

Dr. D. Y. Patil Institute of Engineering
Mangement and Research, Akurdi

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

KALEIDOSCOPE

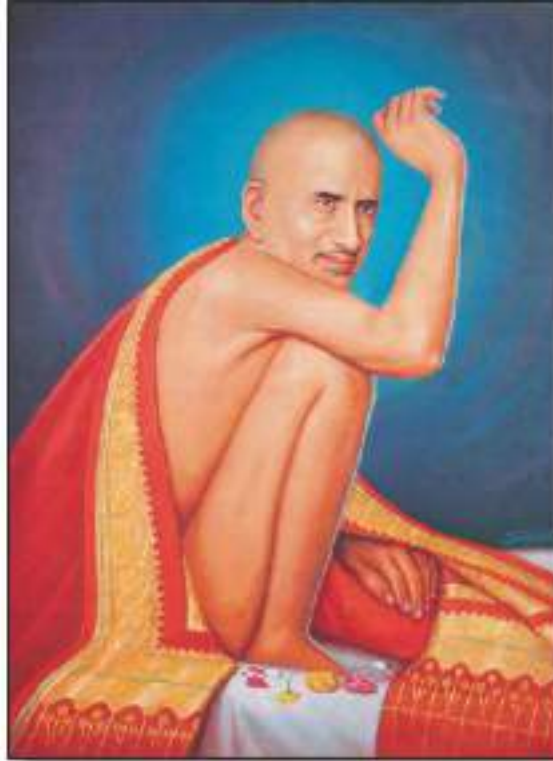
Academic Year 2018-19

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 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, teamwork, professional and Communication skills and ethical standards.

Presiding Deity Academy



Shree Sant Gajanan Maharaj Shegaon

Institute Objectives

- To produce technically competent, quality conscious engineers.
- To develop functionally suitable and conducive environment for students and staff for academic purpose.
- To develop the departments into the centre of excellence.
- To develop post graduate centers for all branches.
- To implement Effective & Efficient Teaching–Learning practices.
- To increase percentage of campus placements.
- To strengthen industry institute interaction.
- Help students for personality development and career guidance.
- To develop the students and staff to get international Acclamation.
- To develop an e-learning campus.



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, Member of the State Legislative Council (MLC) & Minister of State for Home (Urban), Housing, Transport, Information Technology, Parliamentary Affairs & Ex. Servicemen Welfare, Govt. of Maharashtra.. 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, and 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 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

Explore the Genius Within

Trainer – Mr. Dinesh Nathani, Founder, Synergy with Energy, Pune.

Venue: Shantai Auditorium, Dr. D. Y. Patil Educational Complex, Akurdi – Pune, 411044, Maharashtra.

Dates: 14th January, 2019 & 16th January, 2019

OBJECTIVES

1. To prepare students' for life-long learning.
2. To help students enhance their sense of social responsibility by understanding the importance of service to others; awareness of community needs; view of self as member of global community; participation in development, maintenance, and/or orderly change of community, social, and legal standards or norms; tolerance and care for others.
3. 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
4. To instill the fear and presence of God in them as they perform their day to day duties.
5. 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 institutes under the same campus.



Temptations and Challenges of Student Life

Venue: The SHANTAI Auditorium, Dr. D. Y. Patil Educational Complex, Akurdi, Pune – 44

Trainer: Dr. Sapna Sharma, President, Association of Counselors & Psychotherapists, Nagpur

Dates: 17th & 18th January, 2019

OBJECTIVES

The key objectives of the programme are as follows:

1. To help the students to understand the temptations and challenges that surround them
2. To adopt measures that could help counter the challenges and overcome temptations
3. To help them recognize their own dreams and to follow them
4. To make them aware that their career is not a mere degree but shall include their interests also
5. To make them understand the importance of planning in every aspect of life.
6. To help them understand their aims in life
7. To make them aware of their career path and accordingly do the career planning
8. To enable them to prepare short term and long term goals for their personal and professional development
9. To boost their Self Confidence
10. To help them to understand one's own emotional profile and act accordingly
11. To make them understand the importance of relationships and its management in life

Distinguished Activities



Students of the Girls' Hostel on "Being Woman"

Venue: The SHANTAI Auditorium, Dr. D. Y. Patil Educational Complex, Akurdi, Pune - 44
Trainer: Dr. Sapna Sharma, President, Association of Counselors & Psychotherapists, Nagpur
Dates: 19th January, 2019

OBJECTIVES

1. To help the girl students to introspect their contribution towards parents and institution.
2. To help them introspect their contribution towards their aims in life.
3. To enable them to prepare short term and long term goals for their personal and educational development.
4. To give all the Girl Students a break from their routine and also an opportunity to mingle with each other and make friends breaking the dividing walls of institutes under the same campus.
5. To help them develop and polish their skill sets.
6. To boost their Self Confidence.
7. Enable the Adolescent girls for self-development and empowerment.
8. Improve their nutrition and health status.
9. Promote awareness about health, hygiene, nutrition, adolescent reproductive and sexual health (ARSH) and family and child care.



