding outfit 150 amp s.no.200-90 • single phase welding transformer 6KVA rating, electrode size 10to16 gauge, Hand Grinder set with accessories • Portable Drilling Machine BOSCH • Spot Welding Machine KJ make 20 KVA 	0.08 1.25 0.07 0.07 1.25 1.40
Total	4.12
Grand Total	249.69

APPLIED SCIENCE DEPARTMENT

F. Y. B. Tech. Chemistry Laboratory	Cost (Rs in Lakhs)
<ul style="list-style-type: none"> • LPG connections 	0.14
<ul style="list-style-type: none"> • Water Analyzer Kit 	0.05
<ul style="list-style-type: none"> • Water Demineralization plant 	0.81
<ul style="list-style-type: none"> • Gas line setup 	0.08
<ul style="list-style-type: none"> • Microprocessor Based pH System 	1.35
<ul style="list-style-type: none"> • RO based Water purifier 	0.56
<ul style="list-style-type: none"> • Fabricated DTA 	4.45
<ul style="list-style-type: none"> • Fabricated TG equipment 	1.10
<ul style="list-style-type: none"> • Afcoset Microprocessor control electronic Balance 	1.10
<ul style="list-style-type: none"> • Digital Electronic Weighing Machines (Units-4) 	4.00
<ul style="list-style-type: none"> • Note Book PCs (Four numbers) 	1.50
<ul style="list-style-type: none"> • Pentium IV Computers (Six numbers) 	2.20
<ul style="list-style-type: none"> • Lab guard Fume hood 	2.50
<ul style="list-style-type: none"> • Inert high temperature work platform 	1.00
<ul style="list-style-type: none"> • Ball mill 	0.50
<ul style="list-style-type: none"> • Hydraulic Pellet press and die set 	0.50
<ul style="list-style-type: none"> • Flame photometer 	0.49
<ul style="list-style-type: none"> • Flame photometer 	1.98
<ul style="list-style-type: none"> • Colorimeter 	0.50
<ul style="list-style-type: none"> • 979 VA Computrace – Cyclic voltameter 	7.56
<ul style="list-style-type: none"> • High temperature furnace 	0.72
<ul style="list-style-type: none"> • U.V. Spectrophotometer (lab India) 	3.57
<ul style="list-style-type: none"> • Laminar Air Flow 	0.85
<ul style="list-style-type: none"> • Trinocular Research Microscope 	0.60
<ul style="list-style-type: none"> • Magnetic Stirrer with Teflon needle 	0.40
<ul style="list-style-type: none"> • Hot Air Oven 	0.34
<ul style="list-style-type: none"> • Incubator 	0.39
<ul style="list-style-type: none"> • Autoclave 	0.12
<ul style="list-style-type: none"> • Double distillation Unit 	0.49
<ul style="list-style-type: none"> • Bomb Calorimeter 	2.63
Total	Rs in lalkhs 42.48

11 PHYSICS DEPARTMENT

F. Y. B. Tech. Physics Laboratory	Cost (Rs in Lakhs)
• Fiber Optics Trainer & Multimeter	1.00
• Law Of Malus	0.93
• Digital Polarimeter	1.04
• Spectrometer	0.67
• Laser Expt. Setup	.973
• Electron Diffraction	3.59
• Frank-Hertz Expt	2.88
• G M Counter	.87
• Hysteresis Loop Tracer	2.28
• Newton's ring set-up	1.36
• Brewster's angle set-up	0.27
• Four probe Setup	2.08
• Hall Effect Setup	2.07
• Thomsons Tube	.61
• Planks Constant Experimental Model	0.61
• P-N Junction characteristics measurement setup	2.95
• Dielectric constant measurement kit for solids	1.58
• Electromagnets with power supply	2.23
• Faraday effect Experiment kit	1.53
• Biot Savarts Law	6.93
• High Temperature Vacuum Furnace	3.27
• Centrifuge machine	4.50
• Sonicator	0.75
	0.11
Total	46.123

LIBRARY**Collection Statistics of the Library**

- **Actual available – 139093**
(79835+42553+12506+4199) (Development +Book Bank+ e- Books+ TEQIP)
 - Total no of volumes – 139093
 - Total no of titles -43521
 - Total E-Books-12506
 - No. of National Journals- 189 (Print copy)
 - No. of International Journals-112 (Print copy)

