



DR. D Y PATIL INSTITUTE OF ENGINEERING MANAGEMENT AND RESEARCH, AKURDI

Approved by AICTE
Recognized by Govt of Maharashtra, DTE
Affiliated to SAVITRIBAI PHULE PUNE UNIVERSITY
(Formerly Known as University of Pune)

KALEIDOSCOPE

ACADEMIC YEAR 2016-17

VISION

To strive for excellence by providing quality technical education & facilitate research for the welfare of society

MISSION

- To educate students with strong fundamentals by providing conducive environment.
- To inculcate research with creativity & innovation.
- To promote industry-institute collaboration & prepare students for life long learning in context of technological change.
- To strengthen leadership, team-work, professional & communication skills and ethical standards.



Hon. Dr. Sanjay D. Patil

President

Dr. D. Y. Patil Educational Complex, Akurdi

Dr. Sanjay D. Patil is an educationist, agriculturist and a Civil Engineer. He is the architect of Dr. D. Y. Patil Educational Institutions of Kolhapur complex. He holds positions of Chancellor of Dr. D. Y. Patil University and Chairman of Kasaba Bavada Shikshan Mandal, Kolhapur.

He has to his credit various awards. The Government of Maharashtra has awarded him with “Vanashree Puraskar” in 1991. He is recipient of “Indira Priyadarshini Vrukshamitra” award in 1993. He has been also awarded by “Kolhapur Bhushan” in 2001 for his achievement in educational field, Rashtriya Shikshan Sanman Puraskar”, “Krishinishtha Puraskar” awarded by Government of Maharashtra in 2004 and he has won first prize in “All India Mango Show” held at Bangalore in 1996.

Dr. Sanjay D. Patil believes in nurturing the potential of the students, giving them exposure to the latest developments and enabling them to become competent and quality conscious engineers, the world class infrastructure and environment in the institutes reflects the meticulous care taken in maintaining high academicians and most ultra-modern laboratories. His humane and calm approach towards addressing the problems and his quick decision making ability is responsible for the rapid progress and growth of the educational institutes.



Hon. Shri Satej alias Bunty D. Patil
Vice President & Chairman
Dr. D. Y. Patil Educational Complex, Akurdi

Shri Satej alias Bunty D. Patil, Ex. Minister of State Home (Urban & Rural), Rural Development, Food & Drug Administration, Govt. of Maharashtra is a renowned educationist, social worker and an agriculturist. A young man with tremendous energy, he has translated the vision of Dr. D. Y. Patil into reality by establishing various quality institutions within a short span.

He is president of Shri. Mouni Vidyapeeth Gargoti, Kolhapur and Chairman of Dr. D.Y. Patil Sahakari Karkhana Ltd., Gaganbavda, Kolhapur. He is Director of Kolhapur District Central Cooperative Bank and Kolhapur Chamber of Commerce and Industries. He is also members of World Wide Fund for Nature India, Indian Red Cross Society, Kolhapur, Shree Saibaba Sansthan Shirdi, Shree Parampujya Sant Gajanan Maharaj Sansthan, Shegaon and member Shivaji University Senate.

He takes personal interests in all the facets of efficient functioning and growth of the institutes. His zeal and untiring efforts are behind the creation of conducive environment for teaching, learning and overall personality development of student to elevate the educational institutions to international standards.



Col. S. K. Joshi (Retd.)
Campus Director

Dr. D. Y. Patil Educational Complex, Akurdi

Col. S. K. Joshi (Retd.) is the Campus Director of Dr. D. Y. Patil Educational Complex, Akurdi. He is the chord who has woven all the members of this campus into a beautiful necklace to work as team to elevate the educational institutions of this campus to international standards. He has always accorded priority to reform initiatives and bring about revolutionary changes in the Pratishthan on all the fronts stated above. A highly cherished personality of the campus, without whom, we cannot spell SUCCESS. He has served the Indian army for 33 years, wherein he was commissioned at ARMORED CORE and his unit was THE SINDH HORSE, which is one of the prestigious units of Indian army. He took voluntary retirement in March 2006 and joined the D.Y.Patil Group at Kolhapur and is currently leading the D.Y. Patil Group at Akurdi. He is dynamic leader of mankind, who has combined in himself the introspection of the man of learning and the boldness of the man of action. His astute, visionary and transformational leadership has catapulted this educational complex from its humble status to a state of art infrastructure, highly qualified intellectual capital and an enriching academic set up. Besides, he reigns supreme in the hearts of all the faculties, staff members and students of all the institutes under the aegis of the Akurdi campus as an avuncular support.



Dr. Mrs. Anupama V. Patil

Principal

Dr. D. Y. Patil Institute of Engineering Management & Research, Akurdi, Pune

Dr. D.Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune, Maharashtra, India is established under Prestigious Dr. D. Y. Patil Pratishthan, one of the pioneers of Education in Maharashtra. It is approved by All India Council of Technical Education & offers Bachelor of Engineering degree in Mechanical, Electronic & Telecommunication, Civil, Computer & Chemical Engineering.

In view of the demands from Industry, service sector & Society, our Institute aims at providing conducive environment for Teaching- Learning, Character building & overall personality development of the student. We have well planned & well-structured academics along with co curricular & extracurricular activities for the students. State of the art infrastructure, well equipped class rooms, laboratories & experienced qualified faculty members are the backbone of the Institute. The students are provided with well-equipped Computer Center, Library & other amenities like Hostels, Playground, Gymkhana, Amphitheatre etc.

The Centralized Training & Placement Cell of Dr. D. Y. Patil Pratishthan assures placement to all eligible students in reputed Industries & organizations. Along with placements, this cell also organizes Training sessions for Personality development, aptitude tests, interview techniques & communication skills.

I assure all my students & parent the most creative & conducive environment required for transformation of a student into an all-round Engineering Professional which will empower him to face the challenges of the Professional world.



DYPIEMR: At A Glance

Dr. D.Y. Patil Pratishthan Educational complex, Akurdi is in proximity to Pimpri Chinchwad Industrial belt, IT Park of Hinjewadi & Automobile hub of Talegaon. The Pratishthan is spread over 29 acres of land at Akurdi, which is in the vicinity of Akurdi Railway station & Mumbai - Pune Express highway.

The Pratishthan introduced new engineering college “Dr. D. Y. Patil Institute of Engineering, Management and Research” (DYPIEMR) from the Academic Year 2012-13. DYPIEMR offers Bachelor of Engineering course in Mechanical engineering, Computer Engineering, Electronics and Telecommunication, Civil engineering and Chemical Engineering.

Spacious buildings, lush green lawns, well equipped laboratories, good library with e-resources for scholarly studies, and more over a peaceful atmosphere make learning a pleasure here. The teaching faculty members are experienced, caring and devoted to teaching. With a longstanding commitment towards quality teaching and learning, the Institute has nurtured values that go into the making of successful careers of the young generation of our country.

The basic purpose of the Institute is to transform a young, enthusiastic student into a professionally competent engineer, capable of accepting the challenges of the industry. The focus is on 'creative learning' based on the prescribed syllabus of the University of Pune, which the college is affiliated to. Ample opportunities are provided for interaction with the experts from the industry through guest lectures, field visits, vacation training, activities of the student chapters of international professional bodies, sponsorships to technical paper presentation competitions etc.

Participation in sports, cultural and spiritual activities, environmental and social drives, is encouraged to develop a high level of emotional quotient and a team spirit in the students. We feel that such qualities and skills over and above the professional inputs are essential for along prospective career in the rapidly changing global scenario.

Distinguished Activities

Faculty Development Programs

Faculty Induction Programme Phase – I

Faculty induction programme phase – I in Collaboration with National Institute of Technical Teachers Training And Research, Bhopal is held on 20th June -1st July 2016.

OBJECTIVES

1. To expound the challenges of technical education system in India.
 2. To describe the roles and responsibilities of technical teachers.
 3. To use online (ICT) resources efficiently for teaching-learning process.
 4. To prepare session plan to accomplish learning outcomes of the program.
 5. To plan to use instructional strategies and media.
 6. To describe essential elements of outcome based students' assessment.
 7. To explain key components of outcome based laboratory work/ workshop experience in terms of implementation and assessment.
 8. To demonstrate teaching skills in a simulated environment.
 9. To describe the importance of Guidance, Counseling, Mentoring and Coaching of students.
- Resource persons are Prof. Peeyush Verma is a Professor in the Department of Vocational Education & Entrepreneurship Development, National Institute of Technical Teachers' Training & Research (NITTTR), Bhopal, Prof. A. A. Khajanchee has a total of around 28 years of teaching/training. She has worked as a faculty in Electrical Engineering at SG & ITS, Indore (MP) and Dr. Anjana Tiwari is presently working with NITTTR, Bhopal. She has a wide experience of teaching and training in Universities in India and abroad since 1995.



Graceful Mentoring

To endorse the development, awareness, knowledge, and competence of the institution in general on its journey towards academic excellence, it was decided by Shri. Satej D. Patil, Campus Chairman, Dr. D.Y. Patil Educational Complex, Akurdi and Col. S K Joshi, Campus Director to organize a one day Faculty Development Programme (FDP) for the faculty members. Accordingly, a day's workshop, titled: ***“Graceful Mentoring” by Dr. Sapna Sharma***, was organized for the faculty members at the campus level on the 8th September, 2016. This FDP was organized with an overall view of enhancing the professional skills of faculty members and also to maximize the opportunity for the development of their social and intellectual qualities which will help the institution to aim for academic excellence.

OBJECTIVES

The key objectives of the program are as follows:

- To bridge the gap between students, parents and teachers
- To enhance parenting skills of teachers
- To share and discuss issues relating to students' psychology and assist the teacher to find alternatives for effective class control and teaching
- To analyze teachers personal issues and resolves with mutual consent of confirmations

To evaluate self-respect and self-esteem of the teacher and make corrective steps to resolve conflicts if any

Student Development Program

Magic of Mumbai Dabbawala Unfolded

To endorse the development of punctuality, awareness, and competence of the students, it was decided by Shri. Satej D. Patil, Campus Chairman, Dr. D.Y.Patil Educational Complex, Akurdi and Col. S.K.Joshi (Retd.), Campus Director to organize an expert lecture for the Third year students and non-teaching faculties of all the colleges under the aegis of Dr. D Y Patil Educational Complex, Akurdi. Accordingly, an Expert talk, titled: **"Magic of Mumbai Dabbawala Unfolded"** by **Mr. Subodh Sangale, President, Association Dabbawala, Mumbai** was organized for the students at the campus level on the 12th January, 2017. This event was organized with an overall view of enhancing the personal and social skills of the students and also to maximize the opportunity for the development of their personal, social and intellectual qualities.

Armed Forces – The Last Bastion

National Defence Academy (NDA) is the first military academy in the world where three forces – Army, Navy and Air Force – of defence are trained together. The life in NDA is mentally tough and physically hard. They get extremely hard as they are going to lead the Armed forces. Their level of discipline is really high. They are trained physically, mentally & socially. They get hard training of 3 year in which they are also professionally trained regarding their branches. The brief overview and glimpse of the same is given on 3rd January 2017.

Objectives

- To make students understand the scope in Armed Forces
- To give them glimpses of life in uniform
- To give them an opportunity to interact with the Air Marshall Kler
- Inculcate values of discipline and hardship among students



- To help them differentiate between the life of corporate and armed forces
- To enable the students to prepare short term and long term goals for their personal and academic development
- To help them develop and enhance their skill sets
- To boost their Self Confidence



Address by Student Achievers

Understanding the development of graduating students is essential to those seeking to make a difference in these students' lives. Vincent Tinto (1993) outlined three stages students move through: separation, transition and incorporation. Students first go through a separation stage in which they move away from their home environment. Although this can be quite traumatic for students, eventually are able to move to the second stage, transition. During this stage students are torn between their old environment and the new one; they may not feel they belong in their old environments but have yet to find their places in the new one. Finally students move into incorporation when they have achieved full membership into the social and academic communities of the institution.

Objective

1. To introduce the past and present student achievers of the campus to the First Year engineering students
2. To set an example of achieving excellence in front of them
3. To give them an opportunity to interact with the student achievers and learn from their experiences
4. To felicitate and acknowledge the past and present student achievers of the campus

5. To enable First Year students to prepare short term and long term goals for their personal and academic development
6. To help them develop and enhance their skill sets
7. To boost their Self Confidence

Speakers

1. Mr. Saad Memon, an alumnus of D. Y. Patil Institute of Engineering, Management and Research (DYPIEMR), Saad Memon graduated in 2015-16. He has designed a cheapest Mini Supercomputer of India.
2. Mr. Akash Patil, Aakash Patil is a student of mechanical engineering from DYPIEMR, studying in his final year. He was awarded the prestigious undergraduate research fellowship by California Institute of Technology, USA for which only three students from India were selected.
3. Mr. Ankith Nair born and raised in Pune, is currently studying in First Year Mechanical Branch of the DYPCOE Akurdi. He was one of the fourteen Indian students selected to attend the Global Student Forum (GSF) and World Engineering Education Forum (WEEF) that took place in Seoul at South Korea in 2016.
4. Mr. Shantanu Dikshit, he is a dynamic personality who firmly believes in destiny and karma. Shantanu's strong personality and self confidence steered him through the various interview rounds and secured him a position in the list of the top selected students from India to go to South Korea this year to attend the Global Students Forum at Seoul.
5. Dr. Dhananjay Panchagade is an alumnus of DYPCOE. He completed his PhD from Auburn University, USA in 2007. He worked as a Post Doctoral Fellow in Center for Advanced Vehicle Electronics (C.A.V.E.), Auburn University, USA from 2007 to 2010. He also worked as a Postdoctoral Researcher in National Renewable Energy Laboratory (N.R.E.L.), US Department of Energy, USA



I Am A Professional

The professional man or woman possesses distinctive qualifications both in education and in demonstrated experience. He or she is a person who enjoys a theoretical and/or practical body of knowledge and expertise recognized and respected by academia, the market, and society as a whole. Due to this recognition, the professional benefits from advantages are not available to other workers.

The true success of professionals rests on the ways in which they continually demonstrate their trade or skill, incorporating a degree of style, commitment, and even grace, while utilizing a sound foundation of ethics, values, attitude, and competency.

Keeping in view the above, a training session by Dr. Sapna Sharma was organized at Dr. D. Y. Patil Educational Complex for students.



- **STUDENT WELFARE CELL:**

More than a goal for DYPIEMR, it is a mandate of reducing mental imbalance, promoting sustainable development with harmony and building good governance.

From the establishment of DYPIEMR the student support governing council also accommodates students themselves as stakeholders. Here are the governing bodies of DYPIEMR to amend in student support.

- **Grievances Redresser**

“Whatever your grievances, we are sure we can address them without resorting conflicts.”

The Grievance Redresser council works without diplomacy, figuring out the reason for particular grievance as soon as it arrives. DYPIEMR has taken sincere efforts to train the members of council about how to handle grievances. We gather actual facts for an effective and correct decision making with alternative course of actions during this process. Such actions are examined on the existing and future management policies and analysed for keeping a sense of accuracy, doing justice to parties indulged in grievance.

- **Earn and Learn Scheme**

This scheme is basically undertaken for the benefit of students coming from the rural areas, which are economically backward, intelligent and meritorious but cannot afford higher education, needy and financially hard pressed. This will make higher education accessible and available to the poor, meritorious and the marginalized. It inculcates in the student the idea that no work is big or small and develops a work culture with the right aptitude.

The students enrolled under the scheme are given the following types of work namely – office work, technical work. Students working under this scheme are paid an honorarium of Rs. 30 per hour.

Training and Placement Cell

ABOUT TRAINING & PLACEMENT CELL

Training and Placement Cell at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi is an integral part of the institute. The Cell makes consistent and constant efforts to provide them with numerous opportunities to participate in the Campus Recruitment process in order to enhance the employability of the students. Various training programs are conducted rigorously throughout the year to make sure that the students are industry ready and meet the set standards of the company.

Many reputed industries visit our Institute on regular basis for campus recruitment process and we feel proud to share that our students are recruited by most of the leading MNC's. The cell is equipped with the State of the Art infrastructure for conducting the Campus Recruitment Process. With the use of latest technology, the cell has adopted an effective communication system to keep the students informed and updated about the various activities conducted.

Career Guidance Sessions are conducted to guide and educate students with various Career opportunities in different areas such as Public Sector, Armed forces, Private Sector and MNC's. The main objective of the Cell is to act as a strong interface between various companies and talented young graduates and post graduates. The cell also guides the students about career after higher studies in different streams.

The Industry Institute Interaction Cell actively helps the students by providing them necessary guidance from experts to help the budding Entrepreneur's of the institute. The cell makes the students aware about the various entrepreneurship encouragement schemes declared by the state and central government.

SALIENT FEATURES

- Professional trainers are hired for training students in Aptitude, Group Discussion, Personal Interview Techniques and Resume Writing.
- Company Specific workshops (Mock Placement Sessions) for Final Year Students before the commencement of Campus Recruitment.
- Strong Industry – Institute – Interaction.
- Participation of students in various competitions organized by Industry like: TCS CodeVita, TestiMony, EngiNX, Barclay's Tech Innovation Challenge, KPIT Sparkle, Aakruti by KPIT, Infosys Hackathon, Hackathon Pune by e-Zest etc
- Guidance sessions by Placed Students to junior batches on various aspects of selection procedure and dos and don'ts of campus interview process.
- Selection of students through **University Entry Scheme** in **ARMED FORCES**
- Yearly Scholarship of amount of Rs. 30,000/- awarded under the **Schneider Electric India Foundation Scholarship Program.**
- 100 % Placement assistance to eligible students.



Students of various colleges at
Schneider Electric India Foundation
Scholarship Programme – 2016



Session on Resume Writing at
Barclays, Hinjewadi under the
NASSCOM & Barclay's Youth
Empowerment Programme (30. 09.
16)

ACHIEVEMENTS & SUCCESS STORIES (2016 & 2017)

Highest Package

S. No.	Branch	Year of Passing	Package (Rs.)	Company Name
1	Mechanical Engineering	2017	5.5 LPA	Godrej & Boyce
2	Mechanical Engineering	2016	10 LPA	Indian Army
3	Civil Engineering			
4	Computer Engineering	2016	4.25 LPA + 2 Lakhs Joining Bonus	Bombardier Transportation

CAREER GUIDANCE SESSIONS

Sr. No	Details of Speaker	Topic	Date	Branch & Year	No. of students
1	Col. Ganesh Babu, Director, Armed Forces Officers Selection Orientation Programme (AFOSOP), Pune	"Armed Forces as a Career Option in the Officer Cadre"	14 th September 2017	TE (Mechanical & Civil)	279
2	Mr. Rajiv Bose, Imperial Academy, Pune	Guidance on Oversees Higher Studies	23 rd August 2017	TE All Branches	95
3	Mrs. Jasmita Kaur, Dean Placements, DYPEC	Placement Orientation and Career Guidance	11 th Jan 2017	TE (Mechanical and E&TC)	
4	Mrs. Jasmita Kaur, Dean Placements, DYPEC	Placement Orientation and Career Guidance	13 th Jan 2017	TE (CS/Chemical/Civil)	
5	Capt. J. K. Chaudhary, In Command Recruitment Officer – Western Naval Command, Mumbai	"Motivation cum Awareness on Avenues in INDIAN NAVY"	29/06/2016	TE (Production, Mechanical, Civil)	159
6	Col. Ganesh Babu, Director, Armed Forces Officers Selection Orientation Programme (AFOSOP), Pune	"Avenues for Engineers in Indian Army"	4 th March 2016	TE Mechanical	54
7	Mr. Kaamendra Dahat From Interedwise Education, Pune	Guidance on Oversees Higher Studies & TOEFL, IELTS	4 th February 2016 for Civil and Mechanical students	TE Civil, Mechanical and Chemical	125
8	Mr. Heeresh Khatri, TPO DYPIEMR	Interview Techniques	29 th January 2016	TE ENTC	30
9	Mr. M M Trinath from Vani Institute	Move up in after B Tech with GATE	28 th January 2016	TE Mech and Civil	53
10	Ms. Supriya Prasad from Gate Forum	Career Opportunities after GATE	21 st January 2016	TE Mech & Civil	89
11	Mr. Surya Prasad, Sr. Manager, Gate Forum	Career Opportunities after GATE	22 nd January 2016	TE ENTC	39
12	Mrs. Jasmita kaur, Dean Placements	Information on Placement Process	22 nd January 2016	TE ENTC	38

GLIMPSES OF CAREER GUIDANCE SESSIONS



Session by Cap. J. K. Choudhary, Western Command, Indian Navy on "Avenues for Engineers in THE INDIAN NAVY" (29.06.2016)



Session on "Avenues for Engineers in the ARMED FORCES" by Col. Ganesh Babu from ARMED FORCES OFFICERS SELECTIONS ORIENTATION PROGRAMME (14.09.2017)

INDUSTRY INSTITUTE INTERACTION

Sr. No	Details	Topic	Date	Branch & Year	No. of Students Benefited
1	NASSCOM & Barclays Life Skill Assessment Test in collaboration with GTT	Life Skills	01/11/2017	FE	510
2	'Neural Hack' programming competition scheduled by Virtusa.	IOT, Robotic Process Automation (RPA), Artificial Intelligence (AI), Cognitive Computing Big Data Analytics	12/10/2017	BE (Comp)	50
3	National Level Coding Competition by E - ZEST	Information about 'Hackathon by E - ZEST'	19/09/2017	BE (Comp)	78
4	Final Year Project Support by Opulent Technologies	BE Project allocation	13/07/2017	BE (Comp, E&TC, Mech)	12
5	Mr. Apoorva Bapat,	Importance of CAE in Mechanical Industries.	12/07/2017	TE (Mech)	126

	Founder & CEO, Eleation, Element Simulation Academy				
6	National Coding Competition by TCS	Participation of Students in CodeVita	07/07/2017	BE (Comp)	37
7	National Coding Competition by TCS	Participation of Students in MockVita	28/06/2017	BE (Comp)	55
8	Ms. Snigdha Govitrikar, HR Manager, TCS	Session on “Importance of Coding and Testing”	28/06/2017	S.E., T.E.,B.E. (Comp / E&TC)	324
9	Mr. Sanjay Khorate, Senior Director-HR, NTT Data	Session on “Industry Expectations from Engineering Graduates during Campus Recruitment”	15/03/2017	TE (Comp, E&TC)	245
10	Mr. Krishan Mittal, CEO & Founder of Unfurl Technologies Pvt. Ltd.	Session on “How to be industry ready and build sustainable success”	22/02/2017	TE (Comp, E&TC)	145
11	Persistent Systems Ltd. Hinjewadi	Interaction with Industry Experts about Persistent System	17/ 02/ 17	Comp, IT, MCA	60
12	Mr. Shailesh Pardeshi, Principal Architect, Xoriant Solutions Pvt. Ltd.	“Industry Expectations from students during Campus Recruitment”	02/09/2016	BE (CS, E&TC)	110
13	Industrial Visit at Barclays	Sessions on Resume Writing	28/06/2016	BE (Comp)	10
14	Barclays, Hinjewadi	“Sessions on Interview Technique”	14/06/2016	BE(Comp)	12
15	Sponsored Project by Persistent Systems	BE – Project	09/05/2016	B.E. (CS/IT)	03
16	TCS Fit4 Life Campus CHALLENGE	TCS organized a Marathon for all the students of various colleges in Pune, TCS Fit4 Life Campus CHALLENGE.	08/02/2015	All students	150

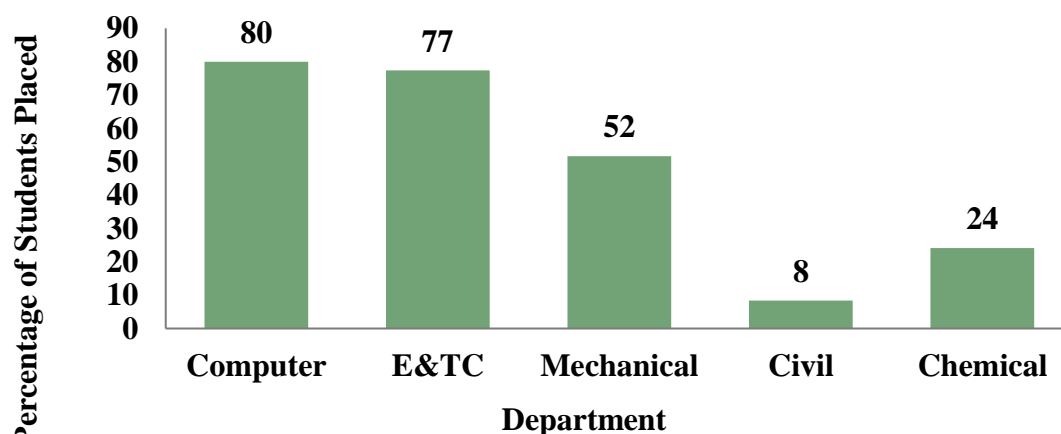
GLIMPSES OF INDUSTRY INSTITUTE INTERACTION



Delegates from TCS Japan led by: Mr. Toshimitsu Urabe, Executive Vice President and Group CEO of the Business Service Group at Mitsubishi Corporation (MC), Member of the Board, TCS Japan; Mr. K GANESAN, Vice President, Human Resources, TCS; and Mr. T V Kamalakkannan, Chief Delivery Officer, Member of the Board, TCS Japan; are joined by Col. S. K. Joshi, Campus Director at the inauguration ceremony of TCS Japan Hikari Program at Dr. D. Y. Patil Educational Complex, Akurdi on 19th January 2016.