Youth Empowerment Programme

Venue: SHANTAI Auditorium, Dr. D. Y. Patil Educational Complex, Akurdi, Pune – 44

Speakers: Dr. Prakash Baba Amte & Dr. Mandakini Amte

Date: 11/12/2018

OBJECTIVES

1. To imbibe innovative approaches to existing social and educational structures for better impact on the welfare and development of the youth
2. To encourage and support youth initiatives those foster the culture of volunteerism, social responsibility, creativity and self-actualization
3. To help them understand their aims in life
4. To enable them to prepare short term and long term goals for their personal and professional development
5. To boost their self-confidence
6. To help them in becoming a good human being
7. To make them understand the importance and need for youth empowerment



Training Programme For Teacher Guardians – From Teaching To Mentoring

Venue: SHANTAI Auditorium, Dr. D. Y. Patil Educational Complex, Akurdi, Pune – 44

Trainer: Dr. Sapna Sharma, President, Association of Counselors & Psychotherapists, Nagpur

Date: 19/01/2019

OBJECTIVES

1. To help strengthen the interpersonal relationship of a Teacher Guardian and a student
2. To help the students in understanding their aims and responsibilities in life
3. To enhance the personal and professional relationship of the Teacher Guardians towards their students
4. To enable the students to share their personal shortcomings to their Teacher Guardian and this will lead to a wholesome development of the student
5. To enable them to go that extra mile to support students not just in scholastic pursuits but also extra-curricular activities, for job preparation, selection and placement
6. To share and discuss issues relating to students' psychology and assist the teacher to find alternatives for effective class control and teaching



iTrix 2K19 – Technical Event

Date: 13th & 14th February, 2019



The primary focus of these activities is to advance students' knowledge, instill self-confidence, provide needed recreational opportunities, help them enhance their skill sets and develop important aspects of personality, soft skills, viz: leadership, team spirit, sense of responsibility and accountability etc. and thus, groom them professionally to reach their potential.

The key objective of this Technical Event was to help the students' develop the participation spirit among them, which would involve, functioning independently, without need for constant reassurance 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, teamwork and healthy competition.



Department : First Year Engineering

Dr. Minaz Alvi
Head of the Department

About Department

The Department of First Year Engineering is the largest department in the institute. It achieves the highest standards teaching. The 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.

Objectives

- To provide a basic foundation to students through fundamental subjects of Science & Engineering alongwith their practical applications.
- To create a conducive environment for effective teaching – learning process by providing academic guidance, counseling and mentoring.
- To inculcate communication skills, team work, leadership skills and a sense of social responsibility.

Best Practices:

1. FE Welcome Function & Induction Program
2. Teacher Guardian Scheme
3. Proficiency Test for Identification of Slow & Advance Learner
4. Technical Events “ANKURAN” exclusively for FE students
5. Parents Teacher Meet
6. Study Hours for preparation of Theory Exam during Internal Examination period

Academic Excellence AY 2018-19

Highlights of Academic Excellence in SPPU Examination:

Sr No	Division	Passing Percentage	
		SEM I	SEM II
1	A	46.88	53.13
2	B	51.56	49.21
3	C	27.87	32.30
4	D	13.85	12.50
5	E	35.82	39.68
6	F	21.92	36.99
7	G	27.12	38.98
8	H	27.87	33.33

List of Toppers:

Rank	Div	Roll No	Exam seat No	Name of the student	SGPA
1	A	18108	F151090026	AMAN ANEES MULANI	9.92
2	A	18148	F151090196	JADHAV SURAJ SANDIPAN	9.9
3	B	18207	F151090435	SHINDE GAURAV SANJAY	9.84
4	A	18161	F151090455	SRI LEKHA MAMILLAPALLI	9.66
5	B	18201	F151090221	KALE NEHA JAYAWANT	9.46
6	B	18267	F151090387	REDIJ SIMRAN NITIN	9.42
7	B	18242	F151090207	JOSHI JAY NILESH	9.38
7	A	18147	F151090310	SANKET KISHOR NIKAM	9.38
8	A	18142	F151090347	PATIL RAHUL DHANRAJ	9.32
9	B	18241	F151090312	RANE NIRAJ PRASHANT	9.3
10	B	18202	F151090430	SHETH AISHWARYA ATUL	9.28

FDP Organized (for Faculties):

“3 DAYS FACULTY DEVELOPMENT PROGRAM FOR STUDENT INDUCTION PROGRAM FOR AICTE APPROVED INSTITUTIONS” was organized by Department of First Year Engineering on (from 13/06/2019 to 15/06/19)

Resource Person: **1. Mrs. Sarika Kshirsagar**

2. Mrs Archana Yadav

3. Mr Yashwant Patil

Beneficiary : **(350)**

Organizer : **Dr. Minaz Alvi**

Coordinator : **Dr. V.M Khot & Dr. Vanita Daddi**

Description of the Event

The main objective of this FDP was to focus on Human Values and Ethics and examine their vision of human values in man's individual life as well as in the social life.

Dr. D.Y.Patil Institute of Engineering Management & Research has organized AICTE sponsored three days faculty development programme "Student Induction Program for AICTE approved Institutions" from 13th-15th May, 2019. The FDP received an overwhelming response with more than 350 participants from various institutes/ colleges approved by AICTE and affiliated to various Universities across the area of Maharashtra.

There were three speakers recommended by AICTE to conduct the training sessions for the Faculties on "Universal Human Values" namely Mrs Archana Yadav, Mrs

Sarika Kshirsagar and Mr Yashwant Patil. All the three speakers are related to central philosophy named as "Madhyasth Darshan". This group have conducted workshops at various education institutes from Punjab, Gujarat and Uttar Pradesh.