- **The library has a collection Link to E-resources as detailed below:**

ACM digital Library	http://dl.acm.org/
ASCE	http://ascelibrary.org/journals/all_journal_titles
ASME	http://asmedigitalcollection.asme.org/
IEL (MultiUsers)	http://ieeexplore.ieee.org/
Science Direct (PG)	http://sciencedirect.com/
Springer Link	http://link.springer.com/ http://springerlink.com/
Blackwell Wiley	http://onlinelibrary.wiley.com/
J-Gate Engg & Tech	http://www.jgateplus.in/
MGH Access Engg	http://accessengineeringlibrary.com/
ASTM Digital Lib	http://www.enterprise.astm.org/
Scopus Database	http://www.scopus.com/home.url
Indian. Standards	http://10.1.66.47/bis_asp/
Springer e-Books	http://link.springer.com/
IEEE-Wiley e-Books	http://ieeexplore.ieee.org/
IEEE-MIT e-Books	http://ieeexplore.ieee.org/
NPTEL Video Lect	http://www.coep.org.in/
N-List (INFLIBNET)	http://nlist.inflibnet.ac.in/
Catalogue Browser (Web SLIM 21 ex)	http://www.10.1.66.47/W27/

- **Facilities:** Reprographic, LAN, WAN, Internet Connectivity, Book Bank, Educational Multimedia, Automated Services, Additional Server linked Systems, Computer Centre, Eklavya Channel, NPTEL videos.

TRAINING & PLACEMENT CELL*Presenting Distinctions to the Distinguished***The major activities conducted by Training and Placement Cell:**

- Organized the campus recruitment for B. Tech and M. Tech students
- Organized workshop on resume writing, how to face interviews? Do's and Don'ts in Group discussion, interviews, mock interviews
- Organized mock seminars and assessment tests for all the eligible students for placements before the actual placement process begins.
- Provided at least one job to all eligible students.
- Connected students to Industries for various event sponsorship and in-plant training /internship

Placement Statistics: 2016-17										
Sr.	Branch	Enrolled	UG	%	Enrolled	PG	%	Tot	%	SJ
1	Computer Engineering	72	68	94.44	13	8	61.53	76	89.41	
2	Information Technology	67	66	98.5	--	--	--	66	98.50	1
3	Electronics & Telecommunication	70	60	85.71	67	37	55.22	97	70.80	11
4	Mechanical Engineering	142	131	92.25	61	38	62.29	169	83.25	6
5	Production Engineering	62	51	82.25	45	21	46.66	72	67.28	13
6	Electrical Engineering	74	68	91.89	28	21	75.00	89	87.25	16
7	Instrumentation & Control Engineering	40	35	87.50	33	10	30.30	45	61.64	6
8	Metallurgy & Materials science	45	33	73.33	24	3	12.50	36	52.17	1
9	Civil Engineering	58	28	46.55	65	20	30.76	47	38.21	1
10	Planning	55	15	27.27	--	--	--	15	27.27	2
		685	555	81.02	336	158	47.02	712	69.74	57
Total No of Companies visited: 210										

Salary Structure:

- The Salary Packages offered in the Institute ranges from INR 3.00 Lakhs per annum to 29.50* Lakhs per annum based on the type of the company.
*Rs. 29.50 Lakhs offered by DE Shaw this year.
- Software / IT companies - salary ranges from INR 3.00 to 4.50 LPA
- Core Companies- salary ranges from INR 3.50 to 29.50 LPA

Major companies who visited COEP for campus recruitment this year:

Sector	Companies
Automobile	Bajaj Auto, Tata Motors, Suzuki Motors, Mahindra & Mahindra, Mercedes Benz, Fiat Chrysler, Ashok Leyland, Hero Corp, TVS motors, Renault Nissan, Hyundai, Force Motors, Ford, Volvo Commercial Vehicle.
Bank	Goldman Sach, HSBC, Credit Suisse, Barclays, Deutsche Bank
Communication	Vodafone, Idea cellular
Consulting	ZS Associates, Black & Veatch, DAR Group, Vedanta, Toyo Engineering, Aker Solutions, Thyssenkrupp Industrial Solutions, Uhde India Pvt. Ltd.
Financial	D. E. Shaw & Co., Aecessium India, Morgan Stanley
IT	Tata Consultancy Services, Infosys, Cognizant Technology Solutions, IBM Global, Capgemini, L & T Infotech, Atos.
IT (R&D)	Infosys, Tata Consultancy Services, Capegemini
Engineering	Texas Instruments, Segate, Siemens Technology, Rolls Royce, Siemens Ltd., GE Digital, L & T Ltd., Sun Pharma, Honeywell, Amazon, Whirlpool, VM Ware, Avaya, Citi Corp, Bosch, Cummins Ltd, ION Trading, SAP, IDEAs, Amura Technologies, Tata Steel, ABB, Sansung India, Veritas LLC, Finiq, Bharat Forge, Eaton, L & T Construction, EQ Technologies, Alepo Technologies, VE Commercial, Oracle, Searce Logistics, CLSA Technologies, Mastercard, Siemens PLM Software, NICE, Parallel Wireless, Johnson Control, Wipro Technologies, 3 D PLM Software, CDK Global, PernodRicard, Thermax, Verroc Group, Agrostar, Faurecia, Net Crackers, Elastic Run, Quess Corp, Famitech Technologies, Path Finder, GKN, Mobis Technical, Danfoss, Star Engineers, Walter P Moore, Air Products, Emerson, Sanmar Group, Inautix, Tejas Networks, Caterpillar, Persistent, Hindalco, Voltas, Stryker, Reliance Industries, Marvell, ITC Ltd. Cadence, Reliance retail, Reliance IT, Reliance Jio, Kay Bouvet Engineering, Sedmac, Softech Engineers, Hinduja, Autocop, Relyon Solar, Rockwell Automation, Alfa Laval, Godrej, Hyundai Construction, NFIL, Isuzu India, Flight Case, L & W Construction.
FMCG	Nestle
PSU (Navratna)	HPCL, BPCL, IOCL
International Placement	Ebara Corporation, NTT Data