CAMPUS RECRUITMENT STATISTICS

PERCENTAGE OF STUDENTS PLACED - 2017 GRADUATING BATCH



OUR RECRUITERS – SOFTWARE COMPANIES



OUR RECRUITERS – CORE COMPANIES



Mechanical Engineering

Mr. Kiran M. Narkar

HOD

About Department

The department of Mechanical engineering being one of the oldest and the finest departments of the college is having learned and experienced faculty, who with their rich experience in academic and industry are able to enlighten the students about the latest trends and practical aspects of engineering.

The department has very good academic excellence and has continuously produced the finest set of vibrant and proactive engineers.

The department offers four years Degree course in Mechanical Engineering, the syllabus of which has been recently upgraded to meet the industries need for up-to-date technical knowledge, managerial skills, and exposure to Quality management and computers. The department has excellent facilities for the students to enhance their skills in various fields of mechanical engineering. Our engineers are waiting for an opportunity to prove their mettle at work place that is equipped with their hard earned degrees.

Vision

To strive for excellence by providing quality technical education & facilitate research for the welfare of society

Mission

- 1) To educate students with strong fundamentals by providing conducive environment.
- 2) To inculcate research with creativity & innovation.
- 3) To promote industry-institute collaboration & prepare students for lifelong learning in context of technological change.
- 4) To strengthen leadership, team-work, professional & communication skills and ethical standards.

Programme Outcomes (POs)

1. Apply the knowledge of mathematics, science, engineering fundamentals for the solution of complex problems in Mechanical engineering
 - 1.1: Ability to apply mathematical concepts
 - 1.2: Ability to apply concept of applied sciences
 - 1.3: Ability to apply knowledge of engineering fundamentals.

2. Ability to conduct experiments, interpret & analyze data and document the results.

2.1: Ability to conduct experiments.

2.2: Ability to interpret and analyse the data

2.3: Ability to document experimental results.

3. Ability to design mechanical engineering applications in real life.

3.1: Ability to analyse mechanical engineering problems.

3.2: Ability to design mechanical engineering system.

4. Ability to identify, formulate, solve mechanical engineering problems.

4.1: Ability to identify the mechanical engineering problems

4.2: Ability to collect data and formulation of model for mechanical engineering problem

4.3: Ability to find solution for the problem

5. Familiar with modern engineering software tools and equipment's to apply in mechanical engineering problems.

5.1: Have knowledge of various software applications

5.2: Familiar with the advanced equipment and machines in mechanical engineering.

6. Confidence to apply engineering solutions in social & global context and to evaluate the impact of engineering solutions on society, health, safety, legal, cultural and environment issues for sustainable development.

7. Ability to apply Engineering solutions to environmental issues and identify impact on health issues.

8. Ability to Realize professional and ethical responsibilities.

9. Work effectively as a team member or leader of design & project teams.

9.1: Ability to work as a team member

9.2: Ability to lead a team effectively.

10. Communicate effectively in engineering activities with engineering community and write effective reports and design documents.

10.1: Effective oral communication skills

11. Demonstrate knowledge of mechanical engineering and project management principles and apply them to handle industrial projects.

12. Ability of self-learning and develop career advancement issues.

12.1: To inculcate the habit of self-learning

12.2: Ability to identify career growth opportunities

Programme Specific Outcomes (PSOs)

1. Graduates will be able to apply the knowledge of Manufacturing Engineering to improve productivity and solve related problems, if any.
2. Graduates will be able to model, synthesize and analyze mechanical components and systems using various CAD/CAM/CAE software tools.

Best Practices of department

Soft Skill Training

The various methods under the soft skill training are:

- i. Preparing students for Group Discussion
- ii. Enhancement of interpersonal skills
- iii. Personal Interview sessions which include everything like dressing, greeting, gestures, postures, confidence & preparation for the anticipated potential questions.
- iv. Training under strict supervision of Training and Placement Cell.
- v. Assistance of the trainers 24X7.
- vi. Emphasis on improving communication, listening, negotiation, etiquette, language skills etc.

2. Aptitude Training

The various methods under aptitude training are

- i. Reasoning ability development
- ii. Quantitative development
- iii. Application of number theory
- iv. Applications of Arithmetic based problems in campus placements
- v. Puzzles & Brain teasers
- vi. Quantitative concepts and trends in aptitude test for companies
- vii. Providing holistic understanding of various quant and reasoning methodologies.

3. Technical Training

The various methods under technical training are

Preparing students for their core technical subjects like java,dbms,sql etc.

Provide training according to current market trend to meet the requirement of top leading organizations Easier access to the subject experts to seek clarifications.

4)Japanese and German language training

Japanese language training program(JLTP) is an initiative of providing students the better placement opportunities in MNC's /top leading organization's looking out for multilingual candidates. This training is initiated by TCS in our institute .

Academic Excellence AY 2016-17

Sr. No.	Year	Passing Percentage	
		SEM I	SEM II
1	SE	25.22 %	42.52 %
2	TE	53.48 %	94.04 %
3	BE	69.72 %	83.48 %

Highlights of Academic Excellence in SPPU Examination for Semester-I 2016-17

Toppers:

BE Toppers

1. Mr.Akash Verma (BE) scored 79.42 %
2. Mr.Ronit Gadiya scored 78.23 %
3. Mr.Suhel Shaikh scored 75.75 %

TE Toppers

1. More Pranit Prakash - 78 %
2. Patil Shivani Deepak - 76.13 %
3. Jigajambagi Jagu Hanamant - 75.87 %

SE Toppers

1. Mr. Siddheshwar Bhujbal - SGPA 9.48
2. Mr. Gaurav Dhake - SGPA 9.24
3. Mr. Akash Kadam - SGPA 9.20

Highlights of Academic Excellence in SPPU Examination for Semester-II 2016-17 Toppers:

BE Toppers

1. Mr. Ronit R. Gadiya (BE) scored 82.13 %
2. Mr. Suhel N. Shaikh (BE) scored 78.33%
3. Mr. Shrikant N. Taras (BE) scored 78.13 %

TE Toppers

1. Ms. Shivani Patil – 79.8 %
2. Mr. Pranit More – 78.53 %
3. Mr. Kishor Pawar – 77.86 %

SE Toppers

1. Mr. Akash V. Kadam - SGPA 9.12
2. Mr. Naresh Chandora - SGPA 9.06
3. Mr. Siddheshwar Bhujbal – SGPA 8.86

Research and Development

FDP Organized

- One Week FDP on “Practical Finite Element Analysis” was organized by Mechanical Engineering Department
- The faculty was taught about Theory of FEM and CAE, Static Analysis on 1D Beam Tension Problem using ANSYS Workbench and also a Hands on training for the same was given to the faculty.
- Prof. Amruta Adwant and Prof. Vishwanath Solapure successfully coordinated the event.
- The event was organized with an objective of making the faculty aware of “Practical Finite Element Analysis” and its application
- The outcome of the event was that the faculty was able to apply the knowledge gained from the session to general FEA problems.



Workshop Organized (for Faculties)

- The Five Day State Level Workshop on Computational at Fluid Dynamics was organized by Mechanical Engineering Department from 6 th December, 2016 to 10th December 2016.
- The Workshop gave an insight to the faculty and students about Computational Fluid Dynamics and its practical importance. Also the faculty came to know about its applications in various fields of Mechanical Engineering. It was also followed by a hand on training session.
- Prof. Pramod Salunkhe had successfully coordinated the event.
- The event was organized with an objective of making the faculty aware of latest innovations related to CFD and also about the tools used in CFD.
- The outcome of the event was the faculty came to know about the use if CFD tools and also were able to solve simple mathematical problems using CFD.



Inauguration of Session

Session in process

FDP Attended

Total FDP attended by faculty in AY 2016-17 - 25

Workshop Attended

Total Workshop attended by faculty in AY 2016-17 - 25

MOUs

- Department of Mechanical Engineering has signed MoU with Venus Technologies Pune for conducting guest lectures for the students dated 08/01/2016 to 08/01/2019
 - The MoU is currently functional from the above given date.
 - It aims at conducting guest lectures for the students regarding recent developments in the Mechanical Industry
- Department of Mechanical Engineering has signed MoU with SV Tech Engineering Consultant Pvt. Ltd. Pune for conducting guest lectures for the students dated Dec 2016 to Dec 2021
 - It focuses on the employability, enhancement, training, industrial visits, lab facilities available to the students also to make aware about the recent trends and developments in the various fields of Mechanical Engineering.

Patents filed by faculty

- Mr. Sandesh Solepatil along with 6 other faculty members has filed a patent titled “Design And Development Of Single Stage Coarse-Fine Mechanism For Precision Application”
- Mrs. Mrs. Amruta V. Adwant, along with 5 other faculty members has filed a patent titled “Jug with two handles and two pouring lips”

Patents filed by students

- Mr. Harshal Balasaheb Sonawane along with 6 other faculty and students has filed a patent on “Displaying Method For Remaining Fuel Quantity In Vehicle”

Faculty publications in Journals

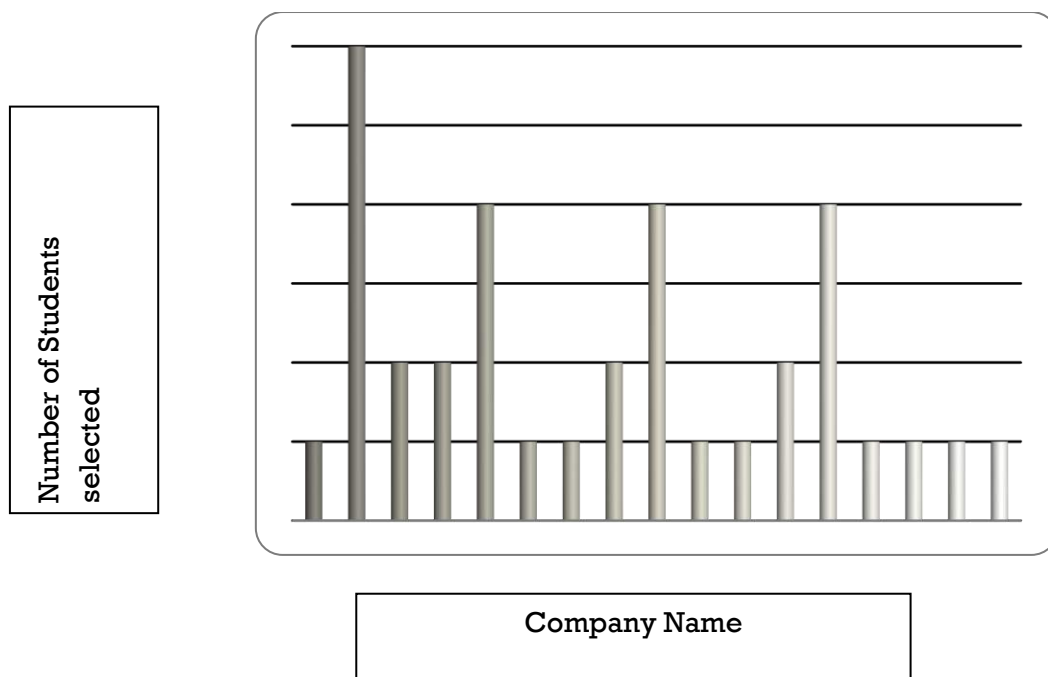
Name of Faculty	No. of Publications (National & International)
Mr.Vikas Dive	5
Mr.Paresh Kulkarni	2
Mr,Nitin Motgi	3
Mrs.Amruta Adwant	2
Mr.Aniket Kolekar	7

Mr.Ganesh Kerkal	4
Mr.Sandesh Solepatil	2
Mr.Keval C. Nikam	3
Mrs.K.V.L Bhuvaneswary	3
Mr.Yogesh Jangale	3
Mr.Prafull Nalawade	1
Mr.Shekhar Khedkar	1
Mr.Amol Dhumal	3
MrVishal Bansode	4
Mr.Amol Mali	4

PhD Registration:

- Mr Manoj J Rajale has registered for Ph. D in Mechanical at the research centre “K L University, Vijayawada”, in the area of Heat Pipes.
- Mr. Aniket Kolekar has registered for Ph. D in Metallurgy at the research centre “College of Engineering, Pune in the area of corrosion

Training and Placement



Industrial Visits /Tours

Sr. No.	Name of Industry	Faculty Coordinator	Date
1	Ramkrishna More Prekshagriha in Chinchwadgaon, Pune	Mr. Ganesh Kerkal and Mr. Keval Nikam	8/24/2017
2	Ramkrishna More Prekshagriha in Chinchwadgaon, Pune	Mr. Ganesh Kerkal and Mr. Keval Nikam	9/20/2016
1	Vindhyachal Hydro power station, Chaskaman Dam, Rajguru ngar, Pune	Dr. P. B. Salunkhe and Mr. Pawale K. T.	3/29/2017
1	Vindhyachal Hydro power station, Chaskaman Dam, Rajguru ngar, Pune	Dr. P. B. Salunkhe and Mr. Pawale K. T.	7/09/2017 & 8/09/2017
1	Shri Sant Tukaram Sahari Sakhar Karkhana Ld. Darumbre ,Mulshi,Pune	Mr.Sushil Sunil Gaikwad	9/1/2016
1	Shri Sant Tukaram Sahari Sakhar Karkhana Ld. Darumbre ,Mulshi,Pune	Mr.Sushil Sunil Gaikwad	28/08/2017 to 30/08/2017
1	Ajantha Wheels, Kiwale Pune	Mr. Vikas Dive	9/9/2017
1	Wheel Motors Pune	Mr. Vikas Dive	9/8/2016
1	Hi cut tools Pvt Ltd , Almech Mfg Solutions	Mr.Paresh Kulkarni	9/17/2016
1	Sukakarta General Engineering Cluster Pune	Mr.Paresh Kulkarni	11/09/2017 and 12/09/2017

Objectives

The visit is planned to help the students achieve the following objectives:

- Recognise the process units – Boiler, Pump, Condenser, Steam turbine, Generator, Electrostatic precipitator, Pulverizer, Reclaimer etc. & generate the process flow diagram.
- Identify the input and output for different processes.
- Experience the importance of working safely.
- Understand the concept of thermal energy conversion & estimate overall efficiency of power plant.
- Understand how does the product of the plant interfaced to the world.

Outcomes

- Students became aware of the industry practices and regulations
- Students also became aware of the practical facts and were able to link it with theory



Turbine



Staff and students

Student Development and Welfare

Guest Lectures (for Students)

- A guest lecture on “Entropy and Availability” was organized by Mechanical Engineering Department 18th September 2017
- Speaker details as Ravi Kakade, Assistant Professor ,Department of Automobile Engineering, Government College of Engineering & Research,Awsari ,Kh, Pune-412 405, ravikakde@gmail.com 7387280884
- Introduction to Entropy and Availability was given to the students along with their practical applications
- The event was organized with an objective of understanding the applications and practical importance of Entropy and Availability
- The outcome of the event was – students were able to solve engineering problems related to entropy and availability.



Felicitation of guest



Interactive session

Electronics and Telecommunication Engineering

Mrs. Priya Charles
Head of the Department

About Department

The Electronics & Telecommunication Department is established in the Year 2013 to meet the needs of increasing demands of E&TC Engineers in Industry, Telecom Sector, and Embedded Technologies & VLSI. The department is having highly qualified, experienced & dedicated staff along with State of Art Infrastructure & well equipped Labs. The teaching learning process is made Student centric using the latest technologies. The academics go hand in hand with Guest Lectures by Eminent Personalities from the Industry, Alumni students, & Subject Experts from Pune University. The theory is well explained with the help of practical & Industrial Visits to various Industries.

Vision

- To impart quality education and promote research activities to produce competent E&TC Engineers

Mission

- To equip students with strong basics through excellent blend of theory and practical knowledge
- To inculcate creativity through curricular and co-curricular activities
- To give the knowledge about all possible areas of E&TC by interacting with outside world
- To build students with communication skills and ethical standards to meet the professional needs

PEO's

- The graduate shall utilize the basic knowledge to address the Engineering problems
- The graduate shall attain the qualities of professional leadership with ethical and moral standards
- The graduate shall develop their capabilities for lifelong learning throughout their professional career and higher education
- The graduate shall explore engineering capabilities through creativity and innovation

PO's

- Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and E&TC engineering specialization to the solution of complex E&TC engineering problems
 - PO1.a – Apply the knowledge of mathematics
 - PO1.b – Apply the knowledge of science
 - PO1.c – Apply the knowledge of engineering fundamentals
- Problem Analysis: Identify and analyze complex engineering problems using first principles of mathematics, natural sciences, and E&TC engineering science
 - PO2.a – Identify the engineering problem
 - PO2.b – analyze the engineering problem
 - PO3.c – reaching the conclusion for the problem
- Design /development of Solution: Design solutions for E&TC engineering problems and design system components for real life

PO3.a –Design solution for engineering problems

PO3.b – Design system components for real life solution

- Conduct investigations of complex problems: Use Engineering knowledge for analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO4.a – analysis of data

PO4.b – Interpretation of data

PO4.c – synthesis of data for valid conclusion

- Modern tool Usage: select and apply appropriate techniques, using IT tools to model E&TC engineering problems with an understanding of the limitations.

PO5.a – Select and apply appropriate technique

PO5.b – knowledge of various IT tools

PO5.b – Use IT tools to model E&TC engineering problems

- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional E&TC engineering practice.

PO6.a – ability to identify the problem

PO6.b – assess the problem

PO6.c – apply the engineering solution

- Environment and sustainability: Understand the impact of the E&TC engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO7.a – understand the impact of E&TC engineering solutions

PO7.b – demonstrate the knowledge for sustainable development

- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the E&TC engineering practice.

PO8.a – have awareness of ethical principles

PO8.b - be committed to professional ethics

- Individual and team work: Function effectively as an individual , and as a member or leader in a team

PO9.a – ability to function effectively as an individual

PO9.b – ability to function as a leader in a team

- Communication: Communicate effectively ,comprehend and write effective reports and make effective presentations

PO10.a – ability to communicate effectively

PO10.b – ability to comprehend and write effective reports

PO10.c – ability to make effective presentations

- Project management and finance:Have knowledge and understanding of the E&TC engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects

PO11.a – Ability to have the knowledge and understanding of Engineering and Management principles

PO11.b – apply managerial skills effectively as a leader

PO11.c – Apply the E&TC engineering skills as a team member

- Life-long learning:Ability of self-education and understand the technological changes

PO12.a –Inculcate the habit of self-learning and understanding

PO12.b – ability to adapt to technological changes

PSO's

The E&TC engineering graduates should be able to

- Demonstrate principles of Electronics, digital system, microcontrollers, signal processing, communication in the field of Embedded and Telecommunication Engineering services
- Solve E&TC Engineering problems and to design , implement and troubleshoot real world problems using latest engineering tools
- Use knowledge, technical skills and communication skills for higher studies, research work and have a successful career with social and ethical awareness.

Academic Excellence AY 2016-17

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	16.21 %	37.83%
2	TE	40.62%	92.06%
3	BE	70.17 %	98.27 %

Highlights of Academic Excellence in SPPU Examination for Semester-I 2016-17 Toppers:

BE Toppers

- Ms. Ashita Shah (BE) scored 81.20 %
- Ms. Geetanjalee Survase (BE) scored 76.67%
- Ms. Rashmi Mayekar (BE) scored 73.73 %
- Ms. Nisha Ubale (BE) scored 72.13 %
- Ms. Apurva Jannawar (BE) scored 70.27 %

TE Toppers

- Mr. Yogesh Mali (TE) scored 82.4 %
- Ms. Apurva Torvekar (TE) scored 76.26 %
- Ms. Pratiksha Zapake (TE) scored 73.3 %
- Mr. Yogesh Yadav (TE) scored 72.53 %
- Ms. Bharti Sontakke (TE) scored 72.4 %

SE Toppers

1. Mr. Kumar Rajnish (SE) scored 8.88 S.G.P.A
2. Ms. Shraddha Dhole (SE) scored 7.96 S.G.P.A
3. Ms. Poonam Chavan (SE) scored 7.92 S.G.P.A
4. Mr. Juned Mulani (SE) scored 7.92 S.G.P.A
5. Mr. Kale Kamallesh (SE) scored 7.72 S.G.P.A

Highlights of Academic Excellence in SPPU Examination for Semester-II 2016-17

Toppers:

BE Toppers

1. Ms. Ashita Shah (BE) scored 83.73 %
2. Mr. Ashish Mishra (BE) scored 81.87 %
3. Ms. Apurva Jannawar (BE) scored 80.80 %
4. Ms. Geetanjali Survase (BE) scored 78.93 %
5. Ms. Jyoti Zanjurne (BE) scored 78.13 %

TE Toppers

- Mr. Yogesh Mali(TE) scored 77.33 %
- 2. Ms. Apurva Torvekar (TE) scored 76.26 %
- 3. Ms. Pratiksha Zapake (TE) scored 72.40 %
- 4. Ms. Bharti Sontakke (TE) scored 71.80 %
- 5. Ms. Snehal Patil (TE) scored 70.86 %

SE Toppers

1. Mr. Rajnish Kumar (SE) scored 8.88 S.G.P.A
2. Ms. Shraddha Dhole (SE) scored 7.96 S.G.P.A
3. Ms. Poonam Chavan (SE) scored 7.92 S.G.P.A
4. Mr. Kale Kamallesh (SE) scored 7.72 S.G.P.A
5. Ms. Tejaswi Vichare (SE) scored 7.6 S.G.P.A

Research and Development

Workshop Organized (for Faculties)

1] One day workshop on VHDL

- The one day workshop on VHDL was organized by Electronics & Telecommunication on 12th Aug 2016.
- Hands on training on VHDL
- Dr./Prof. B. Lakshmipraba successfully coordinated the event.
- The event was organized with an objective of to give hands on training on VHDL
- The outcome of the event was students learned programming in VHDL.

2] Two days workshop on "IOT using Raspberry pi"

- The two days workshop on IOT using Raspberry pi was organized by Electronics & Telecommunication from 12/01/2017 To 13/01/2017
- IOT using Raspberry pi
- Prof. Lokesh M. Giripunje successfully coordinated the event.
- The event was organized with an objective of to give hands on training on basics of IOT. Implement IOT using Raspberry pi.
- The outcome of the event was Students learned programming in Raspberry pi & implemented IOT.

Event Photograph-1



(Workshop Inaugural Function)

Event Photograph-2



(IOT Workshop)

3] Two days workshop on " PCB Designing"

- The two days workshop on PCB Designing was organized by Electronics & Telecommunication from 29/08/2016 To 30/08/2016
- Hands on training on VHDL
- Prof. Shweta Suryawanshi successfully coordinated the event.
- The event was organized with an **objective** of to give hands on training on PCB Designing.
- The **outcome** of the event was students learned PCB Designing.

Event Photograph-1



(PCB Theory Session)

Event Photograph-2



(PCB Hands On Session)

4] Three days workshop on " PLC ,SCADA and HMI"

- The Three days workshop on PLC ,SCADA and HMI was organized by Electronics & Telecommunication from 20/02/2017, 22/02/2017 and 23/02/2017
- Hands on training on PLC ,SCADA and HMI
- Prof. Shweta Suryawanshi successfully coordinated the event.
- The event was organized with an **objective** of to give hands on training on PLC ,SCADA and HMI.
- The **outcome** of the event was students learned programming in PLC ,SCADA and HMI.

FDP Attended

- **Prof. Priya Charles attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Priya Charles attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.

- **Prof. Priya Charles attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Priya Charles participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Priya Charles participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Priya Charles participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Madhav Thigale attended** the Faculty orientation workshop for Integrated Circuits from 15th to 17th Dec 2016
- **Prof. Madhav Thigale attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Madhav Thigale attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Madhav Thigale attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Madhav Thigale participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Madhav Thigale participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Madhav Thigale participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. D. N. Hire attended** One day workshop on SE Elex/E&TC 2015 Course Syllabus finalisation on 04/05/2016 at MES, COE, Pune.
- **Prof. D. N. Hire attended** One day workshop on Introduction to VHDL Programming on 12/08/2016 at DYPIEMR, Pune.
- **Prof. D. N. Hire attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. B.Lakshmipraba attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. B.Lakshmipraba attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. B.Lakshmipraba attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. B.Lakshmipraba participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.

- **Prof. B.Lakshmipraba participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. B.Lakshmipraba participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Lokesh Giripunje participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Lokesh Giripunje participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Lokesh Giripunje participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Lokesh Giripunje attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Lokesh Giripunje attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Lokesh Giripunje attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Amruta Nikam attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Amruta Nikam attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Amruta Nikam attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Amruta Nikam participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Amruta Nikam participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Amruta Nikam participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Amruta Chore attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Amruta Chore attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Amruta Chore participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Amruta Chore participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.

- **Prof. Shweta Suryawanshi participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Shweta Suryawanshi participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Shweta Suryawanshi participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Shweta Suryawanshi attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Shweta Suryawanshi attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Shweta Suryawanshi attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Prajakta Jadhav attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Prajakta Jadhav attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Prajakta Jadhav participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Prajakta Jadhav participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Sandhaya Shinde participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Sandhaya Shinde participated** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Sandhaya Shinde participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Sandhaya Shinde attended** Two days workshop on PCB Designing on 29/08/2016 to 30/08/2016 at DYPIEMR, Pune.
- **Prof. Sandhaya Shinde attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Sandhaya Shinde attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.
- **Prof. Neha Tiwari participated** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Neha Tiwari participated** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.