Description of the Event



Dr. Prabhat Ranjan VC of DYPIU Felicitating to the guest



FDP on Students Induction Program

FDP Organised:

Dr. Vanita Daddi & Dr. V. M. Khot organised "3 DAYS FACULTY DEVELOPMENT PROGRAM FOR STUDENT INDUCTION PROGRAM FOR AICTE APPROVED INSTITUTIONS" on 13/06/18 to 15/06/18 at DYPIEMR, Akurdi, Pune

FDP Attended/ Organised:

Sr. No.	Name of Faculty Member	FDP Attended/ Organised	Title of FDP	Duration of Course with Month and Date	Venue
1.	Mrs. Swati Joshi	Attended	IOT Using Python	11/06/18 to 15/06/18	DYPIEMR, Akurdi Pune
2.	1. Dr., Minaz Alvi 2. Dr. Vishwajeet Khot, 3. Dr. V.R. Daddi 4. Mr. Sachin Jamadar 5. Mr. Sudhir Narale 6. Mr. Sandeep Patil 7. Dr. Neha Sharma 8. Mr. Ramesh Rodalbandi 9. Mrs. Sarika Satpute 10. Dr. Shilpi Sahana	Attended & Organised	AICTE approved three day FDP on Student Induction	13/06/18 to 15/06/18	DYPIEMR, Akurdi Pune

List of MOUs:

Department of FE has following MoU with various industries

Sr. No	Name of Organization	Faculty Name	Purpose	Date of Signing
1	Malpani Group Pune	Dr. V.B. Patil	Guest Lecture	1.09.19
2	Design Square Studio Pune	Dr. Vanita Daddi	Guest Lecture	1.07.19
3	Laxmi Industries Pune	Mr. Sachin Jamadar	Guest Lecture	20.06.19
4	Zerton Engineering Services Pvt. Ltd. Pune	Mr. B.S. Gujar	Students Internship	25.07.18
5	VDTECH- SOLUTION, Pune	Mr. Ramesh Rodalbandi	Guest Lecture	24.07.19
6	Envee Wheels Pvt. Ltd., Pune	Mr. Sudhir Narale	Guest Lecture	24.07.19

Faculty publications in Journals:

Sr. No	Name of faculty	Title of Journal	Name of Journal	Volume	Date of Publication & Year	ISSN no	Page no
1	Dr.Neha Sharma	Stability of rivlin-erick-senelastico viscous fluids in a uniform horizontal magnetic field	IJSART	4	7 July 2018	2395-1052	72-77
2	Dr V M Khot	Surface Functionalization of MnFe ₂ O ₄ Nanoparticles with Ethylenediamine for Hyperthermia Application	Asian J. Chem.	31	September 2019	0970-7077 (Print)	1081-1086
3	Dr V M Khot	APTES (3-aminopropyl-triethoxy silane) functionalized MnFe ₂ O ₄ nanoparticles: a potential material for magnetic fluid hyperthermia	Chemical Papers	73	September 2019	2585-7290 (Print)	1-9

Conference Publications:

Sr. No.	Name of Faculty Member	Title of Paper	Name of Conference	National / International	Organizing Institute	Venue	Duration
1	Mrs. Swati Joshi	Internet of Things :A Review	Evolution on engineering and science	National	Lokmany-aLilak college of Engineering	Mumbai	03/03/18
2	Mrs.Sarika Satpute	Internet of Things :A Review	Evolution on engineering and science	National	Lokmany-aLilak college of Engineering	Mumbai	03/03/18
3	Dr Vishwa-jeet M khot		National Teachers Congress 2018	National	MITWPU	Kothrud, Pune	4/01/19 to 5/01/19

Interaction with outside world:

- Dr. Vishwajeet Khot worked as Reviewers for SCOPUS/WOS/SCI indexed international Journal of Alloys and Compounds (Elsevier).
- Dr.(Mrs .) Vanita R Daddi worked as Reviewers for International Journal of Open Problems in Computer Science and Mathematics (Jordan).

Faculties Remarkable Achievements

Dr. Vandana Patil awarded as First Woman Phd award for “Phd Completion” on April 26 th 2019 January at Wakare, Kolhapur

Industrial visits /Tours

1. Industrial Visit to Water Treatment plant at Nigadi for FE students was arranged on for understand plant working & operation.

Objectives of Visit:

1. To understand the importance of safe water supply to the community.
2. To describe the process of water treatment.
3. To understand the functioning of Substations at the plant.



Faculty & Students visited to Plant



Mrs. Hingne madam is explaining water treatment process

Industrial visits /Tours

2. Industrial Visit to Parle-G plant at Talegaon for FE students was organised to understand Process of making Parle Biscuit.



Process of making Parle Biscuit



Faculty & Students visited to Plant

Student Development and Welfare

Guest Lectures (for Students)

The guest lecture on “Industry expectations from Mechanical Engineers” was organized by First year Engineering Department for FE Mechanical students on 10/04/2019 at 10:00 AM

Name of the Speaker	: Mr. Vivek Hanchate (Sr. Engineer–CAE, JLR Body System)
Name of the Organization	: TATA Technologies, Pune
Topic	: Industry Expectations from Mechanical Engineers
No of Beneficiary	: 114
Coordinator	: Mr. Siddharth Shete & Mr. Praphulla Nalawade

Objectives of Lecture:

1. To understand the need of an Industry
2. To categorize the domain of Mechanical Engineering
3. To understand the basics in Industry point of view

Industrial visits /Tours



Mr. Vivek Hanchate Conducting Session



Activity Conducted for Students to Express their Innovative Ideas

Technical Events:

Details of Technical Event are as follow;
TECHNOVANZA 2K18 was organized by First Year Engineering Department on 27th October, 2018

Invited Judges : 1.Dr. Pranjali Shinde, Asst. Prof DYPCOE
2.Mr. D.A.Bhagwat, Asst. Prof DYPCOE
3.Dr. Suhas Yevalekar, Asst. Prof DYPCOE

Objectives of Events:

1. To provide an opportunity for first year students to demonstrate their independence, originality and ethics
2. To cultivate research interest
3. To prepare students to a real competitive environment
4. To train students to showcase their talent, skills and ideas

Industrial visits /Tours



Dr. Shilpi Sahana extending a token of appreciation to our honorable guest Dr. Pranjali Shinde .