PERSONNEL**Faculty**

Director & Professor	Dr. M. P. Khond	Mrs. H. K. Munot
Prof. B. B. Ahuja	Dr. M. R. Nandgaonkar	Dr. M. U. Khobragade
Professors	Dr. Madhuri G Karnik	Mrs. A. S. Petkar
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Mr. S. K. Gaikwad	Dr. (Mrs.) K. V. Moghe	Chair Professor
Mr. Abhijit A.M.	Mrs. A. S. Khandekar	Dr. Jayant Kumar Chakravarty
Mr. D. D. Kshirsagar	Mr. A.B.Patil	
Mr. A. D. Joshi	Ms. Shalaka Deshpande	

Professors-26	Associate Professor- 50	Assistant professor-149	Professor Emeritus-11	Chair Professor-1	Adjunct Professor-80
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COLLEGE OF ENGINEERING PUNE**BALANCE SHEET AS ON 31st MARCH 2016**

SOURCESS OF FUNDS	SCHEDULE	CURRENT YEAR 2015-16	PREVIOUS YEAR 2014-15
TEUST FUNDS OR CORPUS	1	912283727.6	864,154,405.63
OTHER EARMARKED FUNDS	2	2921008	2,796,618.00
LIABILITIES	3	196704012.6	121,619,390.02
SURPLUS		652753062	594,405,815.22
TOTAL		1,764,661,810.23	1,582,976,228.87

APPLICATION OF FUNDS	SCHEDULE	CURRENT YEAR 2015-16	PREVIOUS YEAR 2014-15
IMMOVABLE PROPERTY	4	312,630,106	311,692,169.00
INVESTMENTS	5	671,491,146.3	544,877,724.33
FURNITURE FIXTURE & ASSETS	6	600,606,574.9	587,804,768.87
ADVANCES	7	12,457,142	34,767,661.84
INCOME OUTSTANDING	8	70,509,184.36	48,505,368.61
CASH & BANK BALANCES	9	96,967,656.67	55,328,536.22
TOTAL		1,764,661,810.23	1,582,976,228.87

COLLEGE OF ENGINEERING PUNE

INCOME & EXPENDITURE STATEMENT AS ON 31st MARCH 2016

PARTICULARS	SCHEDULE	CURRENT YEAR 2015-16	PREVIOUS YEAR 2014-15
INCOME			
INTEREST	13	53,387,924	51,512,690.56
DONATION	14	11,66,1240	11,408,632.99
GRANTS	15	392,197,665	300,285,595.81
OTHER SOURCES	16	441,582,151	442,961,767.44
TOTAL		898,828,979.95	806,168,686.80

PARTICULARS	SCHEDULE	CURRENT YEAR 2015-16	PREVIOUS YEAR 2014-15
EXPENDITURE			
EXPENDITURE IN RESPECT OF PROPERTY	10	40,139,108	34,028,066.00
LEGAL FEES	-	322,444	698,800.00
AUDIT FEES	11	507,300	460,676.00
DEPRECIATION	6	78,545,263	65,495,661.00
EXPENDITURE ON OBJECTS OF TRUST	12	720,967,618.2	619,382,406.68
SURPLUS CARRIED OVER TO BALANCE SHEET		58,347,246.76	86,103,077.12
TOTAL		898,828,979.95	806,168,686.80