- **Prof. Neha Tiwari attended** Two days workshop on IoT using Raspberry Pi on 12/01/2017 to 13/01/2017 at DYPIEMR, Pune.
- **Prof. Neha Tiwari attended** Three days workshop on PLC,SCADA and HMI on 20/02/2017 to 23/02/2017 at DYPIEMR, Pune.

MOUs

- Department of Electronics & Telecommunication has signed **MoU** with **TSSC** for **Training** on **28/06/2016 To 27/06/2018**. **Currently this MoU helps in training for faculties.**
- Department of Electronics & Telecommunication has signed **MoU** with **Bit Matrix** for **Training** on **22/07/2016**.

Research Proposals

- **Mr./Mrs. ____ (faculty name) ____** got research grant sanction of **Rs. 00000/-** from ____ **(name of the institution) ____** for Academic Year 2015 – 2016 for the work entitled ' ____ '.
******* May provide important details if any**

Patents filed by faculty

- Mrs.Amruta Chore,Mrs. Sandhya shinde, Mrs. Prajakta Jadhav,Mr.Madhav Thigale has filed a patent titled **“Automatic baby sleeping cradle”** Application No:**201721022770**.
- Dr. Mrs.A.V. Patil,Mrs. Priya Charles, Mrs. Lakshmipraba B.,Mrs.Shweta Suryawanshi,Mrs. Amruta Nikam, Mr. Lokesh Giripunje has filed a patent titled **“Tesla Room”** Application No: **201721022766**.

Faculty publications in Journals

- Mr.Lokesh M. Giripunje published paper on “Wirelessly Chargeable Eco friendly Bus with Secured RFID Authentication” in International Journal Innovative Research in Electrical, Electronics, Instrumentation and Control, India, Volume 4, Issue 5, (Print) ISSN: 2321-5528, (Online) ISSN: 2321-2004,Page No: 217-220.
- Mr.Lokesh M. Giripunje published paper on “A practical learning of ontology-based multi-article Summarization by deletion summarization techniques” in International Journal of Research In Science & Engineering, Special Issue: ICSTSD-2016, E-ISSN: 2394-8299 P-ISSN: 2394-8280,Page No: 469-476.
- Mr.Lokesh M. Giripunje published paper on “Solar Tracking for Maximum Utilization of Solar Energy” in International Research Journal of Engineering and Technology (IRJET), Special Issue: ISSN:2395-0056., Volume: 4 Issue: 2,Page No: 1911-1916.
- Mr.Lokesh M. Giripunje published paper on “INFLUENCE OF MOBILITY MODELS IN PERFORMANCE EVALUATION OF VANET ROUTING PROTOCOL: COMPARATIVE STUDY” in International Journal of Research In Science & Engineering, Special Issue 6-ICRTEST, Special Issue 6-ICRTEST, E-ISSN: 2394-8299 P-ISSN: 2394-8280,Page No: 186-194.
- Mr.Lokesh M. Giripunje published paper on “GENERATION OF ELECTRICAL ENERGY FROM SOUND AND LIGHT ENERGY” in International Journal of Research In Science & Engineering, Volume: 3 Issue: 2, E-ISSN: 2394-8299 P-ISSN: 2394-8280,Page No: 135-140.
- Mr.Lokesh M. Giripunje published paper on “Cryptography Based Secure Short Message Service (SMS) for M-commerce Security Solution” in Journal of Innovations in Engineering & Applied Science (JIEAS), Volume:1 Issue:1,Page No: 5– 9
- Mrs. Amruta Chore published paper on “Parking assistance on a crowded road using inductive loop & IOT” in Journal of Research In Science & Engineering, e-ISSN: 2394-8299,Volume: 3 Issue:2 March-April 2017, page No:54-59
- Mrs. Amruta Chore published paper on “ICNS based water management system” in International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, vol. 4, Issue 5, May 2016, ISSN (Online) 2321 – 2004 ISSN (Print) 2321 – 5526 e-ISSN: 2394-8299,Volume: 3 Issue:2 page No: 357-358
- Mrs. Amruta Chore published paper on “Survey on Different Methods of Digital Audio Watermarking” in Int. Journal of Engineering Research and Application, Vol. 7, Issue 4, (Part -4) April 2017, ISSN : 2248-9622, page No.91-96.
- Mrs. B.Lakshmipraba published paper on “FPGA based low power Digital Frequency Synthesizer” in International Journal on Emerging Technologies (IJET),Vol: 7 , Issue :2 Nov 2016, ISSN 2249-3255, page No: 61
- Mrs. B.Lakshmipraba published paper on “Wireless Connctivity in connected vehicles for road traffic safely: Reviews and ideas” in International Journal on Emerging Technologies (IJET), Vol: 7 , Issue :2, Nov 2016, ISSN 2249-3255, page: 234
- Mrs. B.Lakshmipraba published paper on “Solar Tracking System” in International Research Journal of Engineering and Technology (IRJET), vol : 4, issue :3, March 2017, ISSN 2395-0056, page No:630
- Mrs. B.Lakshmipraba published paper on “Design and Implementation of 16-bit low power ALU with clock gating” in International Research Journal of Engineering and Technology (IRJET), vol : 4, issue :3, March 2017, ISSN 2395-0056, page No:1
- Mrs. B.Lakshmipraba published paper on “Vehicular network Simulators for VANET: Review” in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), vol:6, issue : 5, May 2017 , ISSN 2319-8753, page No: 9645.

- Mrs. Sandhya Shinde published paper on “32-Bit Pipeline RISC Processor in VHDL using Booth Algorithm” in International Research Journal of Engineering & Technology (IRJET), Volume No.3, Issue 4, e-ISSN 2395-0056, page No: 2484-2487.
- Mrs. Sandhya Shinde published paper on “Role of free Space Optical Communication Network Channel over Optical Fiber Cable communication in central cellular network” in International Journal of Research in Science & Engineering, Volume No.2, Issue 6, e-ISSN 2394-8299, page No: 2394-8280.
- Mrs. Sandhya Shinde published paper on “Study of Power Electronics Devices” in International Research Journal of Engineering & Technology (IRJET), Volume No.3, Issue 12, e-ISSN 2395-0056, page No: 2395-0072.
- Mrs. Sandhya Shinde published paper on “Detection of Epileptic Seizure Using EEG Sensor” in International Journal of Recent and Innovation Trends in Computing and Communication (ILRITCC), Volume No.3, Issue 2, e-ISSN 2321-8169, page No: 293-296.
- Mrs. Sandhya Shinde published paper on “Epileptic Seizure Detection Using an EEG Sensor” in International Research Journal of Engineering & Technology (IRJET), Volume No.4, Issue 3, e-ISSN 2395-0056, page No: 1668-1671.
- Mrs. Sandhya Shinde published paper on “Using Finger Vein and Texture Matching Identify Human with the help of Holistic and Nonlinear Algorithm” in International Research Journal of Engineering & Technology (IRJET), Volume No.4, Issue 5, e-ISSN 2395-0056, page No: 1517-1520.
- Mrs. A.A.Nikam published paper on “An Overview of 5G Technology” in International Research Journal of Engineering and Technology (IRJET), vol:3,issue:4, April 2016,ISSN:2395-0056 page No: 2390-2394.
- Mrs. A.A.Nikam published paper on “Overview of Visible-Light-Communication to Enhance WiFi System” in International Journal of Modern Trends in Engineering and Research (IJMTER), Volume No.3, Issue 4, e- ISSN(online) 2349-9745, page No: 414-418.
- Mrs. A.A.Nikam published paper on “32-Bit Pipeline RISC Processor in VHDL using Booth Algorithm” in International Research Journal of Engineering & Technology (IRJET), Volume No.3, Issue 4, e-ISSN 2395-0056, page No: 2484-2487.
- Mrs. A.A.Nikam published paper on “Role of free Space Optical Communication Network Channel over Optical Fiber Cable communication in central cellular network” in International Journal of Research in Science & Engineering, Volume No.2, Issue 6, e-ISSN 2394-8299, page No: 2394-8280.
- Mrs. A.A.Nikam published paper on “Study of Power Electronics Devices” in International Research Journal of Engineering & Technology (IRJET), Volume No.3, Issue 12, e-ISSN 2395-0056, page No: 2395-0072.
- Mrs. A.A.Nikam published paper on “Using Finger Vein and Texture Matching Identify Human with the help of Holistic and Nonlinear Algorithm” in International Research Journal of Engineering & Technology (IRJET), Volume No.4, Issue 5, e-ISSN 2395-0056, page No: 1517-1520.
- Mrs. Shweta Suryawanshi published paper on “Modeling of ‘Tesla Room’ Based on Wireless Power Transfer Technology” in International Research Journal of Engineering & Technology (IRJET), Volume No.04, Issue No. 01, ISSN (online): 2395 – 0056 P- ISSN: 2395-0072, page No: 176-178.
- Mrs. Shweta Suryawanshi published paper on “Library Automation System Using Em” in International Research Journal of Engineering & Technology (IRJET), Volume No.04, Issue No. 02, ISSN (online): 2395 – 0056 P- ISSN: 2395-0072, page No: 1577-1580.
- Mrs. Prajakta Jadhav published paper on “Data Transmission Through Li-Fi” in International Research Journal of Engineering & Technology (IRJET), Vol 04,Issue 02, e-ISSN: 2395 -0056, page No: 1751-1754.
- Mrs. Prajakta Jadhav published paper on “Automated Video Surveillance” in International Research Journal of Engineering & Technology (IRJET), Vol 04,Issue 05, e-ISSN: 2395 -0056, page No: 3564-3567.

- Mrs. Prajakta Jadhav published paper on “Visible Light Communication” in International Research Journal of Engineering & Technology (IRJET), Vol 04, Issue 06, e-ISSN: 2395 -0056, page No: 1859-1863.
- Mrs. Neha Tiwari published paper on “Data Storage Security in Cloud Computing using TPA, MAC and HMAC, in International Journal of Scientific Engineering & Technology Research, Dec-16,ISSN 2319-8885 Vol 5, page No: 10234-10237.
- Mrs. Neha Tiwari published paper on “A Review-Use Of Mining Algorithm To Search Data In Cloud Environment, in International Journal of Research In Science & Engineering, May 2017,e-ISSN: 2394-8299 p-ISSN: 2394-8280 Vol 3, page No: 333-336.

Faculty Presentations in Conferences

- Mr. Lokesh M. Giripunje presented paper on “An Practical Learning Of Ontology-Based Multi-Article Summarization By Deletion Summarization Techniques” in International Journal of Research In Science & Engineering(ICSTSD-2016), Special Issue: ICSTSD-2016 ISSN Number E-ISSN: 2394-8299 P-ISSN: 2394-8280,Page No: 469-476
- Mr.Lokesh M. Giripunje presented paper on “Influence Of Mobility Models In Performance Evaluation Of Vanet Routing Protocol: Comparative Study” in International Journal of Research In Science & Engineering (ICRTEST-2016), Special Issue 6-ICRTEST, E-ISSN: 2394-8299 P-ISSN: 2394-8280,Page No: 186-194
- Mrs. Amruta Chore presented paper on “Joystick controlled wheelchair with automatic speed control” in “2nd International Conference on Internet of things and Applications for smart city 2017” Year:Nov 2016, ISSN 2249-3255.
- Mrs. B.Lakshmi praba presented paper on “Wireless Conncetivity in connected vehicles for road traffic safely: Reviews and ideas” in International Journal on Emerging Technologies (IJET), Vol: 7 , Issue :2, Nov 2016, ISSN 2249-3255, page no: 234

Interaction with outside world:

- **Mr. Lokesh M. Giripunje** worked as Reviewer for International Journal of Research In Science & Engineering.

Invited Talks/Judge/Resource

- **Mrs. B. Lakshmi praba** invited as a Judge for "**paper presentation**" event in **Technifier 2k17** held at DYPIEMR on **17/01/2017**.
- **Mr. M. H. Thigale** was invited as Resource Person for **Faculty Orientation Program**, on **15/12/2016 to 17/12/2016**.

Faculties Intercollegiate Activities

- **Mrs. B. Lakshmi praba** delivered a guest lecture on "**Digital Electronics**" in **RSCOE, Polytechnic** on **24/7/15** at **Pune**.

Training and Placement

T & P Activities

Interaction with BE students regarding opportunities in Bombardier Transportation By Mr. Manoj Misalwar (alumni of DYPCOE) and Mr. Yuvraj Joshi (Alumni of DYPIEMR) on 8/9/2016.

Placement details

E & TC ENGINEERING DEPARTMENT	
Total count of placed students	41
Total count of students	53
% of placed students	77.35

Sr. No.	Company Name	Count of Student Placed
1	Tech-Mahindra	5
2	Cappgemini	1
3	Amazon	3
4	Fiserv	1
5	NTT Data	1
6	SGS Technical Services	3
7	Iresearch Services	2
8	Force Motors	1
9	Byju	1
10	True Power Earthings Pvt. Ltd.	2
11	Color Cloud Technologies	1
12	Flextronics	7
13	Atharva Fitch	5
14	Mythos Technologies	2
15	Agromation India Pvt. Ltd.	1
16	MINDA Industries Ltd.	1
17	Sai Samarth Irrigators	1
18	Searce	1
19	Dzine Arena Pvt.Ltd.	1

Industrial visits /Tours

- Industrial Visit to Lonavala Railway station Control Room for SE (A&B) students was arranged on 29th & 30th August 2016 for Industrial Visit.
- The objective is to recognize the basic concepts of DELD in Station signal switching objectives and outcome was to demonstrate the DELD concepts in different applications.
- Industrial Visit to Seamedu School of Pro-Expressionism pune Maharashtra for SE (A) students was arranged on 9th February 2017 for Industrial Visit.
- The objective is to recognize the different aspects of Computer Graphics in Gaming and outcome was to demonstrate the CG concepts in different applications.
- Industrial Visit to Tarapur Nuclear Power Station TPS (1&2) Maharashtra for TE students was arranged on 2nd September 2016 for Industrial Visit.
- The objective is to recognize the different aspects of Nuclear Power Plant.
- Industrial Visit to seamEdu Pune for SE students was arranged on 25th August 2016 for Industrial Visit.
- The objective is to recognize basic concepts related to Communication and outcome was Demonstrate the communication concepts in different applications.
- Industrial Visit to Automation and control system Pune for TE students was arranged on 30th January 2016 for Industrial Visit.
- The objective is to recognize how theoretical concepts are used practically in industry and outcome was to demonstrate theoretical concepts in different applications.

INDUSTRIAL VISIT TO Seamedu



INDUSTRIAL VISIT

Student Development and Welfare

Guest Lectures (for Students)

1] Guest Lecture on “VLSI Digital Design”

- The “VLSI Digital Design” Guest Lecture was organized by **Electronics and Telecommunication Engineering Department** on 24/06/16.
- Speaker details: Name: Mr. Amit Khanduri and Mr. Swapnil Darekar
- Designation: Marketing Head
- Company Name: Livewire Pune
- contact details:
- email ID:
- The lecturer explained need of IC’s in detail with best practical examples and VLSI requirements and its use in today’s electronics. Various goals of VLSI such as, battery powered, smaller and more functionality with Pc reduction techniques
- The event was organized with an **objective** of to know about different modelling techniques of VLSI with design abstraction level.



Event Photograph-1
(VLSI Goals)



Event Photograph-2
(Students Attended)

Seminars (for Students)

1]“The Digital Marketing” seminar was organized by E&TC on 11/02/17.

Expert details as **Name:** Mr. Shishant Mahato, **Designation:** Digital Marketing Manager , **Company**

Name: Digital Magnet, Nagpur **contact details:** +919766613391 **email ID:** shishantm@gmail.com

The seminar was given an idea for digital world, SEM,PPC,SEO,SMM.

The event was organized with an **objective** of, to make students aware with the new concepts of Digital Marketing. The **outcome** of the event was that the students will be able to cope up with the current scenario of Digital working in this world.

Digital Marketing Seminar



Digital Marketing Seminar



2]“Design aspects in wireless communication system “ seminar was organized by E&TC on 15/02/17 for BE students

Expert details as **Name:** Mr. Santosh Jagtap , **Designation:** , **Company Name:** Wipro Technologies, Pune

The seminar was given an idea for current scenario of wireless communication and basic concepts of mobile system.

The event was organized with an **objective** of, to make students aware with the design issues in communication system. The **outcome** of the event was to turned towards advanced generations of mobile technology

Arduino and its Interfacing Seminar



Arduino and its Interfacing Seminar



3] “Arduino and its Interfacing“ seminar was organized by E&TC on 15/02/17 for TE students

Expert details as **Name:** Mr. Bharat Kumar, **Designation:** Technical Project Manager, **Company Name:** Pantech ProEd Pvt. Ltd., Pune

- 1) The seminar was given an idea for Interfacing buzzer and programming in Arduino.
- 2) The event was organized with an **objective** of, to make students aware with the Arduino and its Interfacing techniques. The **outcome** of the event was to implement a small project to build a Robot was explained.

Arduino and its Interfacing Seminar



Arduino and its Interfacing Seminar



Workshops(for students)

1] One day workshop on VHDL

- The one day workshop on VHDL was organized by Electronics & Telecommunication on 12th Aug 2016.
- Hands on training on VHDL
- Dr./Prof. B. Lakshmipraba successfully coordinated the event.
- The event was organized with an **objective** of to give hands on training on VHDL
- The **outcome** of the event was students learned programming in VHDL.

Event Photograph-1



(VHDL Workshop)

Event Photograph-2



(Hands on Session on VHDL)

2] Two days workshop on " PCB Designing"

- The two days workshop on PCB Designing was organized by Electronics & Telecommunication from 29/08/2016 To 30/08/2016
- Hands on training on VHDL
- Prof. Shweta Suryawanshi successfully coordinated the event.
- The event was organized with an **objective** of to give hands on training on PCB Designing.
- The **outcome** of the event was students learned PCB Designing.

Event Photograph-1



(PCB Theory Session)

Event Photograph-2



(PCB Hands On Session)

3] Three days workshop on " PLC ,SCADA and HMI"

- The Three days workshop on PLC ,SCADA and HMI was organized by Electronics & Telecommunication from 20/02/2017, 22/02/2017 and 23/02/2017
- Hands on training on PLC ,SCADA and HMI
- Prof. Shweta Suryawanshi successfully coordinated the event.
- The event was organized with an **objective** of to give hands on training on PLC ,SCADA and HMI.
- The **outcome** of the event was students learned programming in PLC ,SCADA and HMI.

Student Achievements

Students Patents

Mr. Atharva Saswade, Ms. Minu Samuel, Ms. Jayashri Ubale has filed a patent titled “**Tesla Room**”
Application No: **201721022766**.

Social Concern/ activities

Department organized visit to Nachiket Balashram on 28th Feb 2017 at Balashram Pune . More than (COUNT) students of (COURSE) participated in the social program.

Nachiket Balasharam



Computer Engineering

Prof Mrs.P.P.shevatekar

Head of the Department

About Department

Department of Computer Engineering of DYPIEMR offers a broad undergraduate Pune university curriculum, based on theoretical foundations of computer engineering, practical applications and designing and implementation of the products and software's. A continued effort on building and improving infrastructure whether physical or intellectual is something that is a part of department. There is addition a new building with well-equipped class rooms, laboratories and centralized computing facility. The Department aims at providing high quality training to students through the latest in computer technology. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing ones intellectual capability, besides career. Therefore department does not aim to make students walking manuals of any language or package. Instead, they are given a strong foundation in computer science and problem-solving techniques, and are made adaptable to changes. The motto of our department is to provide quality education. Thus the Engineers from the department will emerge as assets not only to this institution and to the organization they belong, but also to the country at large.

The Department regularly organizes a series of lectures by academicians and professionals of the highest repute, which lay stress on the latest innovative technologies in the field of Computer Engineering.

The Department has a team of highly experienced and motivated faculty members who are in the process of tuning the young minds to make them globally competitive.

Vision

1. To produce competent computer professionals having strong fundamental knowledge, technical skills and work ethics.

Mission

1.To promote growth of an individual by imparting comprehensive/ prerequisite knowledge using latest tools and technologies.

2.To inculcate professionalism, social awareness and to promote creativity, research aptitude by mentoring the students.

3.To establish industry institute interaction to enable student to cater to ever changing industry demands and to nurture entrepreneurial qualities.

4.To provide state-of-the-art environment and opportunities for soft skills and professional skills.

PEO's

1.To provide graduates with a solid foundation in the principles and practices of computer engineering enabling them to analyze real life problems and design and implement effective solutions.

2.To prepare graduates to apply their skills in creating innovative computing solutions by employing effective communication, teamwork, leadership, ethical practices and professionalism.

3. To prepare graduates to adapt to technological advancements by engaging in lifelong learning.

PO's

Sr no	Graduate Attributes	Program Outcomes
1	Engineering Knowledge	An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to Computer Engineering
2	Problem Analysis	An ability to define the problems and provide solutions by designing and conducting experiments, interpreting and analyzing data.
3	Design & Development of Solutions	An ability to design, implement and evaluate a system, process, component and program to meet desired needs within realistic constraints.
4	Investigation of Complex Problem	An ability to investigate, formulates, analyze and provide appropriate solution to the engineering problems.
5	Modern Tools Usage	An ability to use modern engineering tools and technologies necessary for engineering practices.
6	Engineer and Society	An ability to analyze the local and global impact of computing on individuals, organizations and society.
7	Environment & Sustainability	An ability to understand the environmental issues and provide the sustainable system.
8	Ethics	An ability to understand professional and ethical responsibility.
9	Individual & Team work	An ability to function effectively as an individual or as a team member to accomplish the goal.
10	Communication	An ability to communicate effectively at different levels.
11	Lifelong Learning	An ability to keep abreast with contemporary technologies through lifelong learning.
12	Project management & Finance	An ability to apply knowledge of principles of resource management and economics to provide better services in the field of Computer Engg.

PSO's

1. Graduate of programme should be able to demonstrate the principles and working of the hardware and software aspects of computer systems.

2. Graduate of programme should be able to use professional engineering practices, strategies and tactics for the development, maintenance and testing of software solutions

3. Graduate of programme should be able to provide effective and efficient real time solutions using practical knowledge in IT domain.

Best Practices of department

1. Academic planning and monitoring with well-organized academic structure.
2. Special care and concern for students through Teacher Guardian scheme. (1 teacher guardian per 30 students)
3. Counselling and career guidance through add-on technical and soft skill courses for preparing students for T&P activities and higher studies
4. Overall technical development of students through CSI student chapter activities.
5. Interaction with parents through parent meetings and with industry through industrial visits.
6. Indigenously developed system for online examinations.
7. Preparing students for their professional career through special training programs such as IBNC -networking program, PC assembly workshop, latex training etc.

Academic Excellence

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	44.07%	52%
2	TE	40%	79.69 %
3	BE	76.11%	97.01%

Highlights of Academic Excellence in SPPU Examination for Semester-I 2016-17 Toppers:

BE Toppers

4. Kajal Kale (scored 78.66%)
5. Sakaar Thaploo (scored 75.73%)
6. Akshay Thorat (scored 75.20%)
7. Diksha Naraynakar/ Omkar Bhat (scored 74.40%)
8. Chaoudhary Savita (scored 74.26%)

TE Toppers

9. Gupta Aishwarya (scored 75.73%)
10. Karande Shruti (scored 75.33%)
11. Priyanka Kumavat (scored 74.40%)

SE Toppers

- | | |
|--|-----------|
| 1. Wankhede Sushilkumar & Kohli Jasvindersingh | CGPA 8.68 |
| 2. Bhagwat Tejas & Dimble Renuka | CGPA 8.56 |
| 3. Suryawanshi Suraj | CGPA 8.48 |
| 4. Raykar Nikita | CGPA 8.32 |
| 5. Mhetre Harshada | CGPA 8.28 |

Highlights of Academic Excellence in SPPU Examination for Semester-II 2016-17 Toppers:

BE Toppers

- | | |
|----------------------|-----------------|
| 4. Kale Kajal | (scored 81.6%) |
| 5. Sakaar Thaploo | (scored 79.33%) |
| 6. Savita Choudhary | (scored 76.53%) |
| 7. Meenakshi Bangale | (scored 76.53%) |
| 8. Omkar Bhat | (scored 76.53%) |

TE Toppers

- | | |
|--------------------|-----------------|
| 4. Gupta Aishwarya | (scored 77.73%) |
| 5. Karande Shruti | (scored 76.40%) |
| 6. Hitansh Munjal | (scored 76.33%) |

SE Toppers

- | | |
|--------------------------|-----------|
| 4. Dimble Renuka | CGPA-8.86 |
| 5. Tejas Bhagwat | CGPA-8.84 |
| 6. Jasvinder Kohli | CGPA-8.8 |
| 7. Sudhesna Chakravarthy | CGPA-8.6 |
| 8. Suraj Suryawanshi | CGPA-8.58 |

r. No.	Company Name	Count of Student Placed
1	Tech Mahindra	06
2	Cybage Software	03
3	Capgemini	01
4	Johnson Controls	01
5	Amazon India	02
6	Meditab	01
7	I Research	05
8	SGS Technical Services	03
9	IBM	02
10	UBISOFT India	01
11	Mphasis	01
12	Ritzy Technology	01*
13	TIBCO	01*
14	Atharva Fitch	05
15	Bajaj Allianz	01*
16	Expert Global Solution	04+ 01*
17	Mythos	01*
18	Capco	02+ 1*
19	Searce	01
20	Syntel	02
21	Silicus	01*
		40 +07*

Industrial visits /Tours in Academic year 2016-17

1. Visit to **Lonavala Railway station Control Room, Lonavala** for S.E computer engineering students of both divisions(A&B) on 29th and 30th August 2016 for industrial visit.