Dr. Suhas Yevalekar, recieveing a token of Appreciation

Social Concern/ activities

FE Department organized Kerala food donation Drive during 1/08/2018 to 25/08/2018 at DYPIEMR, Akurdi . More than 30 students of FE participated in the social program.



Principal Madam with all commodities to be donated



Food grains& commodities are donated by FE Faculties & Students to Rotaract Club

FE Students also participated in event like the moment of calm which was organized by ROTARACT CLUB of DYPIEMR to forgive and spread love in remembrance of our leader, Dada J.P. VASWANI, who was a non-sectarian spiritual leader of our country. He promoted vegetarianism and animal rights.

Dada Vaswani initiated “The Moment of Calm”; a global peace initiative. Throughout the world, people observe two minutes of silence on 2 nd August (his birthday) at 2 pm and choose to forgive one and all. This event took place in the college premises on 2nd August 2018 at 2 pm. Approximately 900 students and 75 faculties and staff members took part in the event.



Students of Computer Science Engineering Department participating the event



Students of Chemical Engineering Department participating the event

Mechanical Engineering Department

Mr Kiran M. Narkar
Head of the Department

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 be among the top colleges producing competent mechanical engineers.

Mission

- 1) To impart quality education and to enhance students' skills to make them ready for their professional career.
- 2) To provide an education that builds within students a solid foundation in mechanical engineering principles with creativity and innovation.
- 3) To develop linkages with other educational institutes and industries.
- 4) To encourage students to become entrepreneurs and inculcate professional ethical practices by providing them with necessary inputs.

Programme Education Objective

1. Graduates will design, analyses and develop engineering solutions that meet the needs of various industries.
2. Graduates will continue their education in engineering an interdisciplinary areas to emerge as experts, educators, entrepreneurs and researchers in their chosen fields.
3. Graduates will work effectively as a part of teams on multidisciplinary projects.
4. Graduates will exhibit strong leadership, inter-personal and communication skills with concern for society and environment.

Programme Specific outcomes

Mechanical engineering graduates will be able

PSO1: Graduates will be able to design and analyse mechanical systems.

PSO2: Graduate will be able to use the CAD/CAM/CAE software effectively in the design, analysis and manufacturing of mechanical components and systems.

Programme Outcomes

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals for the solution of complex problems in mechanical engineering

PO2: Problem analysis: Identify, formulate, research literature, and analyze complex mechanical engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs of mechanical engineering with appropriate consideration for public health and safety, and cultural, societal

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusion for mechanical engineering problems.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations

PO6: 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 engineering practice.

Programme Specific outcomes

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological changes.

Academic Excellence AY 2018-19

Highlights of Academic Excellence in SPPU Examination Toppers:

BE Toppers

Rank	Name of the Students	CGPA
1	Gawade Yashwant Santosh	10
2	Chambhare Paras Vinayak	9.68
3	Dhake Gaurav Chudaman	9.68

TE Toppers

Rank	Name of the Students	CGPA
1	Rushikesh Mankar	9.3
2	Raut Akshay Dnyandev	9.13
3	Pawar Ganesh Rakhama	9.04

Highlights of Academic Excellence in SPPU Examination Toppers:

SE Toppers

Rank	Name of the Students	CGPA
1	Prasad Mithlesh Arjun	9.40
2	Sawant Shubham Ashok	9.32
3	Nikhil Mukesh Wani	9.16

Research and Development

FDP Organized

The One week FDP on “Vibration Measurement and Analysis” was organized by Mechanical Engineering Department from 8th June 2017 to 13th June 2017

- A one week FDP was organized for the faculty of Mechanical Engineering
- The event was ISTE & AICTE Approved and organized with an objective of making them aware about the current Vibration Measurement and its practical use in Industry.
- The outcome of the event was the faculty were able to explain the practical uses of Vibration Measurement and also its applications in the industry



FDP Attended

- Mrs. Amruta Adwant, Mr. Amt Umbrajkar, Mr. Y. N. Jangale, Dr. P. B. Salunkhe, Mr. A. H. Dhumal, Mr. A. B. Kolekar, Mr. S. S. Gaikwad, Mr. S. B. Solepatil, Mr. A. S. Mali, Mr. M. J. Rajale, Mr. K. C. Nikam, Mr. V. M. Bansode, Mr. S. S. Shete, Mrs. KVL Bhuvaneshwary, Mr. G. M. Kerkal, Mr. N. S. Motgi, Mr. Nitesh Kumar, Mr. Krishna Pawale, Mr. Prafulla Nalawade, Mr. Vikas Dive, Mr. Vishal Solapure, Mr. Chetan Pawar, Mrs. Pradnya More attended **AICTE approved FDP** on “**Vibration Measurement and Analysis**” from 04/06/2018 to 10/06/2018

Workshop Attended

- Mr. S. B. Solepatil, Mrs. KVL Bhuvaneshwary, Mr. Vikas Dive, Mrs. Pradnya More attended AICTE approved 1 day “ National Level Manual & Autonomous Robotics Workshop under DY Patil Robotics Club on 26/09/2018 .
- Mrs. Amruta Adwant, Mr. M. J. Rajale attended AICTE approved 1 day “ Workshop on “Syllabus Implementation for Hydraulics and Pneumatics (BE Mechanical – 2015)”at VIIT, Pune on 13/07/2018 .
- Mr. Sharad Kakad attended AICTE approved 5 days “ Workshop on “ International Workshop on Industrial Tribology “at Amrutvahini COE Mech Dept Sangamner from 15/01/2019 to 19/01/2019 .