Objective- To recognize the basic concepts of DELD in Station signal switching.

Outcome- Demonstrate the DELD concepts in different applications

2. Visit to **Seamedu School of Pro-Expressionism pune Maharashtra** for S.E computer engineering students of A division on 9th February 2017 for industrial visit.

Objective- To recognize the different aspects of Computer Graphics in Gaming

Outcome- Demonstrate the CG concepts in different applications.



FDP Attended

- Prof. Mrs Suvarna patil attended FDP on "Internet of Things" on 28-11-2016 .
- Prof. Mrs Suvarna patil attended STTP on "Outcome Based Approach to Teaching, Learning and Assessment in Engineering Education for Accreditation" on 13-12-2016
- Prof. Mrs Suvarna patil attended FDP on **"Big Data Analytics Using Hadoop"** on 6/12/2016
- Prof. Mrs Suvarna patil attended FDP on "Internet of Things" on 28-11-2016 .
- Prof. Mrs Suvarna patil attended **One Day FDP on "Object Oriented Programming"** on 14-06-2016.
- Prof. Mrs Suvarna patil attended FDP **One week STTP on Software Testing Using Open Source Tool** on 6/6/2017.
- Prof. **Mrs. Pooja Mishra** attended FDP on "Internet of Things" on 13-12-2016.
- Prof. **Mrs. Pooja Mishra** attended STTP on "Outcome Based Approach to Teaching, Learning and Assessment in Engineering Education for Accreditation" on 13-12-2016.
- Prof. **Mrs. Pooja Mishra** attended **One Day FDP on "Fundamentals of Programming"-2** on 30-12-2016.
- Prof. **Mrs. Pooja Mishra** attended FDP on **"Big Data Analytics Using Hadoop"** on 06-12-2016.
- Prof. **Mrs. Pooja Mishra** attended **One week STTP on Software Testing Using Open Source Tool** on 06-06-2016.
- Prof. **Mr. Naresh Kumar R.M** attended FDP on **"Big Data Analytics Using Hadoop"** on 09-07-2016
- Prof. **Mr. Naresh Kumar R.M** attended FDP on Advanced Trends in Engineering & Education on 14-06-2016
- Prof. **Mr. Naresh Kumar R.M** attended FDP on Advanced Trends in Engineering & Education on 14-06-2016
- Prof. **Mr. Naresh Kumar R.M** attended FDP on **Software Testing Using Open Source Tool** on 06-06-2017.
- Prof. **Mr. Naresh Kumar R.M** attended FDP on **Practical Exposure on Software Testing Using Open Source Tools** on 12-01-2017.
- Prof. Mrs. Mily Lal attended FDP on **"Big Data Analytics Using Hadoop"** on 06-12-2016.
- Prof. Mrs. Mily Lal attended FDP on "Internet of Things" on 28-11-2016.
- Prof. Mrs. Mily Lal attended FDP on " Object Oriented Programming " on 14-06-2016.
- Prof. Mrs. Mily Lal attended One week STTP on "Software Testing Using Open Source Tool" on 06-06-2017
- Prof. **Mr. Anilkumar Hulsure** attended **TEQIP Sponsered STTP ON Network System Administration & Security** on 08-03-2017.
- Prof. **Mr. Anilkumar Hulsure** attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. **Mr. Anilkumar Hulsure** attended FDP on Advance Trends in Engineering & Education on 14-06-2016.
- Prof. **Mr. Anilkumar Hulsure** attended FDP on Software and Application Development on 27-08-2016.

- Prof. Mr. Anilkumar Hulsure attended FDP on "Internet of Things" on 28-11-2016.
- Prof. Mr. Anilkumar Hulsure attended FDP on " Big Data Analytics Using Hadoop " on 10-12-2016.
- **Prof. Mohini Avatade** attended FDP on " Big Data Analytics Using Hadoop " on 06-12-2016.
- **Prof. Mohini Avatade** attended FDP on " **Microprocessor Theory** " on 13-12-2016
- **Prof. Mohini Avatade** attended FDP on " **Microprocessor Laboratory** " on 13-12-2016
- **Prof. Mohini Avatade** attended **One week AICTE-ISTE Approved STTP on Software Testing Using Open Source Tool** on 06-06-2017.
- **Prof. Mrs. P. P. Shevatekar** attended FDP on " Big Data Analytics Using Hadoop " on 06-12-2016.
- **Prof. Mrs. P. P. Shevatekar** attended **One week STTP on Software Testing Using Open Source Tool** on 06-06-2017
- Prof. Mrs. Nalini Yadav attended FDP "Big Data Analytics Using Hadoop" on 06-12-2016.
- Prof. Mrs. Nalini Yadav attended FDP "Internet of Things " on 28-11-2016.
- Prof. Mrs. Nalini Yadav attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. Mrs. Nalini Yadav attended FDP "Database Management System Laboratory " on 16-06-2017.
- Prof. Mrs. **Akanksha Goel** attended FDP "Big Data Analytics Using Hadoop" on 06-12-2016.
- Prof. Mrs. Akanksha Goel attended STTP on "R programming and data analytics" on 14-11-2016.
- Prof. Mrs. Akanksha Goel attended One week STTP on Software Testing Using Open Source Tool on 06-10-2016.
- Prof. Mrs. Akanksha Goel attended FDP on "practical exposure on Software Testing Using Open Source Tool" on 12-01-2017.
- Prof. Mrs. Tanuja Lonhari attended FDP on "Internet of Things" on 28-11-2016.
- Prof. Mrs. Tanuja Lonhari attended STTP on "Outcome Based Approach to Teaching, Learning and Assessment in Engineering Education for Accreditation" on 13-12-2016.
- Prof. Mrs. Tanuja Lonhari attended FDP on "Big Data Analytics Using Hadoop" on 06-12-2016.
- Prof. Mrs. Tanuja Lonhari attended FDP on "Advanced Trends in Engineering and Education" on 14-06-2016.
- Prof. Mrs. Tanuja Lonhari attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. Mrs. Shivganga Gavhane attended FDP on "Advanced Trends in Engg. Education" on 14-06-2016.
- Prof. Mrs. Shivganga Gavhane attended FDP on "Big Data Analytics Using Hadoop" on 06-12-2016.
- Prof. Mrs. Shivganga Gavhane attended FDP on "Internet of Things" on 28-11-2016.
- Prof. Mrs. Shivganga Gavhane attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. Mr. Gaurav Gupta attended FDP on Digital electronics & logic design on 18-06-2016.
- Prof. Mr. Gaurav Gupta attended FDP on "Big Data Analytics Using Hadoop" on 06-12-2016.
- Prof. Mr. Gaurav Gupta attended FDP on "Internet of Things" on 28-11-2016.
- Prof. Mr. Gaurav Gupta One Day FDP on "Fundamentals of Programming"-2 on 30-12-2016

- Prof. Mr. Gaurav Gupta attended FDP on “Object Oriented Programming” on 21-12-2016.
- Prof. Dr. P. P. Halkarnikar attended FDP on “Big Data Analytics Using Hadoop” on 06-12-2016.
- Prof. Dr. P. P. Halkarnikar attended FDP on “Mango DB and PL/Sql” on 23-07-2017.
- Prof. Mrs. Sandhya Gundre attended FDP on “Big Data Analytics Using Hadoop” on 06-12-2016.
- Prof. Mrs. Sandhya Gundre attended FDP on “Internet of Things” on 28-11-2016.
- Prof. Mrs. Sandhya Gundre attended One Day FDP on “Fundamentals of Programming”-2 on 30-12-2016.
- Prof. Mrs. Sandhya Gundre attended FDP on "Advanced Trends in Engineering & Education" on 14-06-2016.
- Prof. Mrs. Sandhya Gundre attended One week National Level FDP on NS2&NS3 on 07-10-2016.
- Prof. Mrs. Sandhya Gundre attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. Mrs. Sandhya Gundre attended Five days FDP on Mathematical Modeling And Statistical Analysis in Engineering on 20-06-2017
- Prof. Mrs. Abha Jain attended STTP on "R programming and data analytics" on 14-11-2016.
- Prof. Mrs. Abha Jain attended FDP on "Advance Data Structure" on 15-12-2016.
- Prof. Mrs. Abha Jain attended FDP on “Big Data Analytics Using Hadoop”on 06-12-2016.
- Prof. Mrs. Abha Jain attended FDP on "Advanced Trends in Engineering & Education"on 14-06-2016.
- Prof. Mrs. Abha Jain attended FDP on Data "Structure & Algorithm" on 11-06-2016.
- Prof. Mrs. Abha Jain attended One week STTP on "Software Testing Using Open Source Tool " on 06-06-2017.
- Prof. Ms.Ketaki Bhoyar attended FDP on "Advanced Trends in Engg. Education" on 14-06-2016.
- Prof. Ms.Ketaki Bhoyar attended FDP on “Big Data Analytics Using Hadoop” on 06-12-2016.
- Prof. Ms.Ketaki Bhoyar attended FDP on “Internet of Things ” on 28-11-2016.
- Prof. Ms.Ketaki Bhoyar attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. Mr. Ishwar Kalbandi attended FDP on “Big Data Analytics Using Hadoop” on 06-12-2016.
- Prof. Mr. Ishwar Kalbandi attended FDP on “Advanced Trends in Engineering & Education” on 14-06-2016.
- Prof. Mr. Ishwar Kalbandi attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.
- Prof. Mr. Ishwar Kalbandi attended FDP on "Practical Exposure on Software Testing Using Open Source Tools" on 12-01-2017
- Prof. Mrs. Shilpi Arora attended FDP on “Big Data Analytics Using Hadoop” on 06-12-2016.
- Prof. Mrs. Shilpi Arora attended FDP on “Internet of Things ” on 28-11-2016.
- Prof. Mrs. Shilpi Arora attended One Day FDP on “Fundamentals of Programming-2” on 30-12-2016
- Prof. Mrs. Shilpi Arora attended One week STTP on Software Testing Using Open Source Tool on 06-06-2017.

FDP Organized

- The Big Data Analytics using Hadoop was organized by Computer Engineering Department on 6th Dec 2016 to 10th Dec 2016..
- As information is transferred and shared at light speed on optic fiber and wireless networks, the volume of data and the speed of market growth increase. However, the fast growth rate of such large data generates numerous challenges, such as the rapid growth of data, transfer speed, diverse data, and security. Nonetheless, Big Data is still in its infancy stage, and the domain has not been reviewed in general. Hence, this study comprehensively surveys and classifies the various attributes of Big Data, including its nature, definitions, rapid growth rate, volume, management, analysis, and security.
- Mr.Nareshkumar R.M and Mr.Ishwarappa R.K successfully coordinated the event.
- The event was organized with an objective of " This FDP is aimed to give academicians an opportunity to explore research avenues in the field of Big Data."
- The outcome of the event was " Faculties able to understand and solved the challenges of Bigdata".

Workshop Attended

- Prof. Mrs Suvarna patil attended State Level Workshop on “ Advanced Techniques to write and present Research Paper and Patent" on 9/7/2016.
- Prof. Mrs. Pooja Mishra attended **One Day Workshop Cyber Security on 10-09-2016.**
- Prof. Mrs. Pooja Mishra attended Workshop on “Cyber Security and Forensic Tools”on 06-10-2016.
- Prof. Mrs. Pooja Mishra attended Workshop on “Cyber Security and Forensic Tools”on 06-10-2016.
- Prof. Mr. Naresh Kumar R.M attended Workshop on “ Advanced Techniques to write and present Research Paper and Patent"on 9/7/2016.
- Prof. Mr. Naresh Kumar R.M attended Workshop on **Project Competition CODEX on 29-03-2017.**
- Prof. Mr. Naresh Kumar R.M attended Workshop on **Android Apps Developemnt on 12-06-2017.**
- Prof. Mrs. Mily Lal attended State Level Workshop on Cloud Computing on 18-02-2016.
- Prof. Mrs. Mily Lal attended State Level Workshop on “ Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- Prof.Mr.Anilkumar Hulsure attended State Level Workshop on “ Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- **Prof. Mohini Avatade attended workshop on Project Competition CODEX on 23-03-2017**
- **Prof. Mohini Avatade attended workshop on One Week Workshop on Android Apps Developement on 12-06-2017**
- **Prof. Mrs. P. P. Shevatekar attended workshop on Project Competition CODEX on 23-03-2017**
- **Prof. Mrs. P. P. Shevatekar attended workshop on Android Apps Developement on 12-06-2017.**
- Prof. Mrs. P. P. Shevatekar attended State Level Workshop on “ Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- **Prof. Mrs. Nalini Yadav attended workshop on Project Competition CODEX on 23-03-2017**
- **Prof. Mrs. Nalini Yadav attended workshop on Android Apps Developement on 12-06-2017.**
- **Prof. Mrs. Nalini Yadav attended State Level Workshop on “ Advanced Techniques to write and present**

Research Paper and Patent" on 09-07-2016.

- Prof. Mrs. Nalini Yadav attended Two days National Workshop on Accreditation Process for Technical Institutions on 15-12-2016.
- Prof. Mrs. Akanksha Goel attended TE QIP sponsored Workshop on “Cyber Security and Forensic tools” on 06-10-2016.
- **Prof. Mrs. Akanksha Goel attended workshop on Project Competition CODEX on 29-03-2017**
- **Prof. Mrs. Akanksha Goel attended workshop on Android Apps Developement on 12-06-2017.**
- **Prof. Mrs. Akanksha Goel** attended State Level Workshop on “Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- Prof. Mrs. Tanuja Lonhari attended Two day National Workshop on "Accreditation Process for Technical Institutions" on 15-12-2016.
- Prof. Mrs. Tanuja Lonhari attended State Level Workshop on “Android Application Development” on 22-01-2016.
- Prof. Mrs. Shivganga Gavhane attended TE QIP sponsored Workshop on “Cyber Security and Forensic tools” on 06-10-2016.
- Prof. Mrs. Shivganga Gavhane attended State Level Workshop on “Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- Prof. Mrs. Shivganga Gavhane attended "One day workshop on cyber security" on 10-09-2017
- **Prof. . Mrs. Shivganga Gavhane attended workshop on Android Apps Developement on 12-06-2017.**
- **Prof. Mr. Gaurav Gupta attended workshop on Android Apps Developement on 12-06-2017.**
- **Prof. Mr. Gaurav Gupta** attended State Level Workshop on “Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- **Prof. Mr. Gaurav Gupta attended workshop on Project Competition CODEX on 29-03-2017.**
- **Prof. Dr. P. P. Halkarnikar attended workshop on Android Apps Developement on 12-06-2017.**
- **Prof. Mrs. Sandhya Gundre** attended State Level Workshop on “Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- **Prof. Mrs. Sandhya Gundre attended workshop on Project Competition CODEX on 29-03-2017.**
- **Prof. . Mrs. Sandhya Gundre attended workshop on Android Apps Developement on 12-06-2017.**
- **Prof. Mrs. Abha Jain** attended State Level Workshop on “Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- **Prof. Mrs. Abha Jain attended workshop on Project Competition CODEX on 29-03-2017.**
- **Prof. Mrs. Abha Jain attended workshop on Android Apps Developement on 12-06-2017.**
- Prof. Ms. Ketaki Bhoyar attended TE QIP sponsored Workshop on “Cyber Security and Forensic tools” on 06-10-2016.
- Prof. Ms. Ketaki Bhoyar attended State Level Workshop on “Advanced Techniques to write and present Research Paper and Patent" on 09-07-2016.
- Prof. Ms. Ketaki Bhoyar attended "One day workshop on cyber security" on 10-09-2016.
- Prof. Ms. Ketaki Bhoyar attended workshop on Android Apps Developement on 12-06-2017.

- **Prof. Mr. Ishwar Kalbandi** attended State Level Workshop on “ Advanced Techniques to write and present Research Paper and Patent” on 09-07-2016.
- **Prof. Mr. Ishwar Kalbandi** attended workshop on Project Competition CODEX on 29-03-2017.
- **Prof. Mr. Ishwar Kalbandi** attended workshop on Android Apps Development on 12-06-2017.
- Prof. Mrs. Shilpi Arora attended workshop on Android Apps Development on 12-06-2017.
- Prof. Mrs. Shilpi Arora attended State Level Workshop on “ Advanced Techniques to write and present Research Paper and Patent” on 09-07-2016.

Workshop Organized

1. Software Testing Using Open Source

- The " Software Testing Using Open Source Tool "was organized by Computer engineering on 6th to 10th June 2017.
- Testing is the process of evaluating a system or its component(s) with the intent to find whether it satisfies the specified requirements or not. In simple words, testing is executing a system in order to identify any gaps, errors, or missing requirements in contrary to the actual requirements.
- Dr./Prof. Mr.Nareshkumar R.M and Mr.Ishwarappa R.Ksuccessfully coordinated the event.
- The event was organized with an objective of " This STTP is aimed to give academicians an opportunity to explore research avenues in the field of Software Testing."
- The outcome of the event was
 1. Understand the importance of software quality/software testing and apply software testing techniques for information systems development.
 - 2.Generate test cases from software requirements using various test processes for continuous quality improvement. "

2. Advanced Techniques to Write & Present Research Paper & Patent

- The "Advanced Techniques to Write & Present Research Paper & Patent "was organized by Computer engineering on 9th July 2016.
- The aim is to help the authors of research papers, especially beginners, in preparing effective research papers. The program was covered the various steps involved in the writing and publication processes of the research paper and patent.
- Mr.Nareshkumar R.M successfully coordinated the event.
- The event was organized with an objective of
 1. Research is an organized investigation of a problem in which there is an attempt to gain solution to a problem
 - 2.A patent is a set of exclusive rights granted by a sovereign state to an inventor or assignee for a limited period of time in exchange for detailed public disclosure of an invention.
- The outcome of the event was
 - 1.A stepwise approach to research paper writing.
 - 2.Processes involved in the assessment of the quality of research papers.
 - 3.Ethical issues associated with doing research and publishing research papers Issues.
 - 4.Related to grammar and syntax in research communications/reports.
 - 5.Explained about how to prepare and submit the file for Patent.

Faculty publications in Journals

- Mrs.Mily Lal and Mrs Akanksha Goel published paper on "Extraction of Aspects from Customer Reviews using Life Long Learning" in International journal of science and research, Volume 5, Page No 150-152, 2016 ISSN: 2319-7064.
- Mrs.Mily Lal, Mrs Akanksha, Goel Mrs.Abha Jain published paper on "A Survey: Improving Accuracy Of Sentiment Analysis By Handling Bi-Polar Words" in International Journal of Research In Science & Engineering (IJRISE), Volume 3, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280.
- Mrs. Tanuja Lonhari Mrs. Suvarna Patil, Mrs. Sarika Patil published paper on "Use of Mobile Applications in Healthcare: A Review" in International Journal of Engineering Research and General Science, Volume 4, Page No 38 - 42, ISSN: 2091-2730, 2016
- Mrs. Tanuja Lonhari published paper on "Mobile Learning: Revolutionizing Education" in International Journal of Engineering Research and General Science, Volume: 4, Page no. 38-42, 2016 ISSN: 2091-2730
- Mrs. Tanuja Lonhari published paper on "MEASURES TO CALCULATE SEMANTIC SIMILARITY: A SURVEY" in International Journal of modern Trends in Engineering and Research, Volume: 4, Page no. 106 - 109, 2017, ISSN: 2349-9745 /2393-8161
- Mrs. Tanuja Lonhari Mrs. Sandhya Gundre, Mrs. Shilpi Arora published paper on "Using Semantic Recommenders for Personalized Recommendations" in International Journal of Recent and Innovation Trends in Computing and Communication, Volume: 5, Page no. 151-154, 2017, ISSN: 2321-8169.
- Mrs. Tanuja Lonhari Mrs. Sandhya Gundre, Mrs. Shilpi Arora published paper on "Challenges and Opportunities in Big Data Processing" in International Journal of Computer Science & Mobile Computing, Volume: 6, 2017, ISSN: 2320-088X.
- Mrs.Sandhya Gundre, Mrs. Kiruthika Arun Kumar, Mrs. Abha Jain published paper on "A study on user search Engine Goals by Using DBMS" in International Journal of Innovative Research in Computer and Communication Engineering, Volume: 4, Page no. 72-75, 2016, ISSN (Online): 2320-9801 ISSN (Print): 2320-9798.
- Mrs.Sandhya Gundre published paper on "Challenges and Issues in Android Digitalisation" in International Journal of Innovative Research in Computer and Communication Engineering, Volume: 4, Page no. 9812-9816, 2016, ISSN (Online): 2320-9801 ISSN (Print): 2320-9798
- Mrs.Sandhya Gundre Mrs. Tanuja Lonhari, Mrs. Shilpi Arora published paper on "Challenges and Opportunities in Big Data Processing" in International Journal of Computer Science & Mobile Computing, Volume: 6, 2017, ISSN: 2320-088X
- Nalini Yadav published paper on "Survey Paper On Web Application For Home Theaters" in (Journal name), Volume: 5,5, Page no. XYZ, May 2015 ISSN: 2277 128X
- Nalini Yadav published paper on "Survey Paper On Web Application For Home Theaters" in International Journal of Research In Science & Engineering, Volume: 3, 2017, May 2015, Page no. 273-277, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Nalini Yadav published paper on "Content-Based Video Retrieval Using Vector Quantization" in International Journal of Research In Science & Engineering, Volume: 3, 2017, 2017, Page no. 258-266, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280.
- Mrs.Nalini Yadav Mrs.P.P.Shevatekar Mr.Nareshkumar R.M published paper on "A Comparative Study of Classification Techniques in Data Mining Algorithms" in International Journal of modern Trends in Engineering and Research, Volume: 3, Page no. 258-266, 2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Nalini Yadav published paper on "Comprehensive Survey on Content Based Video Retrieval" in International Journal of Advances in Computer and Electronics Engineering, Volume: 2, Page no. 26-34, 2017, ISSN: 2456-3935
- Nalini Yadav published paper on "Hybrid Wavelet Transformed Row/Column Mean Content based Image Retrieval with Image Tiling" in International Journal of Innovations & Advancement in Computer Science, Volume: 6, Page no. 1-5, 2017, ISSN: 2347-8616.
- Suvarna Patil, Tanuja Lonhari, Sarika Wagh published paper on "Use of Mobile Applications in Healthcare: A Review" in (International Journal of Engineering Research and General Science), Volume: 3, Page no. 38 - 42, 2016 ISSN: 2091-2730