Trainings/ STTP Attended

Mrs. Amruta Adwant, Mr. Y. N. Jangale, Mr. S. B. Solepatil, Mr. S. G. Khedkar, Mr. V. M. Bansode, Mr. Chetan Pawar, Mr. S. S. Shete, Mrs. KVL Bhuvaneshwary, Mr. N. S. Motgi, Mr. Kulkarni Paresh, Mr. M. J. Rajale, Mrs. Pradnya More attended AICTE approved STTP on “Outcome Based Education – An Effective Teaching Learning Practice & assessment” from 11/06/2018 to 16/6/2018

MOUs

- Department of Mechanical Engineering has MoU with Elevation Academy Pune make collaborative efforts for establishment of centre of excellence at our institute and to arrange guest lectures on engineering topics, carry out sponsored research projects, utilize resources from industries and arrange technical ability sessions to improve student employability from 08/08/2018.

MOUs

- Department of Mechanical Engineering has MoU with Symmetric Technology Pune for collaborative efforts for establishment of centre of excellence at our institute. To provide training and for students and faculty members. To provide research projects for students from 28/11/2018.
- Department of Mechanical Engineering has MoU with Innovative IFS Academy for use research facilities for development of students, to motivate the students to participate in Section level, Chapter level and National Level conferences and events from 12/12/2018 .
- Department of Mechanical Engineering has MoU with Divya Enterprises to organize training programs, Industrial visits, expert lectures for the students and for students and faculty members. To provide research projects for students from 07/10/2018

Research Proposals

- Mr. Vikas Dive got research grant sanction of Rs.10,00000/- from ISRO for Academic Year 2018-2019 for the project “Development of a NDT Technique for Through Thickness Measurement of Non Uniform Residual Stresses in Metallic Materials”.
- Mr. Vikas Dive got research grant sanction of Rs.10,00000/- from ISRO for Academic Year 2018-2019 for the project “Development of coating/manufacturing technology for friction stir welding tool for welding of 3mm thick stainless steel sheets “.

Patents filed by faculty

- Dr. Promod B. Salunkhe ,Mr. Amol H. Dhumal and Mr. Krishana T. Pawale filed a patent on A Solar Space Heating System having file no. 201821014102

Faculty publications in Journals

- Ganesh M. Kerkal published paper on production of biogas by floating drum mechanism and using it in c.i. engine to determine the performance characteristics of engine in dual fuel in Journal of Emerging Technologies and Innovative Research Volume 6, ISSN No 23495162.
- Mr. Sharad R. Kakad published paper on Design of Trash Cleaning Machine in Journal of Emerging Technologies and Innovative Research Volume 6, ISSN No 2349-5162
- Keval C. Nikam published paper on Exoskeleton Arm with Pneumatic Muscle Actuation in Research Review International Journal of Multidisciplinary Volume 4, ISSN No 2455-3085.
- Mr. Sharad R. Kakad published paper on Sequential Operations and Discharge Mechanisms of Rotary Vacuum Drum Filter in Journal of Emerging Technologies and Innovative Research Volume 6, ISSN No 2349-5162
- Mr. F. Z. Pathan , Dr. S. S. Kore, and Dr. S. G. Damhare published paper on Diesel Engine Performance & Emission Characteristic Enhancement using TOPSIS in International Journal of Advanced Technology & Engineering Exploration Volume 6, ISSN No 2394-7454
- Mr. F. Z. Pathan , Dr. S. G. Damhare published paper on Design & Optimization of Intake system for Formula student Vehicle in Journal of Emerging Technology & Innovative research Volume 6, ISSN No 2349-5162 , 2349-5163.
- Dr. S. G. Damhare and Mr. F. Z. Pathan published paper on A Selection of operating condition of AISI 4140 Steel for tribological Properties in Journal of Emerging Technology & Innovative research Volume 6, ISSN No 2349-5165
- Dr S S kore published paper on Experimental investigation on thermo-physical characteristics of fluid flow in circular tube enhanced with circular rings with different arrangements in International Journal of Ambient Energy ISSN No 2162-8246
- Mrs.K.V.L. Bhuvaneshwary published paper on CFD Simulation of Methane Optimization at different Slurry Temperature and for different Number of Baffle Plates in Fixed Dome Shaped Digester for Optimum Methane Production in RESEARCH REVIEW International Journal of Multidisciplinary, Volume 3, ISSN 2455-3085.
- Mr. Keval Nikam published paper on Status of carbon capture and storage in India's coal fired power plants: A critical review in Journal Environmental Technology & Innovation , Volume 13, ISSN No 2352-1864
- Mr. Aniket Kolekar published paper on Status of carbon capture and storage in India's coal fired power plants: A critical review in RESEARCH REVIEW International Journal of Multidisciplinary, Volume 3, ISSN 2455-3085.
- Mrs.K.V.L. Bhuvaneshwary published paper on Analysis of Exhaust Gas Emission using Calophyllum Inophyllum Biodiesel in CI Engine with Variation in Load and Compression Ratio in RESEARCH REVIEW International Journal of Multidisciplinary, Volume 3, ISSN 2455-3085.

- Mr. Aniket Kolekar published paper on Design and Fabrication of Automatic Seed Sowing Machine A critical review in RESEARCH REVIEW International Journal of Multidisciplinary, Volume 3, ISSN 2455-3085.

- Ms. Pradnya More published paper on CFD Simulation of Methane Optimization at different Slurry Temperature and for different Number of Baffle Plates in Fixed Dome Shaped Digester for Optimum

Methane Production in RESEARCH REVIEW

International Journal of Multidisciplinary, Volume 3, ISSN 2455-3085.

- Ms. Pradnya More published paper on Analysis of Exhaust Gas Emission using Calophyllum Inophyllum Biodiesel in CI Engine with Variation in Load and Compression Ratio in RESEARCH REVIEW International Journal of Multidisciplinary, Volume 3, ISSN 2455-3085.

Conference Publications

- Mr. Shekhar Khedkar and Mr Manoj Rajale published paper on Experimental Analysis of Oblique Fin Heat Exchanger for Replacement of Radiator in Automobile in International conference on innovation in thermal, design, materials and manufacturing engineering (ITD-MME-2018)

- Mr. Sharad Kakad published paper on Mathematical Modeling & Analysis of Brake Pad for Wear Characteristics in International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)

- Mr. Sharad Kakad published paper on Mathematical Modeling & Analysis of Brake Pad for Wear Characteristics in National Conference on Sustainable Development in Mechanical Engineering

- Pramod Salunkhe published paper on Flow characteristics studies over a straight wing model in 5th International Conference on Experimental Fluid Mechanics

- Pramod Salunkhe published paper on Measurement of Variation in Specific Heat of Sodium Acetate Trihydrate I in Recent Trends in Mechanical Engineering

Book / Book Chapter Publications

- Dr. S.G.Dambhare and Firoz Pathan Published a chapter on the topic Advances in Intelligent Systems and Computing published by Springer in the Year 2018.

Ph.D. Guided

- Dr. S.S.Kore Guided three Ph D students as Adhik Patil , Yogesh Bhatt and Atul More in SPPU ,the area of research is Heat Transfer.

Interaction with outside world:

- Mr. S. S. Kore worked as Research Committe member of Ph. D. Exam committee at Symboisis Inst. of Tech, Pune.
- Mr Dr. Sunil Dambare worked as Reviewer at Mech PGCON.
- Mr. S. S. Kore worked as Reviewer at Mech PGCON.
- Mr. P.B.Salunkhe faculty worked as Reviewers for International/National Journal .
- Dr.S S Kore worked as Subject Chairman of SPPU Exam committee.
- Dr. Sunil Dambare worked as Subject Chairman of SPPU Exam committee.

Invited Talks/Judge/Resource

- Mr. S. S. Kore worked as Research Committe member of Ph. D. Exam committee at Symboisis Inst. of Tech, Pune.
- Mr. P. B. Salunkhe faculty worked as Reviewers for International/National Journal .
- Mr. Pathan F Z invited as a Resource person for FEA Subject held at Navsahyadri COE
- Mr. Manoj Rajale was invited as Expert Lecturer for Programmable Logic Controller at DYPIEMR,E&TC DEPARTMENT
- Mr. Pathan F Z invited as a Resource person for FEA Subject held DYPIEMR Civil Department

PhD Registration:

- Mr. Vikas Dive has registered for Ph. D in Mechanical Engineering at the research centre “PCCOE”, in the area of Pune
- Mr. Sandesh Solepatil has registered for Ph. D in Mechanical Engineering at the research centre “PCCOE”, in the area of Pune
- Mr. Monoj Rajale has registered for Ph. D in Mechanical Engineering at the research centre “KL University”, in the area of Vijaywada Andhrapradesh
- Mr. Aniket Kolekar has registered for Ph. D in Mechanical Engineering at the research centre “COEP”, in the area of Pune
- Mr. Keval Nikam has registered for Ph. D in Mechanical Engineering at the research centre “Centre for Research Degree Programmes, Lovely Professional University”, in the area of Punjab
- Mr. Amol Mali has registered for Ph. D in Mechanical Engineering at the research centre “COEP in the area of Pune
- Mrs. Pradnya Mahale has registered for Ph. D in Mechanical Engineering at the research centre “JJT University”, in the area of Rajasthan
- Mr. Firoz Pathan has registered for Ph. D in Mechanical Engineering at the research centre “BITS PILANI”, in the area of Goa
- Mr. Ganesh Kerkal has registered for Ph. D in Mechanical Engineering at the research centre “VIT”, in the area of Bhopal.

Training and Placement

T & P Activities

Department events or initiatives related to T&P with details and photos

- Training Placement activity BE Mech 2018-19
- Day : Monday & Tuesday
- Date : 04/02/2019 & 05/02/2019
- Time : 9.00 AM to 5:00 PM

Highlights of the Training Session

In view of placement activities, sessions on enhancement of technical abilities, group discussions and personal Interview were conducted for BE Mechanical Engineering students on 4th & 5th Feb. 2019 in Class room No.9 from 9 a.m. to 5p.m. Eligible students participated in these sessions. Session Photographs, Student attendance, feedbacks and office orders are attached herewith. Various aspects of group discussion and personal interviews were also discussed in the session.