- Suvarna Patil,Pooja Mishra published paper on “Improved Mobicast Routing Protocol to Minimize energy consumption for Underwater Sensor Networks” in International Journal of Research In Science & Engineering (IJRISE), Volume: 4, Page no. 197-204,2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Suvarna Patil,Pooja Mishra,Manisha Bhende published paper on “Internet of Things: Applications and Current IoT Platforms” in International Journal of Science and Advanced Technology ,Volume: 7, Page no. 14-17, May 2017 ISSN: 2221-8386
- Suvarna Patil, Megha Kandharkar, Mahesh Pharande, Priya Gupta published paper on “Trust and Reputation Calculation System for Cloud and Sensor Networks” in international journal for science and advance research in technology, Volume: 3, Page no. 1241-1244, March 2017 ISSN: 2395-1052
- Prof. Nareshkumar R M ,Gayatri Sarag Pooja Doshi published paper on “PRIVACY-PRESERVING PUBLIC AUDITING DATA INTEGRITY FOR SHARED DATA IN THE CLOUD” in International Journal of Research In Science & Engineering (IJRISE),Volume: 1, Page no. 160-164, 2016, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Prof. Nareshkumar R M, Mr.Shoaib Zarikar published paper on “An Efficient and Secure Dynamic Auditing for Regenerating-Code-Based Cloud Storage” in International Journal of Innovative Research in Computer and Communication Engineering, Volume: 5, Page no. 9511-9516, May 2017, ISSN (Online): 2320-9801 ISSN (Print): 2320-9798
- Prof.Nareshkumar R.M Prof.Anilkumar Hulsure Mr.Ravikumar Bajaj Mr. Jitendra Jha published paper on “A DYNAMIC MULTI-KEYWORD RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA USING ADL” in International Journal of Research In Science & Engineering, Volume: 3, Page no. 230-236, April 2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Prof. Shivganga Gavhane ,Ms. Ketaki Bhoyar published paper on “A SECURED MOBILE HEALTH CARE SYSTEM USING WIRELESS BODY SENSOR NETWORK” in INTERNATIONAL JOURNAL OF ADVANCES IN CLOUD COMPUTING AND COMPUTER SCIENCE (IJACCCS),Volume: 2, Jan 2017, ISSN: 2321-4058
- Prof. Shivganga Gavhane, Ms. Ketaki Bhoyar published paper on “DESIGNING OUTSOURCING SCHEME WITH IBE REVOCATION IN CLOUD” in International Journal of Research In Science & Engineering (IJRISE), Volume: 3, Page no. 156-161, 2017, ISSN: E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Prof. Shivganga Gavhane,Akash Jadhav, Rohit Jadhav published paper on “IMPLEMENTATION OF WEB APPLICATION USING LARAVEL FRAMEWORK” in International Journal of Engineering Science and Management Research (IJESMR) , Volume: 4, Page no. 47-51,2017 ISSN: 2349-6193
- Abha Jain published paper on “A study on user search Engine Goals by Using DBMS” in International Journal of Innovative Research in Computer and Communication Engineering, Volume: 4, Page no. 72-75, 2016, ISSN (Online): 2320-9801 ISSN (Print): 2320-9798
- Prof. Ishwarappa R Kalbandi Dr.J. Anuradha published paper on “Feedback Analysis of unstructured data from Social Networking a Big Data Analytics Approach” in International Journal for Science and Advance Research In Technology, Volume: 3, Page no. XYZ, 2017, ISSN: 2395-1052
- Prof. Ishwarappa R Kalbandi Dr.J.Anuradha Dr.P.P.Halkarnikar published paper on “Architectural Patterns for the Secure Multicloud Architectures” in International Journal for Science and Advance Research In Technology, Volume: 3, Page no. 870-874,2017, ISSN: 2395-1052
- akanksha goel published paper on “Extraction of Aspects from Customer Reviews using Life Long Learning” in International journal of science and research, Volume: 5, Page no.150-152 , 2016,ISSN: 2319-7064
- Anilkumar Hulsure, Mrs. P.P.Shevatekar published paper on “An ameliorated methodology for computing amortized cost for software development project” in International Journal of Computer Applications, Volume:3 , Page no.21-22 , 2017,ISSN: 0975 - 8887
- Anilkumar Hulsure published paper on “AMELIORATED METHODOLOGY FOR MODELING AND DETECTION OF CAMOUFLAGING WORM” in International Journal of research in science & engineering , Volume:3 , Page no.20-25 , 2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Anilkumar Hulsure published paper on “A DYNAMIC MULTI - KEYWORD RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA USING ADL” in International Journal of research in science & engineering, Volume:3, 2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Ms. Ketaki Bhoyar published paper on “Packet Dropping Attacks in Wireless Ad Hoc Networks Using Privacy Preserving And Truthful Detection ” in International Journal of Research In Science & Engineering , Volume: 3, , Page no:181-185 ,2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Ms. Ketaki Bhoyar published paper on “ ” in International Journal of Research In Science & Engineering (IJRISE) , Volume: 3, , Page no:156-161 ,2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Mrs.Pooja Mishra published paper on ““Detection of Node Replication Attacks in MSN Using EDD Algorithms ” ”

in International Journal of Research in Engineering and Technology, Volume: 3, , Page no: 655-659 ,2016, ISSN : 2319-1163

- Mrs.Pooja Mishra published paper on “Improved Mobicast Routing Protocol to Minimize energy consumption for Underwater Sensor Networks ” in International Journal of Research in Engineering and Technology, Volume: 3 , Page no: 197-204 ,2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Mrs.Pooja Mishra published paper on “Internet of Things: Applications and Current IoT Platforms ” in International Journal of Science and Advanced Technology, Volume: 7, , Page no: 14-17 ,May 2017, ISSN : 2221-8386
- Mrs.Pooja Mishra published paper on “Data Storage Security in Cloud Computing using TPA, MAC and HMAC” in International Journal of Science, Engineering and Technology Research, Volume: 5, , Page no: 10234-10237 ,2016, ISSN : 2278-7798
- Mrs. Mohini Avatade Mrs. Shivganga Gavhane Ms. Ketaki Bhoyar published paper on “Speech Enhancement Based on ICA and Adaptive Wavelet Thresholding in Stationary and Non Stationary Noise Environment ” in International Journal of Science and Research (IJSR) , Volume: 6, , Page no: 448-453 ,2017, ISSN : 2319-7064
- Mr Gaurav B Gupta Mr. Lokesh Giripunje Ms.Pranjali D published paper on “An practical learning of ontology-based multi-article summarization by deletion summarization techniques ” in International Journal of Research In Science & Engineering[IJRISE], Special Issue: ICSTSD-2016 June 2016, , Page no: 469-476 ,2016, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Mr Gaurav B Gupta Mr.Lokesh Giripunje published paper on “Architectural Patterns for the Secure Multicloud Architectures ” in International Journal for Science and Advance Research In Technology, Volume:3, , Page no: 875-887 ,2017, ISSN : 2395-1052
- Mrs. Neha Tiwari published paper on “ Data Storage Security in Cloud Computing using TPA, MAC and HMAC” in International Journal of Scientific Engineering & Technology Research, Volume:5, , Page no: 10234-10237 ,2017, ISSN : 2319-8885
- Mrs. Neha Tiwari published paper on “A REVIEW-USE OF MINING ALGORITHM TO SEARCH DATA IN CLOUD ENVIRONMENT ” in International Journal of Research In Science & Engineering, Volume:3, , Page no: 333-336 ,June 2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Mrs. Neha Tiwari published paper on “Optimal Distributed Coordination Function: Implementation and Evaluation ” in International Journal of Research In Science & Engineering, Volume:3, , Page no: 261-268 ,June 2017, E-ISSN:- 2394-8299 P-ISSN:- 2394-8280
- Mrs. Shilpi Arora published paper on “Data Storage Security in Cloud Computing using TPA, MAC and HMAC ” in International Journal of Scientific Engineering & Technology Research, Volume: 5, , Page no: 10234-10237, 2016, ISSN : 2319-8885
- Amardeep Yadav, Sunil Shekade, Nilesh Rajput, Prof. Abha Jain published paper on “IMPLEMENTATION OF ANDROID APPLICATION USING FIREBASE ” in International Journal of Research In Science & Engineering, Volume: 2, issue 6, 2017, e-ISSN: 2394-8299 p-ISSN: 2394-8280

MOUs

- Department of Computer Engineering has signed **MoU** with Engineering cluster
- Department of Computer Engineering has signed MoU with College of Engineering, Pune
- Department of Computer Engineering has signed MoU with Virtusa polaris, Chennai.

PhD Registration:

- Mr. Ishwarappa R Kalbandi is pursuing Ph.D in Data Mining at the research centre “Vellore Institute of Technology, Vellore Tamilnadu”, in the area of Big Data Analytics
- Mr. Nareshkumar R.Mustary is pursuing Ph.D in Wireless Sensor Network at the research center "Gandhi Institute of Technology & Management (GITAM), Hyderabad" in the area of Mobile Adhoc Network (MANET).
- Mr.Amol Dhakne is pursuing Ph.D in Design of Effective Trust based Intrusion Detection System in Wireless Sensor Network in Government College of Engineering, Amaravati, Sant Gadagebaba Amaravati University.

Student Development and Welfare

Students Association COMPSA

Sr. No.	Particulars	Class	Date
1.	Session on CodeVita	TE	27/07/16
2.	English Initiative	TE	30/07/16
3.	Workshop in Career in IT	SE & TE	04/08/16
4.	Code Genesis	SE	01/08/16
4.	Teacher's Day	SE & TE	07/09/16
5.	SE Welcome Function	SE & TE	07/09/16

Teachers's day celebration



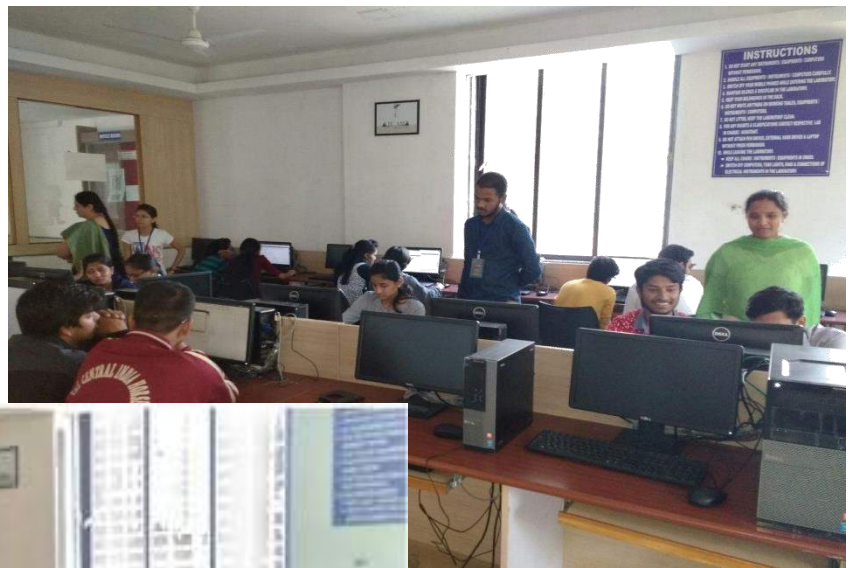
Technical Events

'I-TRIX 2K17' was organized for students at the Institute by Department of Computer Engineering.

The key objective of this Technical Event was to help the students inculcate management skills, active participation, communication skills, functioning independently, without need for constant reassurances from others; reasonable risk-taking; demonstration of personal control; self-motivation; feelings of usefulness; development and confirmation of identity; confidence, ethics, and integrity; realistic self-appraisal and self-understanding with competent technical knowledge, team work and healthy competition.

Event 1- Criddles

- 17th and 18th January 2017
- The competition was focused on three major concepts that an Intermediate programmer must know about, which were: Debugging, Pattern Coding, and blind Coding. The participants were judged on various parameters like Time, Accuracy and their general knowledge for solving the riddles.
- The event was organized with an objective of bringing the fun side of the technical events
- The outcome of the event was the participants were forced to think beyond their capabilities.



Event 2- Pictualize

- 17th and 18th January 2017
- Participants loaded with their camera gear were thrilled for the competition to begin. Each participant were given a theme of which they were supposed to capture a photograph from within the college campus.
- The event was organized with an objective of bringing the creative side of students.
- The outcome of the event was the participants were pushed the bar way too high, leading to some amazing photographs.

Event 3- Game On!

- 17th and 18th January 2017
- **"GAME-ON!"** was one of the non-technical events which were basically set up to relax all the participants organised The event was organized with an objective of bringing the fun side of the technical events.
- The objective of event was to bring fun side of technical event.
- **The outcome of the event was that It ended in a nail-biting fashion with all the participants happy with the respective prizes they won.**

Counter Strike



Student Achievements

- 5 teams participated in Smart India Hackathon 2017, one of them reached to final round.
- 2 teams participated in Workshop/Competition IOT, IIT ROORKEE, one of them is finalist.
- CPP- Certification (IIT Bombay) was completed by all TE Students.
- C Training (IIT Bombay) completed by all SE Students.
- SE, TE, BE Students participated in Smart India Hackathon 2017 (Open Forum Discussion)
- ALL BE project groups participated in CODEX 2K17 Project Competition.
- Siddharth Palki, Abhi Singh participated in KYRION-COEP Pune (Ethical Hacking Workshop)
- Siddharth Palki, Abhi Singh participated in iSUMMIT 2017 –iFEEL Campus Lonawala
- Siddharth Palki, Abhi Singh participated in ChatRoom Drama- Singhad Institutes.
- Siddharth Palki, Abhi Singh participated in TECHLLIGENT 2017-PCCOE.
- Gautam Kumar participated in Big Data 101.
- Nikhil Kakade, Shubham Jagtap participated in Zest'16 (Basket Ball Competition –COEP Pune).
- Shubham Jagtap participated in Avishkar 2016 (Basket Ball, Indira College of Engineering & Management, Pune).
- Shubham Jagtap participated in TEXCELLENCE-2016 (D.Y. Patil Technical Campus).
- Ghumed Aniket, Sanjay Kumar participated in Training on Aptitude & Soft Skills.
- Shweta Salape, Shubham Priyadarshi participated in IBM CE- Big Data & analytics (Training Completed).
- Omkar Bhat participated in Global Youth Employability Initiative.
- Omkar Bhat participated in Persistent Systems Ltd (Symposium).
- Laukik Kakade participated in "Spandan".
- Priti Vijaykumar Nalgire participated in LifeSkills Training Conducted by GTT and NASSCOM Foundation.
- Rutuja Dilip Kalbhor participated in Mendi Competition (ATSS-CBSCA).
- Siddharta Patil participated in ORACLEZION'17.

Student Publication

- Mr. Ravi Bajaj, Mr. Jitendra Jha published paper on "A DYNAMIC MULTI - KEYWORD RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA USING ADL" in International Journal of Research In Science & Engineering, Volume: 3, Issue: 2, Page No 230-236, 2017.
- Mr. Subham Shaw, Mr. Minakshee Bangale, Ms. Susmita Dhuma published paper on "Mobile based Bus Ticketing System" in International journal for science and advance research in technology, Volume: 3, Issue : 4, Page No 835-838, 2017.
- Ms. Shraddha Chougule, Ms. Shivanjali Desai published paper on "Diagnosis of Packet dropping attacks in Wireless AdHoc Networks with Secure Routing and High Detection Accuracy" in International Journal for Science and Advance Research In Technology, Volume: 3, Issue : 5, Page no : 625-629 2017.
- Mr. Aniket Ghumed, Ms. Diksha Narayankar, Mr. Sakaar Thaploo published paper on "Diagnosis of Packet dropping attacks in Wireless AdHoc Networks with Secure Routing and High Detection Accuracy" in International Journal of Research In Science & Engineering, Volume: 3, Issue : 2, 2017.
- Ms. Salil Manohar, Mr. Shubham Priyadarshi, Mr. Vaibhav Mittal published paper on "CONTENT-BASED VIDEO RETRIEVAL USING VECTOR QUANTIZATION" in International Journal of Research In Science & Engineering, Volume: 3, Issue : 2, Page No 258-266, 2017.
- Mr. Zariker Shoaib published paper on "An Efficient and Secure Dynamic Auditing for Regenerating-Code-Based Cloud Storage" in International Journal of Innovative Research in Computer and Communication Engineering, Volume: 5, Issue : 5, 2017. ISSN: 9511-9516
- Ms. Reshma Zende, Ms. Savita Choudhary, Mr. Vinay Jagannava, Mr. Keshav Vijayakrishna Mittal published paper on "PERSONAL HEALTH INFORMATICS USING SENSORS AND ACTIVITY TRACKERS" in International Journal of Research in Science & Engineering,

Volume: 5, Issue :2, Page No 285-290, 2017.

- Mr. Aniket Ghumed, Ms. Diksha Narayankar, Mr. Sakaar Thaploo published paper on “SURVEY PAPER ON WEB APPLICATION FOR HOME THEATERS ” in International Journal of Research In Science & Engineering, Volume: 3, Issue :2, Page No 273-277, 2017.

Faculties Remarkable Achievements

- Dr. P. P. Halkarnikar has been awarded Ph.D from Shivaji University, Kolhapur
- Mrs. Nalini Yadav, Mrs. Suvarna Patil “Construction of Haar Pyramid” applied the Copyright (Dairy Number: 9840/2017-CO/L) Dated 24/06/2017.
- Mrs. Mily Lal “Engineering Education and Computer Programming Side by Side “ applied the Copyright (Dairy Number : 9545/2017-CO/L) Dated 16/06/2017.
- Mrs. Akanksha Goel “Improvement in Blender’s Algorithm” applied the Copyright (Dairy Number : 9595/2017-CO/L) Dated 17/06/2017.

Social Activities

Visit to Nachiket Balgram

With the concern with society a department has organized visits and events at Nachiket Balashram, Akurdi. Department has distributed school stationary kits to students. Faculties and students of department has interacted with the students at Balgram and solved their studies related issues.



DEPARTMENT OF CIVIL ENGINEERING

Ms. A.P. Kulkarni

Head of the Department

About Department

The Department of Civil Engineering was established in the year 2012. To enhance the technical skill of students department has a team committed to serve students with untiring zeal and enthusiasm. Our faculty is a conglomerate of variety of field experienced people and also people with high academic career under varied specialization like Structures, Water Resources Engineering, Construction Management, Transportation and Environmental Engineering. We provide well equipped laboratories to perform experiments and endeavour to provide better teaching facilities. Department is well set to provide excellent Civil engineer, well trained in all aspects and adequately prepared to be accepted globally. Maiden batch of our department have been graduated in 2016.

Vision

“To produce competent Civil Engineers by providing quality technical education ,technical skills and work ethics”

Mission

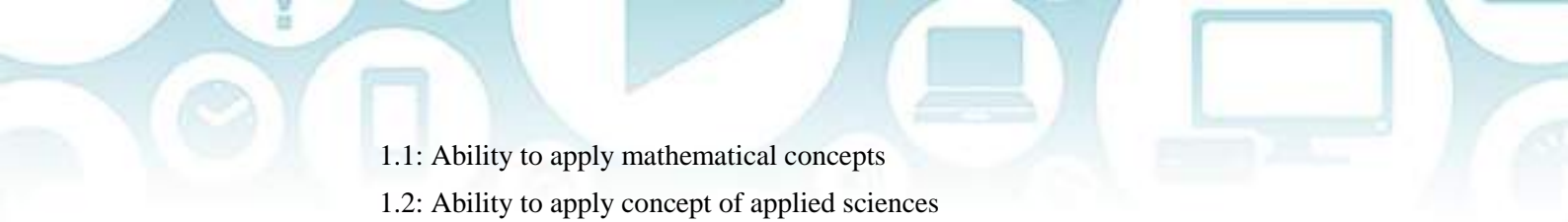
1. To educate students by providing sound technical knowledge and its practical application to work in industry.
2. To encourage budding Civil Engineers to develop creative and innovative ideas through curricular and extracurricular activities.
3. To create awareness of technological changes by providing industry-institute collaboration & prepare students for lifelong learning.
4. To reinforce comprehensive qualities, professional & communication skills and ethical standards.

PEO's

1. To have strong fundamental concepts in mathematics, basic sciences and engineering to meet challenges in the field of civil engineering.
2. To motivate higher education and lifelong learning for developing their technical skill, management skill, and to become professional expertise.
3. To enhance their oral and written soft skill for effective leadership and active participation in team work.
4. To develop ethical skills for identifying alternative solutions related with social, economic, environmental and public safety.

PO's

1. Apply the knowledge of mathematics, science, engineering fundamentals for the solution of complex problems in civil engineering

- 
- 1.1: Ability to apply mathematical concepts
 - 1.2: Ability to apply concept of applied sciences
 - 1.3: Ability to apply knowledge of engineering fundamentals.
 2. Ability to conduct experiments, interpret & analyze data and document the results.
 - 2.1: Ability to conduct experiments.
 - 2.2: Ability to interpret and analyse the data
 - 2.3: Ability to document experimental results.
 3. Ability to design civil engineering applications in real life.
 - 3.1: Ability to analyse civil engineering problems.
 - 3.2: Ability to design civil engineering structures.
 4. Ability to identify, formulate, solve civil engineering problems.
 - 4.1: Ability to identify the civil engineering problems
 - 4.2: Ability to collect data and formulation of model for civil engineering problem
 - 4.3: Ability to find solution for the problem
 5. Familiar with modern engineering software tools and equipment's to apply in civil engineering problems.
 - 5.1: Have knowledge of various software applications
 - 5.2: Familiar with the advanced equipment and machines in civil Engineering.
 6. Confidence to apply engineering solutions in social & global context and to evaluate the impact of engineering solutions on society, health, safety, legal, cultural and environment issues for sustainable development.
 7. Ability to apply Engineering solutions to environmental issues and identify impact on health issues.
 8. Ability to realize professional and ethical responsibilities.
 9. Work effectively as a team member or leader of design & project teams.
 - 9.1: Ability to work as a team member
 - 9.2: Ability to lead a team effectively.
 10. Communicate effectively in engineering activities with engineering community and write effective reports and design documents.
 - 10.1: Effective oral communication skills
 - 10.2: Ability to drafting writing skills
 11. Demonstrate knowledge of civil engineering and project management principles and apply them to handle construction projects.

12. Ability of self-education and develop career advancement issues.

12.1: To inculcate the habit of self-learning

12.2: Ability to identify career growth opportunities

PSO's

Civil Engineering graduates will be able to:

1. PSO 1 (Engineering Knowledge and Analysis): Analyze specific engineering problems relevant to Civil Engineering by applying the knowledge of basic sciences, engineering mathematics and engineering fundamentals.
2. PSO 2 (Design & Formulate): Design and solve problems from various area of Civil Engineering by using Civil Engineering Knowledge.
3. PSO 3 (Application of the Knowledge on Environment & take responsibility): Application of Civil Engineering knowledge for solving Environmental issues and awareness about responsibility.
4. PSO 4 (Self Development): Apply the contextual knowledge of Civil Engineering to lead the project group, work as project management, self education.

Best Practices of department

1. Department conducts various workshops, seminars/special invited lectures by leading professionals for upgrading students skills and enriches their knowledge about recent technologies.
2. Department also encourages its students to engage in extra-curricular and co-curricular activities to bring out their inherent talents and to develop team spirit and organizational skills.
3. Department organizes technical event “REINFORZE” every year to enrich student’s learning and organizational abilities.

Academic Excellence AY 2016-17

Sr. No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	25.50 %	36.0 %
2	TE	32.37 %	60.77 %
3	BE	60.15 %	98.50 %

Highlights of Academic Excellence in SPPU Examination for Semester-I 2016-17

Toppers:

BE Toppers

12. Ms. Shaikh Heena Afzal scored 78.53%
13. Ms. Sayeed Nausheen Ayuyub scored 77.2 %
14. Mr. Salunkhe Varun Ramesh scored 76.67 %
15. Mr. Patil Ranjeet scored 75.47%
16. Mr. Temgire Ashok scored 75.07 %

TE Toppers

1. Ms. Shinde Dhanashree scored 76.8 %
2. Mr. Vishwamohan Pandey scored 76.53 %
3. Mr. Atul Dilip Gavali scored 74.93 %
4. Mr. Akshay Chinchore scored 74.67 %
5. Mr. Nimbalkar Aadesh scored 73.60 %

SE Toppers

6. Mr. Mayank Gadiya scored a SGPA of 9.08
7. Mr. Ajay Gholave scored a SGPA of 9.08
8. Mr. Chirag Hingad scored a SGPA of 9.08
9. Mr. Pawar Prashant Arjun scored a SGPA of 9.04
10. Mr. Kadam Akshay Sanjay scored a SGPA of 8.08



Highlights of Academic Excellence in SPPU Examination for Semester-II 2016-17

Toppers:

BE Toppers

9. Ms. Sayeed Nausheen Ayuyub scored 80.53 %
10. Ms. Shaikh Heena Afzal scored 80.06 %
11. Mr. Salunkhe Varun Ramesh scored 79.60 %

TE Toppers

7. Ms. Shinde Dhanashree scored 79.07 %
8. Mr. Yelavi Pravin Netaji scored 77.6 %
9. Mr. Ghodake Rahul Shivaji scored 76.8 %
10. Ms. Pagar Jagruti Babasaheb scored 75.47 %
11. Mr. Kolekar Dattatray Jayram scored 74.80 %

SE Toppers

1. Mr. Mayank Gadiya scored a SGPA of 8.82
2. Mr. Abhijith Injalkar scored a SGPA of 8.60
3. Mr. Kadam Akshay Sanjay scored a SGPA of 8.52
4. Mr. Pawar Prashant Arjun scored a SGPA of 8.50
5. Mr. Ajay Gholave scored a SGPA of 8.48

Research and Development

FDP Organized

Practical Exposure to HIT-OFFICE software

The AICTE & ISTE approved one week workshop on “Practical Exposure to HIT-OFFICE software” was organized by Department of Civil Engineering on 6th to 10th June 2017.

Ms. A. P. Kulkarni and the organizing committee team have successfully coordinated the event.

In rapidly growing construction industry, advance management tools are preferred for routine works and this program helps to achieve many aspect of industry. The focus of this workshop includes learning of ERP. Also to have hands on experience of the software used in construction Industry.

Hit office is a software package that has been especially designed for the construction sector. It takes care of all business-related tasks, with particular emphasis on quotation draw-up, project management and invoicing. First session was engaged by Mr. S. M. Paranjape whose experience is associated majorly with Development Control Regulations, preparation of Design Guidelines, Master Planning, Demographic Studies, and Feasibility Studies in Urban Planning. All documents and procedures during pre construction stage were thoroughly covered by the speaker. Mr. Manoj Sarode gave hands – on experience which allows you to generate your invoices by quotes, projects, a predefined payment schedule, or service interventions



Keynote speech by Mr. S. M. Paranjape



Faculties with module lead Mr. Manoj Sarode

FDP Attended

- **Ms. Amruta P Kulkarni** has attended the 1st National Teachers Congress from 23rd to 25th September 2016 at Pune
- **Ms. Amruta P Kulkarni** has attended a Faculty Development Programme on Structural Design & Drawings – III on 10th Sep 2016 at PVPIT, Bavdhan, Pune
- **Ms. Amruta P Kulkarni** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Mr. Bhushan Kalantre** has attended the 1st National Teachers Congress from 23rd to 25th September 2016 at Pune
- **Ms. Sneha Sawant** has attended a Faculty Development Programme on Research Methodologies in Project Management on 18th to 20th Oct 2016 in NICMAR, Pune
- **Mr. Rohit Deshmukh** has attended a Faculty Development Programme on Research Methodologies in Project Management on 18th to 20th Oct 2016 in NICMAR, Pune
- **Mr. Mithun Sawant** has attended a Faculty Development Programme on Research Methodologies in Project Management on 18th to 20th Oct 2016 in NICMAR, Pune
- **Ms. Vaishnavi Battul** has attended a Faculty Development Programme on Research Methodologies in Project Management on 18th to 20th Oct 2016 in NICMAR, Pune
- **Mr. Pravin Gorde** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Ms. Sneha Sawant** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Mr. Rohit Deshmukh** has attended a one week Faculty Development Programme on Theory and Performance of Analysis of Waste Water from 5th to 10th June 2017 at PCCOE Akurdi Pune
- **Mr. Rohit Shinde** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Mr. Shivkumar Hallale** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Mr. Mithun Sawant** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Mr. Sachin Nalawade** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Mr. Sainand Khot** has attended a one week Faculty Development Programme on Theory and Performance of Analysis of Waste Water from 5th to 10th June 2017 at PCCOE Akurdi Pune
- **Ms. Aavani P** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex
- **Ms. Trupti Kshirsagar** has attended a one week Faculty Development Programme on Theory and Performance of Analysis of Waste Water from 5th to 10th June 2017 at PCCOE Akurdi, Pune

- **Ms. Priyanka Jawale** has attended a one week Faculty Development Programme on Theory and Performance of Analysis of Waste Water from 5th to 10th June 2017 at PCCOE Akurdi, Pune
- **Ms. Vaishnavi Battul** has attended an one week Faculty Development Programme on Role of Mathematical Modelling and Statistical Analysis in Engineering on June 2017 at DYPIEMR, Akurdi
- **Ms. Vaishnavi Battul** has attended a one week Faculty Development Programme on Practical Exposure to HIT-OFFICE software from 6th to 10th June 2017 at Dr. D Y Patil Educational Complex

Workshop Attended

- **Ms. Amruta P Kulkarni** has attended a workshop on TE Civil Syllabus Revision(pattern 2015) on 18th Nov 2016 at Amrutvahini College of Engineering, Sangamner
- **Ms. Sneha Sawant** has attended a workshop on Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
- **Mr. Rohit Deshmukh** has attended a workshop Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Mr. Rohit Deshmukh** has attended a National Level Workshop on Accreditation Process for Technical Institutions on 15th & 16th 2016 in DYPSOE Lohegaon
- **Mr. Rohit Shinde** has attended a workshop Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Ms. Tejashree Gulve** has attended a workshop Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Mr. Ranjeet Sable** has attended a workshop Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Mr. Shivkumar Hallale** has attended a workshop Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Mr. Sachin Nalawade** has attended a workshop Advanced Techniques to Write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Mr. Sainand Khot** has attended IEEE Authorship Workshop on 4th November 2016 at COEP, Pune
- **Mr. Sainand Khot** has attended a two days workshop on "Dam Rehabilitation- Trends & Practices" on 13-14 October 2016 at CWPRS, Khadakwasla
- **Mr. Sainand Khot** has attended a one day workshop on Revision of TE Civil Engineering Syllabus-CBCS-2015 Pattern on 18th November 2016 at Amrutvahini College of Engineering, Sangamner
- **Ms. Aavani P** has attended a workshop Advanced Techniques to write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Ms. Vaishnavi Battul** has attended a workshop Advanced Techniques to write and Present Research Paper and Patent on 9th July 2016 at Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune.
- **Mr. Amol More** has attended a one day workshop on Application on Statistics in Research on 29th July, 2017 at Research & Development Cell of DYPCOE, Akurdi

- Department of Civil Engineering is associated with Builders Association of India for field training. Eight students of maiden batch and around 30 students of succeeding batch have undergone field training in association with the same.

Faculty publications in Journals

- **Mr. Mithun K Sawant** published paper on “Analysis of Thick Cantilever Beam Using New Hyperbolic Shear Deformation Theory” in International Journal of Research in Advent Technology (IJRAT) vol 4, pp -121-126, 2016 ISSN No. 2321-9637.
- **Mr. Mithun K Sawant** published paper on “Analysis of thick beam using new hyperbolic shear deformation theory” in International Journal of Research in Engineering and Technology (IJRET) vol 5, pp 33-37, 2016 ISSN No. 2319-1163
- **Mr. Mithun K Sawant** published paper on “Black Cotton Soil Stabilization Using Bagasse Ash and Lime” in International Journal of Civil Engineering & Technology (IJCET), vol 7, pp 460-471, ISSN No. 0976-6308
- **Mr. Mithun K Sawant** published paper on “A Review on Adaptive Traffic Controls System” in International Journal of Latest Engineering and Management Research (IJLEMR), vol 2, pp 55-57, ISSN No. 2855-4847
- **Mr. Mithun K Sawant** published paper on “Experimental Study using Earthquake Shake Table” in International Research Journal of Engineering and Technology (IRJET), vol 12, pp 3612-3617, ISSN No. 2395-0056
- **Mr. Mithun K Sawant** published paper on “Application of Green Building Rating System on Partial Restored Structure using Green Building Aspect” in Imperial Journal of Interdisciplinary Research (IJIR), vol 2, pp 1241-1248, ISSN No. 2454-1362
- **Mr. Mithun K Sawant** published paper on “Transverse shear deformation for Deep Beams Using New Hyperbolic Shear Deformation Theory” in Imperial Journal of Interdisciplinary Research (IJIR), vol 2, pp 572-576, ISSN No. 2454-1362
- **Mr. Mithun K Sawant** published paper on “Study on Pervious Concrete” in International Journal of Research in Advent Technology (IJRAT), vol 4, pp 131-134, ISSN No. 2321-9637
- **Mr. Mithun K Sawant** published paper on “Experimental Study on Ground Granulated Blast Furnace Slag in Concrete” in Imperial Journal of Interdisciplinary Research (IJIR), vol 2, pp 430-433, ISSN No. 2454-1362
- **Mr. Mithun K Sawant** published paper on “Effects of Use of Titanium Dioxide in Pervious Concrete” in Imperial Journal of Interdisciplinary Research (IJIR), vol 2, 2016, pp 425-429, ISSN No. 2454-1362
- **Mr. Mithun K Sawant** published paper on “Pervious Concrete with Cupola Slag” in International Journal of Research in Advent Technology (IJRAT), vol 4, 2017, pp 22-25, ISSN No. 2321-9637
- **Mr. Mithun K Sawant** published paper on “Pervious Concrete with Glass Fiber” in International Journal of Research in Advent Technology (IJRAT), vol 4, 2017, pp 26-29, ISSN No. 2321-9637
- **Mr. Mithun K Sawant** published paper on “Use of Steel slag in Bituminous Road Construction” in International Research Journal of Engineering and Technology (IRJET), vol 4, 2017, pp 2096-97, ISSN No. 2395-0056

- **Mr. Mithun K Sawant** published paper on “Use of Steel slag in Bituminous Road Construction” in International Research Journal of Engineering and Technology (IRJET)),vol 4,2017, pp 2096-97, ISSN No. 2395-0056
- **Mr. Rohit S Deshmukh** published paper on “Analysis of Thick Cantilever Beam Using New Hyperbolic Shear Deformation Theory” in International Journal of Research in Advent Technology (IJRAT) vol 4, pp -121-126,2016 ISSN No. 2321-9637.
- **Mr. Shivkumar Hallale** published paper on “Coir fiber used in Paving Block” in International Journal of Advance Research and Innovative Ideas in Education, Vol-3, ISSN No. 2395-4396
- **Mr. Pravin Gorde** published paper on “Building Information Modeling in Construction Sector” in Imperial Journal of Interdisciplinary Research (IJIR),vol 3, pp 1299 – 1301, ISSN.No. 2454-1362
- **Mr. Pravin Gorde** published paper on “Improvising Construction Crew Productivity On Construction Site By Lean Method” in International Journal Of Advance Research And Innovative Ideas In Education, Vol-3 Issue-3, pp 1272 - 1277, ISSN No. 2395-4396
- **Mr. Pravin Gorde** published paper on “Performance And Evaluation Of Bacterial Concrete” in IJSRD - International Journal for Scientific Research & Development, Vol-3, pp 193 - 196, ISSN No. 2321-0613
- **Mr. Pravin Gorde** published paper on “Performance and Evaluation Of Rubber As Concrete Material” in International Research Journal of Engineering & Technology, Vol-4, Issue 5 May 2017, pp 554 – 560, ISSN No. 2395 - 0056
- **Mr. Pravin Gorde** published paper on “Performance And Evaluation Of Bacterial Concrete” in IJSRD - International Research Journal of Engineering and Technology (IRJET), Vol-3, pp 554-560, ISSN No. 2395 -0056
- **Mr. Pravin Gorde** published paper on “Smart City - A Circle of Life” in International Journal of Research in Civil Engineering, Architecture & Design Vol-5, pp 36-40, ISSN No. 2347-2855
- **Ms. Sneha Sawant** published paper on “Elimination of Wastage using 5”s Tools in Construction” in International Journal Of Advance Research And Innovative Ideas In Education, Vol-3 Issue-2, pp 3546 – 3551, ISSN No. 2395-4396
- **Ms. Sneha Sawant** published paper on “Performance And Evaluation Of Bacterial Concrete” in IJSRD - International Journal for Scientific Research & Development, Vol-3, pp 193 - 196, ISSN No. 2321-0613
- **Ms. Sneha Sawant** published paper on “Improvising Construction Crew Productivity On Construction Site By Lean Method” in International Journal Of Advance Research And Innovative Ideas In Education, Vol-3 Issue-3, pp 1272 - 1277, ISSN No. 2395-4396
- **Ms. Sneha Sawant** published paper on “A Review on Adaptive Traffic Controls System” in International Journal of Latest Engineering and Management Research (IJLEMR), vol 2, pp 55-57, ISSN No. 2855-4847
- **Ms. Sneha Sawant** published paper on “Review On Different Curing Methods” in International Journal Of Advance Research And Innovative Ideas In Education, Vol-3 Issue-2, pp 5932 - 5940, ISSN No. 2395-4396
- **Ms. Sneha Sawant** published paper on “Review On 5's Tools For Lean Construction” in International Journal Of Advance Research And Innovative Ideas In Education, Vol-3 Issue-2, pp 3540 -3545, ISSN No. 2395-4396
- **Ms. Sneha Sawant** published paper on “Experimental Study on Ground Granulated Blast Furnace Slag in Concrete” in Imperial Journal of Interdisciplinary Research (IJIR), Vol-3, pp 430 - 433, ISSN No. 2454-1362
- **Ms. Sneha Sawant** published paper on “Building Information Modelling in Construction Sector” in Imperial Journal of Interdisciplinary Research (IJIR), Vol-3 Issue 5, pp 3, ISSN No. 2454-1362
- **Mr. Ranjeet Sabale** published paper on “Waterless portable composite toilet” in International Journal for Research

in Applied Science & Engineering Technology, Vol-5, Issue 5, pp 1340-1343, ISSN No. 2321-9653

- **Mr. Ranjeet Sabale** published paper on “Technical note- Study of Evapotranspiration For Pune District” in International Journal for research in applied science& Engineering Technology (IJRASET), Vol-5, Issue , pp 1344-1349, ISSN No. 2321-9653
- **Mr. Ranjeet Sabale** published paper on “Comparative study of irrigation technique and yield for turmeric crop: A case study of Satara city” in International Journal for research in applied science& Engineering Technology (IJRASET), Vol-4, Issue 11, Issue , pp 226-233, ISSN No. 2321-9653
- **Ms.Vaishnavi Battul** published paper on “Black Cotton Soil Stabilization Using Bagasse Ash and Lime” in International Journal of Civil Engineering & Technology (IJCET), vol 7, pp 460-471, ISSN No. 0976-6308
- **Ms.Amruta P Kulkarni** published paper on “Black Cotton Soil Stabilization Using Bagasse Ash and Lime” in International Journal of Civil Engineering & Technology (IJCET), vol 7, pp 460-471, ISSN No. 0976-6308
- **Ms.Amruta P Kulkarni** published paper on “Experimental Study using Earthquake Shake Table” in International Research Journal of Engineering and Technology (IRJET), vol 12, pp3612-3617, ISSN No. 2395-0056
- **Ms. Aavani P** published paper on “A Review on Adaptive Traffic Controls System” in International Journal of Latest Engineering and Management Research (IJLEMR), vol 2, pp 55-57, ISSN No. 2855-4847
- **Ms.Aavani P** published paper on “Black Cotton Soil Stabilization Using Bagasse Ash and Lime” in International Journal of Civil Engineering & Technology (IJCET), vol 7, pp 460-471, ISSN No. 0976-6308
- **Ms. Aavani P** published paper on “Congestion Modelling in Urban Corridors” in International Research Journal of Engineering & Technology, Vol-4, Issue 5 May 2017, ISSN No. 2395 - 0056
- **Mr. Sachin Nalawade** published paper on “Building Information Modelling a perspective and cost effectiveness” in Imperial Journal of Interdisciplinary Research (IJIR) , pp 127, 978-0-9972393-5-5
- **Mr. Sachin Nalawade** published paper on “A Review of GRIHA Certification with Real Life Project” in International Research Journal of Engineering and Technology (IRJET) ,vol 4 Issue 5, pp 427, ISSN No. 2395 - 0056
- **Mr. Sachin Nalawade** published paper on “Building Information Modelling in Construction Sector” in Imperial Journal of Interdisciplinary Research (IJIR) vol 3 Issue 5, pp 3 , ISSN No. 2454-1362

Faculty Presentations in Conferences

- **Mr. Mayur Shinde** has published paper on “Effect of Methane Emission in River Systems due to Waste- Disposal” in World's Large Rivers Conference 2017 at Delhi
- **Mr. Mayur Shinde** has published paper on “Development of the Prototype Design and Installation of space filler on Train rakes and platforms for Indian railway” India International Science Festival (IISF) - Young Scientists' Conclave (YSC) Dec- 2016
- **Mr. Ranjeet Sabale** has published paper on “Development of the Prototype Design and Installation of space filler on Train rakes and platforms for Indian railway” India International Science Festival (IISF) - Young Scientists' Conclave (YSC) Dec- 2016

PhD Registration:

- **Mr. Mayur Shinde** has registered for Ph. D in Geochemistry at the research centre “NIH, HRRC, Belgaum”, in the area of VTU Belgaum, Karnataka

Faculties Remarkable Achievements

- **Mr. Ranjeet Sabale & Mr. Mayur Shinde** has published a research article in India International Science Festival in 2016 at Delhi, organised by Ministry of Science, Gov. of India

Faculties Intercollegiate Activities

- **Mr. Mithun Sawant** delivered a guest lecture) on “Earthquake Resistance Building” on 26th February 2017 at Dr. D Y Patil College of Architecture, Akurdi, Pune



Mr. Mithun K Sawant Delivering Guest Lecture

Training and Placement

T & P Activities

Department of Civil Engineering provides students with wide platform of opportunities for placements. Soft skills and technical skills are pooled hands on hand to evolve students with better competitive competencies. Irrespective of the current unpleasing market scenario, our nine students of A.Y. 2016-17 had placed in core civil engineering companies through campus placements and many more through off – campus drives.

Placement details

Sl.No.	Name Of Student	Company Placed
1	Ashok Santosh Temgire	Shinde Developers
2	Kalyani Gulabrao Ahirrao	Constrologix
3	Kiran Baburao Chavan	Shinde Developers
4	Mohit Shamsundar Bang	BYJU'S
5	Madhuri Zhumbarlal Khairnar	Atharva Fitch
6	Shital Shahaji Wavage	Atharva Fitch
7	Akshay Rajendra Shirsa	BIM Group
8	Snehal Dadabhau Auti	Constrologix
9	Shivam Pratap Narendra Singh	Shinde Developers

Industrial visits /Tours

Visit 1

Industrial Visit to Aditya Vivaaz Construction, Near PCCOE&R Ravet Pune for SE students was arranged on 22nd July 2017 for the subject of Building Technology & Materials. Students were accompanied by Mr. Rohit Deshmukh & Ms. Sneha Sawant.

- Students got hands on experience on building materials
- Students got to know the challenges of material management
- Students understand the practical application of the subject



Visit 2

Industrial Visit to Bhondve Heights, Near PCCOE&R Ravet Pune for SE students was arranged on 22nd July 2017 for the subject of Building Technology & Materials. Students were accompanied by Mr. Rohit Deshmukh & Ms. Sneha Sawant.

- Students got hands on experience on building materials
- Students got to know the challenges of material management
- Students understand the practical application of the subject



Building construction site visit



Industrial Visit to Bhondve Heights

Visit 3

Industrial Visit to B G Shrike RMC Plant, Shindevasti, Ravet, Pune for SE students was arranged on 25th March 2017 for the subject of Concrete Technology. Students were accompanied by Mr. Shivkumar Hallale, Mrs. Prachiti Janarao, and Mrs. Sneha Sawant, Mr. Sainand Khot

- Students got to know the challenges of material management
- Students understand the practical application of the subject
- Students got to know the working principles of RMC Plants
- Students get exposed to the risks & ethics of engineering field.



RMC Plant site visit

Visit 5

Industrial Visit to Shri Sant Tukaram Sahakari Sakhar Karkhana for BE students was arranged on 16th March 2016 for the subject of Air Pollution & Control. Students were accompanied by Mr. Kalantre Bhushan & Mr. Sachin Nalawade.

- Students got to know the working principles of Pollution Control Plant
- Students got to know the challenges of Environmental Engineering
- Students understand the practical application of the subject
- Students get exposed to the ethics and social values of the concerned subject.

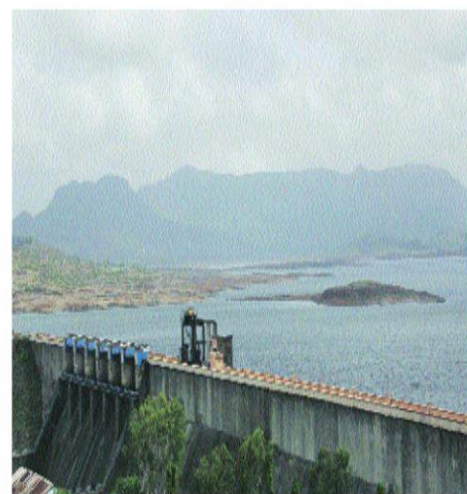


Industrial Visit to Shri Sant Tukaram Sahakari Sakhar Karkhana

Visit 6

Industrial Visit to Pawna Dam for BE students was arranged on 4th April 2016 for the subject of Dams & Hydraulic Structures. Students were accompanied by Ms. Amruta P Kulkarni & Mr. Kalantre Bhushan.

- Students visualised the construction details of Dam structures
- Students got to know the challenges of Site Selection, Failure conditions etc
- Students understand the practical application of the subject
- Students get exposed to the risk in hydraulic structure construction & Maintenance.



Industrial Visit to Pawna Dam

Visit 7

Industrial Visit to Royal Vision by Nirman Group for TE students was arranged on 4th March 2016 for the subject of Structural Design - II. Students were accompanied by Ms. Aditi Vibhute, Ms. Tejashri Gulve, Mr. Sachin Nalawade & Mr. Ranjeet Sabale

- Students visualised the construction details of Structural Design
- Students got to know the challenges of Site & Failure conditions etc
- Students understand the practical application of the subject
- Students get exposed to the risk & Ethics in civil Engineering
- Students got to know the detailing of bars in Beams, Slabs & Columns



Industrial Visit to Royal Vision by Nirman Group

Visit 8

Industrial Visit to 428 MLD Water Treatment Plant for TE students was arranged on 8th - 11th March 2016 for the subject of Environmental Engineering - I. Students were accompanied by Mr. Bhushan Kalantre & Mr. Ranjeet Sabale

- Students visualised the construction details of Water Treatment Plant
- Students understand the practical application of the subject
- Students get exposed to the risk & Ethics in civil Engineering
- Students got to know the engineering benefits to the society



Industrial Visit to 428 MLD Water Treatment Plant

Visit 9

Industrial Visit to Durocrete engineering Pvt. Ltd. for SE students was arranged on 10th March 2016 for the subject of Strength of Materials. Students were accompanied by Mr. Shivkumar Hallale, Mr. Mayur shinde & Mr. Vikas Nimbalkar

- Students got hands on experience on building materials
- Students got to know the challenges of material management
- Students understand the practical application of the subject
- Students understand the testing methods on building materials on site.



Industrial Visit to Durocrete engineering Pvt. Ltd.

Visit 10

Industrial Visit to Mangalmurti Construction Company RMC Plant, Rajgurunagar, Khed, Maharastra for BE students was arranged on 3rd September 2016 for the subject of Advanced Concrete Technology, SD – III & Transportation Engineering. Students were accompanied by Mr. Shivkumar Hallale, Mrs.Prachiti Janarao and Ms. Aavani P

- Students got to know the working principles of Hot Mix Asphalt Plant
- Students got to know the challenges of material management
- Students understand the practical application of the subject
- Students got to know the working principles of RMC Plants
- Students get exposed to the risks & ethics of engineering field.



Felicitating Mr. Takalkar at Hot Mix Asphalt Plant, Mangalmurti Construction Company, Rajgurunagar, Khed, Maharashtra

Student Development and Welfare

Students Association – CESA

Civil Engineering Students Association (CESA) was established in July 2017. The core committee includes students from final year civil engineering students guided by Mr. Rohit Shinde and Ms. Trupti Kshirsagar.

The governing committee comprises of

President	: Mr. Shashank Waghere
Vice – President	: Ms. Dhanashree Shinde
Secretary	: Mr. Shreyas Patil
Treasurer	: Ms. Sonali Khairnar

CESA organized various programs under it like Poster Presentation for SE students on 18th September 2017. It Encouraged students to learn practically and to understand the basic concepts of their subjects easily.



Poster Presentation under students organisation CESA

Student Chapter

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Department of civil engineering has student's chapter of ISTE with 151 active members of the department. The student co – ordinate members are listed below:

Sr.no	Roll No	ISTE NO	Name of Student	Div	Email
1	TCI16123	26	Himanshu Ramani	A	himanshuramani97@gmail.com
2	TCI16129	33	Siddarth Bhatt	A	sidarthbhat231@gmail.com
3	TCI16214	92	Shubham More	B	shubham970629@gmail.com

Guest Lectures (for Students)

- The guest lecture by Mr. Dhananjay Awate, for SE Civil students on “Construction Techniques” on Friday, 16th September 2016 from 2pm to 4 pm at DYPIEMR
- The guest lecture by Prof.S R Parekar for TE Civil on “ Structural Analysis II” Saturday, 24th September 2016 from 9.30 am to 12 pm at DYPIEMR
- The guest lecture by Prof. Anand Tapase on “Transportation Engineering” For BE Civil students on Tuesday, 20th September 2016 from 2pm to 4 pm at DYPIEMR

Seminars (for Students)

- The seminar on “Awareness to Civil Engineering Practices” was organized by Department of Civil Engineering on 9th September 2017.
- Expert was **Mr. Awate Dhananjay** (ME Construction Management), Assistant Manager, Panchshil reality's A2Z Online Services Pvt. Ltd, Balewadi Pune, Email id : dhananjayawate900@gmail.com
- Points Highlighted by Guest:
 - Importance of all Civil Engineering sub-braches
 - How the execution of building is happen on site
 - How to implement the knowledge on actual site
 - Important subjects and part of subjects required for actual execution of building
- The outcome of the event was that, being in SE, Students get to know about the current market trends and practical application of knowledge on actual site. Students got a wide opportunity to clear their doubts regarding the same.



Session by Mr. Awate Dhananjay on " Awareness to Civil Engineering Practices"

Workshops (for students)

1. Application and use of STAAD. Pro for R.C.C. Structure

- The workshop titled “Application and use of STAAD. Pro for R.C.C. Structure” was organized by Department of Civil Engineering on 2nd February 2017 to 6th February 2017.
- The Organizing & Resource Team includes Ms. Amruta P. Kulkarni, HOD, Department of Civil Engineering, Mr. Mithun K Sawant (Convener), Mrs. Sneha P Sawant, Mr. Mahesh S. Shindepatil, Mr. Bhushan R. Kalantre, Ms. Vaishnavi Battul, Mr. Rohit Shinde & Mr. Shivkumar Hallale.
- The key objective of this Workshop was to help the students’ develop a strong self -esteem among them, which would involve, functioning independently, without need for constant reassurances from others; reasonable risk-taking; demonstration of personal control; self motivation; feelings of usefulness; development and confirmation of identity; confidence, ethics, and integrity; realistic self-appraisal and self-understanding with competent technical knowledge, team work and healthy competition
- After Completion of the workshop students were able to:
 - [1]. Create the geometry using different methods.
 - [2]. Use more advanced technique in creating geometry
 - [3]. Define the Cross-Sections of Beams, Columns, and Plates
 - [4]. Define the Constants, Specifications, and Supports.
 - [5]. Define the Load Systems and load combination.
 - [6]. Review the Analysis Results
 - [7]. Perform Concrete Design



Inauguration function of workshop



Session by Ms. A.P. Kulkarni

2. Application and use of Auto CAD

- The workshop titled “Application and use of Auto CAD” was organized by Department of Civil Engineering on 23rd March 2017 to 26th March 2017.
- The Organizing & Resource Team includes Ms. Amruta P. Kulkarni, HOD, Department of Civil Engineering, Mrs. Sneha P Sawant, Ms. Prachity Janrao, Ms. Poonam Kotulkar and students of SE Civil Engineering. The first session

was conducted by Mr. Rajesh Pore addressed the first session on Introduction to AutoCAD Software and its uses in Civil Engineering.