Placement details

Sr No	Year	Number of students placed	Package (LPA)	Name of the Company
1	2018-19	03	3.36	TCS
2	2018-19	1	2.50	Technovance
3	2018-19	1	3.6	Infosys
4	2018-19	1	3.5	Kone Cranes
5	2018-19	1	2.16	Minda
6	2018-19	4	3.1	Deepak Fertilizer
7	2018-19	5	3.6	Electromech Material Handling System(l) pvt ltd
8	2018-19	5	2.15	Amazon

Industrial visits /Tours

INDUSTRIAL VISIT REPORT

1). DATE: 14th April 2019

VENUE: Pune Zillha Sahakari Dudh Utpadak Sangh Limited, Katraj, Pune -411046

COURSE FACULTY: Dr. S. S. Kore, Mr. K. T. Pawale, Mr. G. M. Kerkal

GUIDE AT VENUE: Mrs. Raut

NO. OF STUDENTS: 200

A complete report based on INDUSTRIAL VISIT organized by mechanical Engineering Department of DYPIEMR, Akurdi. It was conducted especially for the students of 3rd year Mechanical Engineering in order to get practical exposure and to let them having overview activities related to Refrigeration & Air conditioning & Cold Room, NH3 Vapor Compression Refrigeration system.

OVERVIEW OF VISIT:

DYPIEMR had organizes a visit on 14th April 2019 to Pune Zillha Sahakari Dudh Utpadak Sangh Limited, Katraj, Pune to study the working of Refrigeration & Air conditioning & Cold Room, NH3 Vapor Compression Refrigeration system.

OBJECTIVE OF VISIT:

The visit was carried out under subject of Refrigeration & Air conditioning to understand the working of Cold Room, NH3 Vapor Compression Refrigeration system.



2).DATE: 8th and 9th February 2019
 VENUE: Sewage Treatment Plant on Combiteat ISBR
 COURSE FACULTY: Mr. Chetan Pawar , Mr. Sushil Gaikwad
 GUIDE AT VENUE: Mrs. Raut
 NO. OF STUDENTS: 200

Combiteat I-SBR i.e. Improved-

Sequential Batch Reactor was chosen from a myriad of other processes due to its unique characteristics. It has a minimal land requirement which makes it the best fit in any type of environment, including densely populated urban areas. The process is fully automated and delivers outlet water that exhibits excellent pollutant removal and with final contaminant levels much lesser than those prescribed by Maharashtra Pollution Control Board (MPCB).

The unique feature of this technology is a combination of both aerobic and anaerobic processes which provides a condition that is conducive for microbial growth. As a result, more organic content and suspended solids are removed than other existing methods. Moreover, this process successfully removes dissolved nutrients like nitrates and phosphorous. The outlet water characteristics are well within the ranges prescribed by MPCB.

This technology not only saves energy, but also generates electricity. This is achieved through the use of Hydrostatic Head (Hydro-electricity) and Methane/ Biogas Combustion. Hydrostatic Head is available through methodical process and detailed engineering design. Methane is produced during various anaerobic processes encountered during the course of treatment. Combination of both Methane based electricity and hydro-electricity makes the plant almost self-reliant with 80% of required electricity being produced by itself



View of Plant Layout



View of Combitreat-ISBR



View of Decant-Fill Cycle



View of Aerate Cycle

Students Association

Mechanical Engineering Students' Association (MESA)

Mechanical Engineering Students Association (MESA) is an organization which comprises of Mechanical Engineering program. The aim of the organization is to motivate the students to organize, to coordinate & to participate in Co-curricular activities and Extra Curricular activities along with their regular activities

Sr No	Name of student	Post
1	Prof. K.M.Narkar	Head of Department
2	Mr.Sandesh Solepatil, Mr.Vishwanath Solapure & Mr.krishna Pawale	Faculty Advisors
3	Mr.Gaurav Wadikar	Vice President
4	Mr. Vaishnav Ghadage	Cultural Coordinator
5	Mr.Ashish Naidu	Technical Coordinator:
6	Mr.Siddhesh Patil	Sports Coordiantor:

EVENTS ORGANIZED WITH PHOTOS

1.Event Name :ARCADIA 2K19

Date of Conduction : 10th & 14th February, 2019

Brief Description :

Aim: The aim of Co-curricular activities is all round development of student parallel with academics.

Objective:

1. Develop within the student the determination and dedication necessary to complete his/her chosen goals.
2. Develop a willingness to place the good of the group before the desires of the individual.
3. Provide opportunities to exemplify and observe good sportsmanship while

teaching participants that negative actions may result in consequences. Provide competitive opportunities for students.

Outcome:

1. Overall Personality,
2. Self Confidence,
3. Specialized skills,
4. Greater Opportunities,
5. Sense of Responsibility
6. Exposure to New Activities



CAD – War: Judges explaining rules to participants



CAD – War- Co-ordinator clearing doubts of participants

2.Event Name : Junk Machines

Date of Conduction : 10th & 14th February, 2019



1.ISTE

Sr.No	Name of activity	Membership Number	No. of Members
1	Institutional Membership	IM-2567	
2	Student chapter	MH-240 124	124

EVENTS ORGANIZED WITH PHOTOS

Event Name : “3D Printing: Design & Manufacturing”

Date of Conduction : 27/09/2018

Brief Description

Objectives

The growing implementation of 3D printing naturally extends down to education where students can learn the technology of their future which was helpful for students as future engineers, technocrats, innovators.