- The key objective of this Workshop was to help the students' develop a strong self -esteem among them, which would involve, functioning independently, without need for constant reassurances from others; reasonable risk-taking; demonstration of personal control; self motivation; feelings of usefulness; development and confirmation of identity; confidence, ethics, and integrity; realistic self-appraisal and self-understanding with competent technical knowledge, team work and healthy competition
- After Completion of the workshop students were able to:
 - [1]. Create the geometry using different methods.
 - [2]. Use more advanced technique in creating geometry
 - [3]. Draw plan, Elevation & Cross section of Structures
 - [4]. Define the Cross-Sections of Various Buildings.
 - [6]. Review the Analysis Results

Technical Events

Reinforce 2K17

Date : 17th & 18th of January, 2017

These events provide comprehensive counselling and referral services to help students achieve their educational goals, strengthen their problem-solving skills, develop healthy relationships, and reach their optimum potential for continuous growth. To endorse the development of such multicultural sensitivity, awareness, knowledge, and competence of the students, it was decided to organize Survey Master Competition, Paper Presentation and Card castle Competition. These competitions were organized with an overall view of enhancing the personal and professional skills of the students' and also to maximize the opportunity for the development of their personal, social, intellectual and technical qualities.

The objectives of the event are as follows,

- To prepare students' for life-long learning.
- To help students in enhancing their technical skills with proper applications and minute basics.
- To develop a strong self- esteem among students which would involve, functioning without need for constant reassurances from others; reasonable risk-taking; demonstration of personal control; self-motivation; feelings of usefulness; development and confirmation of identity; confidence, ethics, and integrity; realistic self-appraisal and self-understanding
- To instill students to understand importance of team work to achieve best results within given time limits.
- To enhance communication skills, critical thinking ability and knowledge of current affairs with different stands of the students.
- To give all the students a break from their routine and also an opportunity to mingle with each other and make friends breaking the dividing walls of divisions under the same institute.

The outcome of the event is

- Over 400 students from 25 colleges across Pune participated in REINFORCE 2K17.
- Collected Rs.14000 + from entry fees.
- Eighteen thousand rupees prize money
- Judges for all the events from other colleges.
- Refreshment provided to all participants and volunteers.
- All Judges were given a memento.
- Successful Campaigning and Sponsorship by Team Reinforce in two weeks.
- Active participation and volunteering by Third year as well as Second year students.

Table: List of winners under each category

Category	Position	Name of Students
Survey Master	First	Mangesh Kumawat Aditya Shinde Shubham Shukla
	Second	Shubham Bhoi Sumit Gurav Vinayak Desai
	Third	Uddhav Ahire Varun Salunkhe Sanket Gunjal
Paper Presentation	First	Rounak Gandhi Ganeshprasad Shridharan (PCCOE, Akurdi)
	Second	Abhishek More Yash Jagtap
	Third	Mrunal Tamhane
Card Castle	First	Rajashri Koli Dipali Banldgar Hemangi khedari
	Second	Nishikant Deshmukh Hrishikesh Bhalerao Harshal Chaudhary
	Third	Aniket Bhondave Mohini Tandale Shraddha Biradar Supriya Mehtre



Student Achievements

- Sanket Gunjal published paper titled “Sustainably planned smart city” in International journal of Engineering and Technology on November 2016.
- Pavan Undre published paper titled “Sustainably planned smart city” in International journal of Engineering and Technology on November 2016.
- Aditya Jadav from Civil Engineering Department has completed NSS camp of one week.
- Aadesh Nimbalkar, a student of Civil Engineering final year, won the First Prize in Cube Dynamic event conducted by Constroct 16.
- Mahotsavi Patil, a student of Civil Engineering final year, won the First Prize in Concrete event held under Nirmaan 2017
- Susmit Pedapalliwar, a student of Civil Engineering Third Year has successfully completed the courses on Microsoft Project, AutoCAD 2D, Revit Architecture and STADD PRO at CADD Centre Training Centre, Pune, Bibvewadi.

Student Publications

- **Mr. Mahesh Phophale et.al** published paper on “Waterless portable composite toilet” in International Journal for Research in Applied Science & Engineering Technology, Vol-5, Issue 5, pp 1340-1343, ISSN No. 2321-9653
- **Mr. Shah Tathagat, Ms. Aachal et.al** published paper on “Congestion Modelling in Urban Corridors” in International Research Journal of Engineering & Technology, Vol-4, Issue 5 May 2017, ISSN No. 2395 – 0056
- **Smart City - A Circle of Life International Journal of Research in Civil Engineering, Architecture & Design** Vol-4, Issue 5 May 2017, ISSN No. 2395 – 0056

Social Concern/ activities

Department of Civil Engineering celebrates birthday of adopted children of Nachiket Bal Ashram, Akurdi, and Pune. Faculties along with More than 30 students of civil engineering department used to participate in this social program.



Interaction of faculty and students with children at Nachiket Balashram

Department of Chemical Engineering

Dr. Utkarsh Maheshwari

Head of the Department

About Department

Chemical Engineering is the branch of engineering that applies the physical sciences (e.g., chemistry and physics) and /or life sciences (e.g., biology, microbiology and biogeochemistry) together with mathematics and economics to processes that convert raw materials or chemicals into more useful or valuable forms. The main task of 'Chemical Engineers' is to develop economic ways of using materials and energy. A chemical engineer applies the skills of chemistry and engineering to fundamental problems in not just chemical, petrochemical, biochemical and materials processing industries, but also, pharmaceuticals, medical devices and drug delivery systems and many more. Today, the field of chemical engineering is a diverse one, covering areas from biotechnology and nanotechnology to mineral processing. A chemical engineer may be involved in industry or university research where they are tasked in designing and performing experiments to create new and better ways of production, controlling pollution, conserving resources and making these processes safer. They may be involved in designing and constructing plants as a project engineer. In this field, the chemical engineer uses their knowledge in selecting plant equipment and the optimum method of production to minimize costs and increase profitability. After its construction, they may help in upgrading its equipment. They may also be involved in its daily operations.

Vision

The vision of the department is to be a nationally recognized graduate chemical engineering program coupled with research strengths in process safety, process systems engineering, applied thermodynamics, polymers, mineral processing, and biochemical engineering.

Mission

- We provide a high-quality education experience that will prepare graduates to assume leadership positions within chemical and other associated industries.
- We foster and encourage the pursuit of new knowledge and innovative scholarship in chemical sciences and engineering.
- We teach in modern classrooms and carry out research in state-of-the-art laboratory facilities.
- We provide leadership to the chemical engineering profession through scholarship, teaching, and service.

PEO's


- PEO 1 : Graduates follow career in chemical & allied engineering
- PEO 2 : Graduates work in diversified team
- PEO 3 : Graduates will trail for higher education & research

PO's

- PO 1 : An ability to identify, formulate, and solve engineering problems.
- PO 2 : An ability to apply knowledge of mathematics and science, chemical sciences in particular, in chemical engineering.
- PO 3 : An ability to use the techniques, skills, and modern engineering tools necessary for chemical engineering practice.
- PO 4 : An ability to design a system, or process, component to meet the desired needs.
- PO 5 : An ability to design and conduct experiments, as well as to analyze and interpret data.
- PO 6 : An ability to communicate effectively via:
- i. Oral communication
 - ii. Written communication
- PO 7 : An understanding of professional and ethical responsibility.
- PO 8 : An ability to function in multidisciplinary teams.
- PO 9 : The broad education necessary to understand the impact of engineering solutions in a global and societal context.
- PO 10 : Recognition of the need, and an ability to engage in lifelong learning.
- PO 11 : Knowledge of contemporary issues.

PSO's

- PSO-1 : Graduates will apply knowledge of Chemical Engineering in the field of transfer processes for effective separation and purification of petrochemicals, pharmaceuticals and health care products
- PSO-2 : Graduates will automate and control processes by applying mathematics, process control, instrumentation, simulation and process modelling.
- PSO-3 : Graduates will design equipment for modern technological applications



Best Practices of department

- **Teacher-Guardian System**

For every 20 students one faculty has been allocated to take the responsibility of personal and academic aspects. Department dispatches the letters to the parents regarding their attendance and unit test performance of their wards every month. Faculties personally contact parents for the same. TG meetings are conducted every month in which the discussion on attendance, unit test performance, etc.

- **Internal & External feedback**

The department is very particular in executing the academic performance. Regular internal & external feedback of the students for all subjects is taken which helps in understanding the difficulty of the students. Remedial lectures and question paper solution will be given from the faculty for the same.

- **Laboratory Visit for Theoretical Subjects to Renowned Institutions**

The department takes keen interest to visit the laboratories in the campus and outside like NCL for the theoretical subjects like Process Instrumentation and Control and Environmental Engineering, etc. where students learn and have hands on feel experience on HPLC, GC, LVDT etc.

- **Technical Brush Up Session**

The department conducts technical brush up session in the subjects like Fluid Mechanics, Heat Transfer, Mass Transfer, Chemical Reaction Engineering, Thermodynamics, Design, Process Control and Dynamics, Simulation where the thorough knowledge of these subjects are required for each leading Chemical Process Industries. It also followed by tests which boost the confidence level in the students.

Academic Excellence AY 2016-17

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	25.67	36.06
2	TE	32.81	90.63
3	BE	37.09	92.06

Highlights of Academic Excellence in SPPU Examination for Semester-I 2016-17

Toppers:

BE Toppers

17. Mr. Prabhudesai Vallabh scored 78.27%
18. Ms. Kanchan Dipika scored 77.16 %
19. Ms. Rajput Sharayu scored 76.40 %
20. Ms. Amruta Nair scored 75.6%
21. Shetty Savita scored 70.8%

TE Toppers

6. Ms. Sapna Mohite scored 77.33 %
7. Mr. Prashant Bhos scored 74.53 %
8. Ms. Sayali Ramteke scored 72.0%
9. Mr. TanayKumthekar scored 71.86%
10. Mr. SharukhBegade scored 71.33%

SE Toppers

11. Mr. ParvezChaudharyscored SGPA 9.52
12. Mr. Rahul Vishwas Patil scored SGPA 8.72
13. Mr. ChaitanyaBorkarscored SGPA 8.52
14. Mr. KishorGhogle&Mr.SohamGurav scored SGPA 8.36
15. Ms. Pooja Vishwakarma scored SGPA 8.24

Highlights of Academic Excellence in SPPU Examination for Semester-II 2016-17

Toppers:

BE Toppers

12. Ms. Sharayu Rajput scored 81.53 %
13. Mr. Vallabh Prabhudesai scored 81.4%
14. Ms. Amruta Nair scored 78.86%
15. Ms. Dipika Kanchan 78.27%
16. Mr. Rajat Bahade 78.2%

TE Toppers

12. Ms. Sapna Mohite & Ms. Sayali Ramteke scored 78.0 %
13. Mr. Prashant Bhos scored 75.33%
14. Mr. TanayKumthekar scored 74.07%
15. Mr. SharukhBegade scored 72.0%
16. Mr. Laxman Davanipurge scored 70.87%

SE Toppers

9. Mr. ParvezChaudhary scored SGPA 9.36
10. Mr. Vinit Ponkshe scored SGPA 8.86
11. Mr. Rahul Patil scored SGPA 8.62
12. Mr. AkashDhumal&Mr.PandurangDigaskar scored SGPA 8.34
13. Ms. MayuriKarad scored SGPA 8.28

Research and Development

FDP Organized

- The “**Utilization of Computer Techniques for Chemical Engineering**” was organized by Department of Chemical Engineering from **6th June 2017 to 10th June 2017**.
- An engineer working on a mathematical project is typically not interested in sophisticated theoretical treatments, but rather in the solution of a model and the physical insight that the solution can give. A recent and important tool in regard to this objective is mathematical software-pre-programmed, reliable computer subroutines for solving mathematical problems. To utilize software effectively, one must be aware of its capabilities and especially its limitations. In view of the said objectives in mind this FDP was proposed.
- Prof. Sonali Singh and Prof. Shweta Kumbhar successfully coordinated the event.
- The event was organized with an objective of this FDP was to make the faculties understand that the common mathematical tools can be used effectively for simulating and optimizing chemical engineering processes.
- The outcome of the event was that the faculties participated were aware about the various softwares which can be easily utilized for the computational activities at Chemical Engineering front such as Excel, Origin, Aspen, etc.



Inaugural function of FDP



**Inaugural talk by Dr. B.D.Kulkarni, Ex-Dy.
Director, NCL, Pune**

FDP Attended

- **Dr. Utkarsh Maheshwari attended** a QIP, “First Course on Computational Fluid Dynamics” from **29/05/2017 to 02/06/2017** at **Indian Institute of Technology, Bombay.**
- **Dr. Utkarsh Maheshwari attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/2017-10/06/2017** at **DYPIEMR, Pune.**
- **Prof. D.P.Deshpande attended** “Application of Heat Transfer and Fluid Mechanics” from **15/04/2017 to 29/04/2017** at **JDIET, Yavatmal.**
- **Prof. D.P.Deshpande attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/17-10/06/17** at **DYPIEMR, Pune.**
- **Prof.Kirti Bhushan Zare attended** Faculty Development Programme on “Research Methodologies in Project Management” from **18/10/2016 to 20/10/2016** at **NICMAR, Pune.**
- **Prof.Kirti Bhushan Zare attended** “Theory and Performance of Analysis of Wastewater” from **5/6/2017 to 10/6/2017** at **PCCOE, Pune.**
- **Prof. Kirti Zare attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/17-10/06/17** at **DYPIEMR, Pune.**
- **Prof. Sonali Singh attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/17-10/06/17** at **DYPIEMR, Pune.**
- **Prof. Priti Phalak attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/17-10/06/17** at **DYPIEMR, Pune.**
- **Prof. Priti Phalak attended** “Role of Mathematical Modelling and Statistical Analysis in Engineering” from **20/06/2017- 24/06/2017** at **Pune.**
- **Prof Pankaj Vardhe attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/17-10/06/17** at **DYPIEMR, Pune.**

- **Prof. Shweta Kumbhar attended** “Utilisation of Computer Techniques for Chemical Engineering” from **06/06/17-10/06/17** at **DYPIEMR, Pune.**

Workshop Attended

- **Prof. D.P.Deshpande attended** “Rubrics for Teaching and Learning” on **31/05/2016** at **DYPCOE, Pune.**
- **Prof. D.P.Deshpande attended** “Advanced Techniques to Write and Present Research Paper and Patent” on **09/07/2016** at **DYPIEMR, Pune.**
- **Prof. Kirti Bhushan Zare attended** “Computational Fluid Dynamics” from **06/12/2016 to 10/12/2016** at **DYPIEMR, Pune.**
- **Prof. Kirti Bhushan Zare attended** “Rubrics for Teaching & Learning” from **21/10/2016 to 22/10/2016** at **DYPCOE, Pune.**
- **Prof. Kirti Bhushan Zare attended** “Advances in Chemical Reactor Design” from **04/05/2017 to 05/05/2017** at **AISSMS, Pune.**
- **Prof. Kirti Bhushan Zare attended** “Advanced Techniques to Write & Present Research Paper & Patent” on **09/07/2016** at **DYPIEMR, Pune.**
- **Prof. Sonali Singh attended** “Rubrics for Teaching and Learning” on **31/05/2016** at **DYPCOE, Pune.**
- **Prof. Sonali Singh attended** “Advanced Techniques to Write and Present Research Paper and Patent” on **09/07/2016** at **DYPIEMR, Pune.**

Patents filed by faculty

- **Dr. Utkarsh Maheshwari, Mrs. Kirti Bhushan Zare, Mr. D.P.Deshpande, Mr. Pankaj Vardhe** has filed a patent titled “Spiral Finned Crystallizer for Progressive Freeze Concentration” on **29th June 2017.** (Application No. 201721022784 A).
- **Dr. Utkarsh Maheshwari, Mrs. Priti Phalak, Mrs. Sonali Singh, Ms. Shweta Kumbhar** has filed a patent titled “Production of Wine from Grapes and Brown Rice” on **29th June 2017.** (Application No. 201721022793 A).
- **Mrs. Kirti Bhushan Zare and Mr. Pankaj Vardhe** has filed a patent titled “Water Purifier” on **12/9/2016** (Application No. 33464/MUM/2016).

Faculty publications in Journals

- **Mrs. Kirti Bhushan Zare, Dr. Utkarsh Maheshwari, Mr. D.P. Deshpande and Mr. Pankaj Vardhe** published a paper on “Heat and Mass Transfer in Food Engineering” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 6(7), Page no. 12620-12624, July 2017, e-ISSN: 2319-8753

- **Mrs. Priti Phalak, Dr. Utkarsh Maheshwari, Mrs. Sonali Singh and Ms. Shweta Kumbhar** published a paper on “Study of Membrane Transport for Protein Filtration Using Artificial Neural Networks” in International Journal of Engineering Research and Development, Volume 13(6), Page no. 40-49, June 2017, e-ISSN: 2278-067X
- **Mr.D.P.Deshpande**, published paper on “Optimization of Reaction Parameter in an OBR” in International Journal of Engineering Research and Technology, Volume 10, Number 1 (2017), Page no. 259-262, Nov. 2017,ISSN 0974-3154
- **Mr.D.P.Deshpande**, published paper on “Turkey Red Oil from Castor Oil using Sulphonation Process” in International Journal of Engineering Research and Technology, Volume 10, Number 1 (2017), Page no. 293-296, Nov. 2017,ISSN 0974-3154
- **Mrs. Kirti Bhushan Zare** published paper on “Comparison between Different Methods of Waste Oil Recovery” in (International Journal of Innovative Research in Science, Engineering and Technology), Volume 5 Page no. 11, Nov. 2016 ISSN: 2319- 8753.
- **Mrs. Kirti Bhushan Zare** published paper on “Optimization of Methyl Lactate from Calcium Lactate & Methanol In Presence Of Supercritical Carbon Dioxide “in (International Journal of Innovative Research in Science, Engineering and Technology), Volume 5, Page no . 11, Oct. 2016, ISSN: 2319- 8753.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Design Of Double Pipe Heat Exchanger “in (international recent trends in engineering science and management), Volume 5 Page no . 199-212, Dec. 2016, ISSN: 2394- 1537.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Rooftop Rainwater Harvesting System and In-Line Treatment” in (International Journal of Research in Engineering and Technology), Volume 5 Page no. 101-103, Dec. 2016, ISSN: 2319 – 1163.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Modelling And Simulation Of Saponification Reaction In Different Type Of Reactor” in (International journal of advanced technology in engineering and sciences), Volume 6 Page no. 35-43 , Dec 2016, ISSN: 2319 – 1163.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Hybrid Energy Systems & Advance Energy Technologies” in (International journal of advanced technology in engineering and sciences), Volume 6 Page no. 45-50 , Jan 2017, ISSN: 2367 – 1170.
- **Mrs. Kirti Bhushan Zare** Published Paper On “The Biosurfactant Surfactin as a Kinetic Promoter for Methane Hydrate Formation” in Energy Procedia Elsevier, Volume 105, Page no 5011- 5017 , June 2017, ISSN: 2339-8955.
- **Mrs. Kirti Bhushan Zare** published paper on “Cryogenic” in (International Journal of Science, Engineering and Management (IJSEM)), Volume1 Page no. 6, Dec. 2016 ISSN: 2456 -1304.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Maximizing the Nutritional Value of Fruits & Vegetables” inInternational Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), Volume 2 Page no 8 , Jan 2017, ISSN: 2456- 1290.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Spiral Finned Crystallizer for Progressive Freeze Concentration Process”International Journal of Innovative Research in Science, Engineering and Technology), Volume 5 Page no 8, Oct 2016, ISSN: 2319-8753.
- **Mrs. Priti Phalak** published paper on “Study of Boiler Characteristics” in Anveshana’s International Journal Of

- **Mrs. Priti Phalak** published paper on “Degradation of Dye By Advanced Oxidation Processes” in Anveshana’s International Journal Of Research In Pharmacy And Life Sciences, Volume: 2,Page no. 5-9, April 2017 ISSN: 2456-3889.
- **Mrs. Sonali Singh** published paper on “Intensification of Extraction of Lignocellulic products from Sustainable Feedstock” in Anveshana’s International Journal Of Research In Engineering And Applied Sciences, Volume: 2, Issue 1, Jan 2017, ISSN: 2455-6300.

Faculty Presentations in Conferences

- **Mr. D. P. Deshpande** presented paper on “Promising Fuel for Future” in iCETETA 2017, D.Y.Patil College of Engineering and Technology, Kolhapur, March 2017
- **Mrs. Kirti Bhushan Zare** presented paper on “Cryogenic” in International Conference on Technological Innovations in Engineering, MIT ,Pune, 15 Nov 2016 , 2456 -1304.
- **Mrs. Kirti Bhushan Zare** presented paper on “Maximizing the Nutritional Value of Fruits & Vegetables” 2nd International Conference on Internet of Things and Applications for Smart City ICIOTAS-17, MIT, Pune, 28 April 2016, 2456- 1290.
- **Mrs. Kirti Bhushan Zare** Published Paper on “Hybrid Energy Systems & Advance Energy Technologies” in (International Conference on Sustainable Development for Energy and Environment, MIT, Pune Jan 2017, ISSN: 2367 – 1170.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Modelling And Simulation of Saponification Reaction in Different Type of Reactor” in 5th International Conference on Recent Trends in Engineering, Science & Management, Genba sopanrao moze college of engineering ,Pune Dec 2016, ISSN: 2319 – 1163.
- **Mrs. Kirti Bhushan Zare** Published Paper On “Design of Double Pipe Heat Exchanger” in 7th International Conference on Recent Trends In Engineering, Science & Management (ICRTESM-17), Genba sopanrao moze college of engineering ,Pune Dec 2016, ISSN: 2394- 1537.
- **Mrs. Priti Phalak** presented paper on “Prediction for the Synthesis of Aluminium Nano-Particles by Chemcad and Dynochem Simulations” in Thirty-third National Convention of Chemical Engineers on Nanotechnology and its Applications for Sustainable Development in Chemical Industries, the Institution of Engineers (India) in Association with AISSMS College of Engineering Dept. of Chemical Engineering, 9 & 10 September, 2017.
- **Mrs. Sonali Singh** presented paper on “Intensification of Extraction of Lignocellulic products from Sustainable Feedstock” in International Conference on Research advances in Engineering Technologies and Pharmaceutical Sciences on 11/02/2017 at Nellore.
- **Mrs. Sonali Singh** presented paper on “Waste Water Treatment” in International Conference on current Research in Engineering Technologies, Applied Sciences and Business Management on 20/08/2016 at Vijayawada.
- **Mrs. Sonali Singh** presented paper on “Waste Oil Recovery” in International Conference on Innovative Concepts in Applied Sciences, Engineering and Management Concepts on 18/06/2016 in Visakhapatnam.

- **Mrs. Sonali Singh** presented paper on “Biodiesel” in International Conference on Inter-Disciplinary and Multi-Disciplinary Academic Studies on 10/12/2016 in Bangalore.

Interaction with outside world:

- **Dr. Utkarsh Maheshwari** worked as Reviewer for **Asian Journal of Pharmaceutical Sciences**, an Elsevier Publication.
- **Dr. Utkarsh Maheshwari** worked as Reviewer for **Journal of Natural Gas Science & Engineering**, an Elsevier Publication.
- **Dr. Utkarsh Maheshwari** worked as Reviewer for **Sustainable Materials and Technologies**, an Elsevier Publication.

Invited Talks/Judge/Resource

- **Dr. Utkarsh Maheshwari** was invited as Judge for **Promising and Innovative Chemical Engineers, PICE 2017**, at Department of Chemical Engineering, **AISSMS College of Engineering** on 26th March 2017.

Faculties Remarkable Achievements

- **Dr. Utkarsh Maheshwari** has been elected as the **Executive Committee Member** of the **Indian Institute of Chemical Engineer’s Pune Regional Centre** for the year **2017-18**.
- **Mrs.Kirti Bhushan Zare** participated in conferences on **National Conference on Environment Development** and got **Best Presentation Award** from Dr.Ashok Chavan, CEO of Savitribai Phule Pune University.

Faculties Intercollegiate Activities

- **Dr. Utkarsh Maheshwari** delivered a guest lecture on “**Role of Mathematical Modelling and Statistical Analysis in Engineering**” on 20th June 2017 at **Dr. D.Y.Patil Institute of Engineering, Management and Research, Pune**.

Training and Placement

T & P Activities

Dr. Utkarsh Maheshwari, along with 4 students from third year of Chemical Engineering, Mr. TanayKumthekar, Mr.VivekGadekar, Mr. Prashant Bhos and Mr.ShahrukhBegade had visited, Ahmadabad to attend Indian Ceramics & Ceramics Asia 2017, organised at Gujarat University Exhibition Center, Ahmadabad on from 1st to 3rd March 2017 to interact with companies working in the field of Ceramics and tile manufacturing. The participants have interacted with a number of Indian and foreign country exhibitors and gathered information about their requirement from the students or the future employees.



Visit to Gujarat University Exhibition Centre



Interaction with Experts

Placement

Total Count of Placed Students: 32

% of placed students: 55.17

Company wise count:

Sr.No.	Name of Company	No. Of Students placed
1.	Nicomet Industries	07
2.	Aquacare Solutions	06
3.	CoCreate Consulting, APC Consulting	01
4.	Jindal Soft	01
5.	Grouer and weilindia Ltd Vapi	01
6.	Hikle Ltd. Mahad	01
7.	KopranPharmaMahad	01
8.	Gujarat Fertilisers Pvt. Ltd., Sterling Chemicals Vapi	01
9.	APC Consulting Pvt. Ltd.	01
10.	Amazon India	01

Industrial visits /Tours

1. Industrial Visit to Ajinkyatara Sahakari Karkhana Ltd.Satra' &'Shree Renuka Sugars Ltd. Satra.for PECPD students was arranged on 06/01/2017 for industrial Exposure.
 - Visit Objectives: Students should fill gap between theory and practical.
 - Visit Outcome: Students able to learn process and ethanol processes.
2. Industrial Visit to Pimpri Chinchwad Municipal Corporation Water purification Plant, Pradhikaran, Nigdi, Pune for Environmental Engg. Students were arranged on 26/03/2017 for industrial Exposure.
 - Visit Objectives: Students should fill gap between theory and practical.
 - Visit Outcome: Students able to learn water purification process.
3. Industrial Visit to Gharda Chemicals Limited, Dombivli for Chemical Process Technology, Students were arranged on 31/08/2016 for industrial Exposure.
 - Visit Objectives: Students should fill gap between theory and practical.
 - Visit Outcome: Students able to learn about Chemical Industries.
4. Industrial Visit to Pune Techtrol Pvt. Ltd., Bhosari, Pune for Process Instrumentation and Control .Students were arranged on 07/02/2017 for industrial Exposure.
 - Visit Objectives: Students should fill gap between theory and practical.
 - Visit Outcome: Students able to learn about Instrumentation and Control.
5. Industrial Visit to Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd., Mulashi, Pune for Unit Operations and Unit Processes. Students were arranged on 16/03/2017 for industrial Exposure.
 - Visit Objectives: Students should fill gap between theory and practical.
 - Visit Outcome: Students able to learn about different Unit Operations and Unit Processes.



Ajinkyatara Sahakari Karkhana, Satra



Water Purification Plant, Nigdi

Student Development and Welfare

Guest Lectures (for Students)

- The **Statistical Design of Experiments** was organized by Chemical Engineering on 23.09.2016.
- Speaker details as Name: **Dr. V. R. Patwardhan**, Scientist E1 retired in Oct 2003, National Chemical Laboratory, 9372992340, vrpawardhan1943@gmail.com.
- The Lecture was delivered by Dr. V. R. Patwardhan, NCL. The lecture was based on Statistical Design of Experiments. Designing of Experiments was explained very well.
- The event was organized with an objective of students able to learn statistical design of experiment.
- The outcome of the event was: students design different type experiment.

Report:

A guest lecture Statistical Design of Experiments has been conducted for S.E, T. E and B.E Chemical engineering students 23.09.2016. The Lecture was delivered by Dr. V. R. Patwardhan, NCL. The lecture was based on Statistical Design of Experiments. Designing of Experiments was explained very well. Near about 100 Students from SE, TE and BE Chemical Engineering Department is benefited from the lecture



Guest Lecture on Statistical Design of Experiments



Faculty interaction with Dr. V. R. Patwardhan

Technical Events

Details of Technical Event is as follow

- Event Name :- CHEMSPHOTAK 2K17
- Tuesday & Wednesday, 17/01/2017 & 18/01/2017
- Dr. M.B.Patil, Assistant professor, MIT, Pune, 9922964787, mbpatil@mitaoe.in
- CHEMSPHOTAK 2K17 was organized by Chemical Engineering department, DYPIEMR, Akurdi for students to enhance the quality of their personal and professional life.
- The event was organized with an objective of the Technical event was to help the students inculcate managerial

Event Name	Total Participants	Name of Winners
Event1: Paper Presentation	15	First : Chetanambekar and Shubham Tanpure Second : AdityaLomate and SharadSurvase Third : Vinit Ponshe
Event 2: Junk War	43	First : SharukhBegade, AshwinPonnappan, Akram Patel, Sadique Ali Mujawar, AkshayNandvikar Second : PoojaVishwakarma, DeepshrankalaSaxena, Deepali Patil, Pranali Sawant Third : Shubham Borase, Akhil Mathew, Sachin Nimbalkar, MandarMithe, Nikhil Mane
Event 3 Quizmania	26	First : Ronit Second : ParagSatam and MrunalKhobagade

skills, competitive spirit, communication skills, functioning independently.

- The outcome of the event was to endorse the development of such multicultural sensitivity, awareness, knowledge and competence of the students.

Paper Presentation Winners



Junk War Winners

REPORT

CHEMSPHOTAK 2K17

Date: 17th-18thJan, 2017

‘CHEMSPHOTAK 2K17’ was organized for students at Institute by the Department of Chemical Engineering. The key objective of this Technical Event was to help the students inculcate managerial skills, competitive spirit, communication skills, functioning independently, without need for constant reassurances from others; reasonable risk-taking; demonstration of personal control; self-motivation; feelings of usefulness; development and confirmation of identity; confidence, ethics, and integrity; realistic self-appraisal and self-understanding with competent technical knowledge, team work and healthy competition.

Event 1: PAPER PRESENTATION

Position secured	Name	College
First	Chetanambekar and Shubham Tanpure	D.Y. Patil College of Engineering and Technology, Kolhapur
Second	AdityaLomate and SharadSurvase	DYPIEMR
Third	Vinit Ponkshe	DYPIEMR

Event 2: JUNK WAR

Position Secured	Name	College
First	ShahrukhBegade AshwinPonnappan Akram Patel Sadique Ali Mujawar AkshayNandvikar	DYPIEMR
Second	Pooja Vishwakarma DeepshankrlalSaxena Deepali Patil Pranali Sawant	DYPIEMR
Second	Shubham Borase Akhil Mathew Sachin Nimbalkar MandarMithe Nikhil Mane	MMCOE

Event 3:QUIZMANIA

Position Secured	Name	College
First	Ronit	DYPIEMR
Second	Parag S. &Mrunal K.	DYPIEMR

Student Achievements

Student Publications

- **Ms. Dipika Kanchan** presented paper titled “**Design Of Double Pipe Heat Exchanger**” in International conference on Recent Trends In Engineering, Science & Management (ICRTESM-17) organized by Genba sopanrao moze college of engineering ,Pune on **Dec 2016**.
- **Ms. Nupur Patel** presented paper titled “**Design Of Double Pipe Heat Exchanger**” in International conference on Recent Trends In Engineering, Science & Management (ICRTESM-17) organized by Genba sopanrao moze college of engineering ,Pune on **Dec 2016**.
- **Ms. Sayali Ramteke** presented paper titled “**Modelling and Simulation of Saponification Reaction in Different Type of Reactor**” in International journal of advanced technology in Engineering and sciences, organized by Genba sopanrao moze college of engineering, Pune**Feb 2017**.
- **Ms. Sapna Mohite** presented paper titled “**Modelling and Simulation of Saponification Reaction in Different Type of Reactor**” in International journal of advanced technology in Engineering and sciences, organized by Genba sopanrao moze college of engineering, Pune**Feb 2017**.
- **Mr.Vinit Ponkshe**presented paper in National conference on “**Promising and Young Chemical Engineers 2017**” organized by AISSMS,COE, Pune on **26/03/ 2017**.

First Year Engineering Department

Mr. Baburao Gujar

Dean Academics

About Department

The Department of Dean Academics is the largest department in the institute. It achieves the highest standards teaching. The Academics' First-Year Engineering Program is the entry point for all beginning engineering students. It is one of the basic and important departments to establish the important link between pure sciences and engineering branches.

All engineering students must complete the First-Year Engineering requirements before entering departments of their choice. This core curriculum includes courses in engineering mathematics, engineering chemistry, engineering physics, electrical engineering, electronics engineering, engineering drawing, engineering mechanics, workshop practices and computer programming. The First-Year Engineering Program provides students with a firm foundation and initial understanding of engineering and career options.

This department is furnished by well equipped laboratories with sophisticated instruments, computer center and work-shop, which gear up to ensure strong fundamentals.

The main backbone of the department consists of a team of highly qualified and experienced faculty members. Our faculties are dedicated to assist the beginning engineers with the first-year experience. We always strive for excellence. Our policy is to polish our students with new trends, as it becomes easy for them to accommodate themselves anywhere across the industries, in today's globalized world.

HOD Message

There is a paradigm shift in the industrial environment world over, which is complex, competitive and volatile. The fast technological changes, greater international competition, the deregulation of markets, an unstable capital-investment in industries and the changing demographics of the work-force; are among the many factors that have contributed towards this shift.

To succeed in such a dynamic business environment, there is a need to provide contemporary technical education and training for all aspiring professionals. This is our motto at First Year Department of Dr. D. Y. Patil Institute of Engineering Management & Research. We focus on updated course curriculum, innovative and effective teaching methodologies, faculty development programs, research oriented academic work, practical inputs to students and other value additions are the necessities, besides good infrastructure, to bring excellence.

I extend a hearty welcome to all those coming to our fold and assure an enriching learning experience with us.

Vision

Students building their foundation to create the future.

Mission

“To produce technically competent graduates that understand their responsibilities in society.”

Best Practices of department

We have teacher Guardian System in which

1. They listen to students problems and difficulties academic as well as personal.
2. They monitor and keep records of students attendance, academic progress and other activities accurately and efficiently.
3. They communicate parents about attendance and academic progress of students regularly through phone call/letter/sms/email.
4. They make students aware of the strengths and weaknesses of his/her studies and do the counselling and ensure students care at all fronts for the benefit and overall development of students.

Academic Excellence AY 2016-17

Sr No	Division	Passing Percentage	
		SEM I	SEM II
1	A	38.33	51.72
2	B	40	50.85
3	C	27.87	30
4	D	48.33	56.14
5	E	43.28	52.31
6	F	43.94	47.69
7	G	17.91	27.27
8	H	16.92	29.69

Highlights of Academic Excellence in SPPU Examination for Semester-I 2016-17

Toppers:

1. Miss. Akshada Babar(FE-E) SGPA -9.72
2. Mr. Abhinav Jha (FE-E) SGPA-9.68
3. Mr. Ayush Agarwal (FE-A) SGPA-9.64
4. Mr. Digamber Dhupal (FE-A) SGPA-9.52
5. Mr. Ashitosh Dol (FE-A) SGPA-9.48

Highlights of Academic Excellence in SPPU Examination for Semester-II 2016-17

Toppers:

1. Miss. Akshada Babar(FE-E) SGPA -9.76
2. Mr. Digamber Dhupal (FE-A) SGPA-9.60
3. Mr. Abhinav Jha (FE-E) SGPA-9.56
4. Mr. Ayush Agarwal (FE-A) SGPA-9.50
5. Mr. Yugesh Bhoge (FE-A) SGPA-9.46

Research and Development

FDP Organized

- The Role of Mathematical Modelling and Statistical Analysis in Engineering was organized by Dean Academics (First Year Engineering) on 20th to 24th June , 2017
- Mathematics is the language of Engineering. Through observation, we develop hypothesis about the behaviour of the world around us. We develop Mathematical models of those hypothesis that we can evaluate, refine, verify and validate.
- Dr. Mrs. Vanita R. Daddi and Mr. Keval Nikam successfully coordinated the event.
- The event was organized with an objective of computer-aided design, finite element modelling and analysis, computational fluid dynamics.
- The outcome of the event was **Mathematics is a very precise language. This helps us to formulate ideas and identify underlying assumptions.** The area of optimization has received enormous attention in recent years, primarily because of the rapid progress in computer technology, including the development and availability of user-friendly software, high-speed and parallel processors, and artificial neural networks.



FDP/ Workshop attended by Faculty				
1	2017	B.S. Gujar	Role of Mathematical Modeling and Statistical analysis in Engineering	20 th June to 24 th June (1 week)
2	2017	B.S. Gujar	NPTEL Awareness Workshop	19 th January 2017 (1 day)
3	2016	B.S. Gujar	National Teachers congress Inspiring teachers strengthening Generations	23 rd September to 25 th September 2106 (3 days)
4	2017	Swati joshi	Role of Mathematical Modelling and Statical Analysis in Engineering	20-26 June 2017
5	2017	Swati joshi	Image Processing Using Raspberry Pi and Robotics	5 June 2017
6	2017	Swati joshi	Enhance Learning Through Various Audits In Electrical Engineering	24-30 April 2017
7	2016	Swati joshi	Arduino Concepts in Pogramming	16-17 Dec 2016
8	2016	Swati joshi	Revised Syllabus On ECM	9-11 June 2016
9	2016	Swati joshi	Syllabus Detailing of EEE	5 oct 2016
10	2017	Neha Urkude	Role of Mathematical Modelling and Statical Analysis in Engineering	20-26 June 2017
11	2017	Neha Urkude	Enhance Learning Through Various Audits In Electrical Engineering	24-30 April 2017
12	2016	Neha Urkude	Arduino Concepts in Pogramming	16-17 Dec 2016
13	2016	Neha Urkude	Revised Syllabus On ECM	9-11 June 2016
14	2016	Neha Urkude	Syllabus Detailing of EEE	5 oct 2016
15	2016	Krishna Raut	Advanced Techniques to Write and Present Research Paper and Patent	9 th July 2016
16	2017	Krishna Raut	Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017

17	2016	Dr (Mrs) V R Daddi	one day workshop on “Teaching strategies and Syllabus discussion on Engineering Mathematics III” for S.E.(Sem-I 2015 credit course) organized by Dr. D. Y. Patil Institute of Engineering and Technology, Pimpri, Pune in association with Board of Studies, Engineering Sciences, SPPU on.	25 th June, 2016
18	2016	Dr (Mrs) V R Daddi	Advanced Techniques to Write and Present Research Paper and Patent	9 th July 2016
19	2016	Dr (Mrs) V R Daddi	Two days National workshop on “Accreditation Process for Technical Institutions” organized by D. Y. Patil School of Engineering, Pune held on 15 th and 16 th December, 2016.	15 th and 16 th December, 2016.
20	2017	Dr (Mrs) V R Daddi	Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017
21	2016		Advanced functional materials and technology	14Feb 2016
22	2017		International conference on nanoscience and nanotechnology	11-14 July 2017
23	2016		Advanced Techniques to Write and Present Research Paper and Patent	9 th July 2016
24	2017		Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017
25	2017		International conference on nanoscience and nanotechnology	11-14 July 2017
26	2017	Dr.Neha Sharma	Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017
27	2016	Mr. Sachin Jamadar	one day workshop on “Teaching strategies and Syllabus discussion on	25 th June, 2016

			Engineering Mathematics III” for S.E.(Sem-I 2015 credit course) organized by Dr. D. Y. Patil Institute of Engineering and Technology, Pimpri, Pune in association with Board of Studies, Engineering Sciences, SPPU on.	
28	2016	Mr. Sachin Jamadar	Advanced Techniques to Write and Present Research Paper and Patent	9 th July 2016
29	2017	Mr. Sachin Jamadar	One Day Workshop on “Teaching strategies and syllabus discussion on Engineering Mathematics III (Mechanical)” organized By Board of studies (Engineering Sciences) SPPU and Pimpri Chinchwad College of Engineering , Nigadi Pune	
30	2017	Mr. Sachin Jamadar	Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017
31	2017	Mr. Sudhir N. Narale	One Day Workshop on “Teaching strategies and syllabus discussion on Engineering Mathematics III (Mechanical)” organized By Board of studies (Engineering Sciences) SPPU and Pimpri Chinchwad College of Engineering , Nigadi Pune	
32	2017	Mr. Sudhir N. Narale	Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017
33	2017	Miss. Sumedha S. Rajeshirke	One Day Workshop on “Teaching strategies and syllabus discussion on Engineering Mathematics III (Mechanical)” organized By Board of studies (Engineering Sciences) SPPU and Pimpri Chinchwad College of Engineering , Nigadi Pune	

34	2017	Miss. Sumedha S. Rajeshirke	Role of Mathematical Modeling and Statistical analysis in Engineering	20-26 June 2017
35	2017	Mr. Amit Khandagale	Role of Mathematical Modeling and Statistical analysis in Engineering	20-24 June 2017
36	2017	Dr.Vishwajeet Khot	Role of Mathematical Modeling and Statistical analysis in Engineering	20-24 June 2017
37	2017	Dr.Vishwajeet Khot	Material science research pof societal relevance	25-26 2017
38	2017	Sandeep Patil	Role of Mathematical Modeling and Statistical analysis in Engineering	20-24 June 2017

Faculty publications in Journals

Mr. B.S.Gujar:

Mr.B.S.Gujar published paper on Microcontroller Based Smart Control System with Computer- International Journal of Electrical, Electronics and Computer Systems (IJEECS), 45-48 ISSN No.2347-2820 Volume 5 in 2017

Dr.Vandana B Patil:

1) Dr.Vanadana B. Patil published paper on Enhanced NO₂ response of hydrothermally grown Ti doped WO₃ nanostructures. Journal of Materials Science: Materials in Electronics

January 2017, Volume 28, Issue 2, pp 1612–1619 in 2016

2) Dr.Vanadana B. Patil published paper on Effect of annealing on PbWO₄ nanorods- Materials Letters 181, 350–353 in 2016

3) Dr.Vanadana B. Patil published paper on Using Motion Simulation in CAD in the Concept Design Phase for Harnessing Energy from Road Traffic - International Journal for Scientific Research & Development ol 4 Issue 10, 2016 | ISSN (online): 2321-0613 in 2017

4) Dr.Vanadana B. Patil published paper on Effect of titanium on supercapacitor performance of WO₃ electrode on GCE- Electrochemical Acta In press in 2017

Dr Mrs V R Daddi:

Dr.Mrs.Vanita Daddi published paper on On Left II- regular Ordered Ternary Semigroups- Bulletin of Calcutta Mathematical Society pages 95-102 volume 108 ISSN No.0008-0659 in 2016

Dr.Neha Sharma:

- 1) Dr.Neha Sharma published paper on A highlight on basic notions of group in abstract algebra- International Journal for Science and Advance Research in Technology (IJSART) 634-637 (2017) ISSN No. 2395-1052 Volume 3 in 2017
- 2) Dr.Neha Sharma published paper on Introduction and application of differential Equations- International Journal for Science and Advance Research in Technology (IJSART) 813-815 (2017) ISSN No. 2395-1052 Volume 3 in 2017

Mr. Sudhir Narale:

- 1) Mr. Sudhir Narale published paper on A highlight on basic notions of group in abstract algebra- International Journal for Science and Advance Research in Technology (IJSART) 634-637 (2017) ISSN No. 2395-1052 Volume 3 in 2017
- 2) Mr. Sudhir Narale published paper on Introduction and application of differential Equations- International Journal for Science and Advance Research in Technology (IJSART) 813-815 (2017) ISSN No. 2395-1052 Volume 3 in 2017

Ms.Sumedha Rajeshirke:

- 1) Ms.Sumedha Rajeshirke published paper on Different Types of Numbers-International Journal For Science and Advance Research in Technology pages 372-375 ISSN No. 2395-1052 (2017) Volume 3 in 2017
- 2) Ms.Sumedha Rajeshirke published paper on Operations in Algebra-International Journal of Research in Science and Engineering pages 367-373 ISSN No. 2394-8280 Volume 3 in 2017

Mr. Sachin S Jamadar:

- 1) Mr. Sachin S Jamadar published paper on Different Types of Numbers-International Journal For Science and Advance Research in Technology pages 372-375 ISSN No. 2395-1052 (2017) Volume 3 in 2017

2) Mr. Sachin S Jamadar published paper on Operations in Algebra-International Journal of Reasearch in Science and Engineering pages 367-373 ISSN No. 2394-8280 Volume 3 in 2017

Mrs. Neha Urkude:

1) Mrs. Neha Urkude published paper on SURVEY ON DENSITY BASED TRAFFIC CONTROLLING SYSTEMS- International Journal of Research In Science & Engineering Special Issue :Techno-Xtreme 2016 897-900 ISSN No.2394-8299 Volume 2 in 2016

2) Mrs. Neha Urkude published paper on Mitigation of Harmonics in cascade Multilevel inverter using Genetic Approach- International Journal of Research In Science & Engineering Special Issue :Techno-Xtreme 2017 482-488 ISSN No. 2394-8300 Volume 2 in 2016

3) Mrs. Neha Urkude published paper on A Study on Arduino Microcontroller & Its Applications- International Journal of Research In Science & Engineering Special Issue :Techno-Xtreme 2019, 197-202 ISSN No. 2394-8300 Volume 2 in 2016

4) Mrs. Neha Urkude published paper on Review on Power quality issues & Rectification in Smart Grid- International Journal of Research In Science & Engineering Special Issue :Techno-Xtreme 2020, 477-481 ISSN No. 2394-8299 Volume 2 in 2016

5) Mrs. Neha Urkude published paper on Microcontroller Based Smart Control System with Computer- International Journal of Electrical, Electronics and Computer Systems (IJEECS), 45-48 ISSN No.2347-2820 Volume 5 in 2017

Dr. Shilpi Sahana:

1) Dr.Shilpi Sahana published paper on Economical synthesis of tetrahydrofurans by carbonyl-Ene reaction- International Journal of Innovative Research in Science, Engineering and Technology, 14577-14582 ISSN No 2347-6710 Volume 6 in 2017

2) Dr.Shilpi Sahana published paper on Synthesis of the fragrance terpene epoxides & selective monocyclization promoted by camphor and oxone- Flavour and Fragrance Journal 350-355, Volume 31 in 2016

Mrs. Swati Joshi:

1) Mrs.Swati joshi published paper on 32 bit pipeline RISC processor in VHDL using Booth algorithm- International recharch journal of engineering and technology, 2484-2487 ISSN No. 2395-0056 Volume 3 in 2016

- 2) Mrs.Swati joshi published paper on Overview of visibal light communication to enhance wifi system- International journal of morden trends in engineering and research, 414-418 ISSN No.2349-9745 Volume 3 in 2016
- 3) Mrs.Swati joshi published paper on Role of free space optical communication network channel over optical fiber cable communication central cellular network- International journal of morden trends in engineering and research, 190-196 ISSN No. 2394-8280 Volume 2 in 2016
- 4) Mrs.Swati joshi published paper on Mitigation of Harmonics in cascade Multilevel inverter using Genetic- International journal of morden trends in engineering and research, ISSN No. 2394-8280 Volume 2 in 2016
- 5) Mrs.Swati joshi published paper on Overview of 5G technology- International recharch journal of engineering and technology 2390-2394 196 ISSN No. 2395-0072 Volume 3 in 2016
- 6) Mrs.Swati joshi published paper on ADVANCEMENT OF POWER ELECTRONICS IN ELECTRIC TRACTION DRIVES international journal of research in science and technology, 890-896 ISSN No. 2394-8280 in 2016
- 7) Mrs.Swati joshi published paper on Microcontroller Based Smart Control System with Computer- IRD india , 45-48 ISSN No.2347-2820 Volume 5 in 2017
- 8) Mrs.Swati joshi published paper on SURVEY ON DENSITY BASED TRAFFIC CONTROLLING SYSTEMS- International Journal of Research In Science & Engineering Special Issue :Techno-Xtreme 2016 pages 897-900 ISSN No.2394-8299 Volume 2 in 2017

Faculties Remarkable Achievements

Dr. Vandana Patil attened 10 days training programme of NITTTR June 10th -20th June 2016.

Dr. Vandana Patil Completed PhD degree in the month of August 3/8/2017

Technical Events

VIHAAN INNOVISION 2K17

Students seeking higher education need a conducive and secure environment that fosters their personal and professional growth. Besides the academic coaching that they receive from their teachers, guidance and mentoring from soft skills professionals or trainers would help them enhance their skill sets and develop important aspects of personality, knowledge and soft skills, viz: leadership, team spirit, sense of responsibility and accountability etc. and thus, groom them to become employable. This could be achieved by organizing technical events. These events provide comprehensive counselling and referral services to help students achieve their educational goals, strengthen their problem-solving skills, develop healthy relationships, and reach their optimum potential for continuous growth. To endorse the development of such multicultural sensitivity, awareness, knowledge, and competence of the students, it was decided to organize Debate Competition, Quiz Competition and Poster Presentation Competition, on the **19th and 20th January, 2017**.

OBJECTIVES

- To prepare students' for life-long learning.
- To help students in enhancing their technical skills with proper applications and minute basics.
- To develop a strong self- esteem among students which would involve, functioning without need for constant reassurances from others; reasonable risk-taking; demonstration of personal control; self-motivation; feelings of usefulness; development and confirmation of identity; confidence, ethics, and integrity; realistic self-appraisal and self-understanding
- Students to understand importance of team and team work to achieve best results within given time limits.
- To enhance communication skills, critical thinking ability and knowledge of current affairs with different stands of the students.

To give all the students a break from their routine and also an opportunity to mingle with each other and make friends breaking the dividing walls of divisions under the same institute.

Details of Technical Event is as follow

Event Name- Quiz Competition

- On 19th and 20th January, 2017.
- Invited Speaker : Prof. Dr. Pravin Thorat
- The event was organized with an objective - To help students in enhancing their technical skills with proper applications and minute basics.

Event Name- Debate Competition

- On 21st January, 2017.
- Invited Speaker : Mr. Rahul Kale (8390949967) and Mrs. Shubhangi Jadhav (8087903680)



Debate Competition

Event Name- Poster Presentation Competition

On 19th January, 2017.

- Invited Speaker : Prof. D. A. Bhagwat and Mrs. Amruta Kulkarni