Description

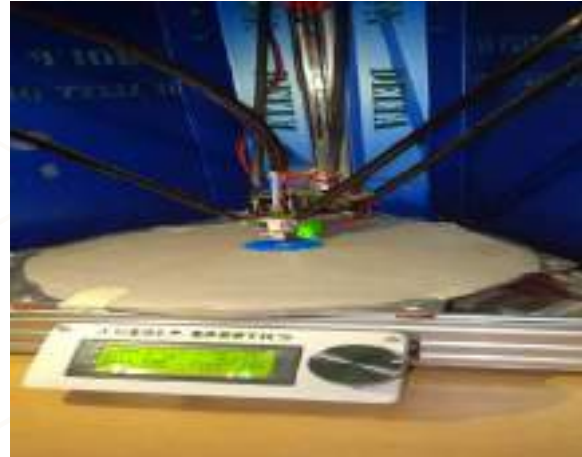
In today's world of Mechanical Engineering the applications of 3D printing are very useful for research and development of various components ranging from simple structures used in everyday life to complicated components in aerospace applications. 3D printing provides many advantages few are simplicity, reliability and precision etc. This makes it one of the most widely used for making components which can be used as concept components. 3D printing is the most widely used additive manufacturing processes in the current industry not only limited to engineering.

Outcome

Student able to

- Understand the concept of Rapid Prototyping (3D printing) as current industrial scenario.
- Understand difference between additive manufacturing and traditional manufacturing methods.
- Design & Manufacture 3D printing part models.

Glimpse of the 3D Printing: Design & Manufacturing



Guest Lectures (for Students)

1.Title : Design and development of Gear Train

- Date-13/10/2018
- Name of Resource Person- Mr.Utkasth Kothari
- Name of Faculty Coordinator -Mr.Amol S.Mali & Mr.Sushil Gaikwad
- Venue- Theory of Machine LAB
- Objectives- To design New gearbox by using various gear parameters

To analyze various loading conditions of Gearbox

To Study the failure of gearbox.

Familiarize students with the components of gearbox

• Description- A gearbox is the system of gears in an engine or vehicle.The gear box is the second element of the power train in an automobile. It is used to change the speed and torque of vehicle according to variety of road and load condition. A gear box changes the engine speed into torque when climbing hills and when the vehicle required. Sometimes it is known as torque converter

- Outcome - Students will identify design parameters of gearbox
Students will generate Idea of New design of gearbox
- No. of Students Benefited TE A 48

Glimpse of the Lecture



2.Title : Pneumatics

- Date-25/09/2018
- Name of Resource Person- Mr. Mandar Puranik
- Name of Faculty Coordinator - Mr.Amol S.Mali & Mr.Sushil Gaikwad, Mr.Manoj Rajale
- Venue- Seminar Hall –II ,DYPIEMR, Akurdi
- Objectives- Study principle of operation of Pneumatic control circuits, its design and analysis of pneumatic circuits for different industrial applications
- Description- Importance of learning pneumatics and its scope with industrial applications, ISO symbols and it meaning, Selection of components for different applications
- Outcome- Students will understand principle of operation of Pneumatic control circuits and select actuators and control components for given applications.
- No. of Students Benefited BE-142

Glimpse of the Lecture



3.Title : Career in CAD/CAE

- Date-18/09/2017
- Name of Resource Person- Venus Technology
- Name of Faculty Coordinator - Mrs.Amruta Adwant and Team
- Venue- Seminar Hall -II ,DYPIEMR, Akurdi
- Objectives- Career Pathway Planning Further Education Planning
- Description- From this guest lecture 47 students are benefited ,they are able to select career in CAD/CAE, India's leading (ISO 9001:2015 Certified) solution provider company for major OEM's provides TATA TECHNOLOGIES'S certified Catia V5 corporate and educational training on CAD CAM CAE Tool Design. We, Venus Technology have maintained our brand name by providing powerful and cost effective works of visual communications with consistent quality.
- Outcome : Student understand the importance of CAD software and the opportunities related to CAD.
- No. of Students Benefited SE-47

Glimpse of the Lecture



4.Title : Product Design And Modeling

- Date-10/09/2018
- Name of Resource Person- Mr. Pranav Ekhande Senior Executives Opulent Technology Pvt Ltd,Pune
- Name of Faculty Coordinator - Mr.Amol S.Mali & Vaibhav Phalak
- Venue- Seminar Hall -II ,DYPIEMR, Akurdi
- Objectives- To discover the feasibility of the production oproduct. To develop qualities and characteristics of products.

To develop different models and designs of products

- Description- This product development and modeling will provide students with solid technical skills on different methods and technologies for the production of three-dimensional computer-generated visualizations for the presentation, interpretation, and dissemination of historical and archaeological datasets
- Outcome - Students will identify the scope and true nature of the problem
Students will generate Idea of Product Development and Modeling
- No. of Students Benefited - 100

Glimpse of the Lecture



5.Title : Energy Conservation

- Date-12/09/2018
- Name of Resource Person- Mr. Achyut Godbole
- Name of Faculty Coordinator - Mr.Amol S.Mali & Mr.Sushil Gaikwad
- Venue- Seminar Hall -II ,DYPIEMR, Akurdi
- Objectives- To create awareness of energy conservation among students.

To familiarize with the industrial energy Audit procedure.

- Description - India has approximately 1% of world's energy resources but it has 16% of world population. We save the country a lot of money when we save energy
- About 75 per cent of our crude oil needs are met from imports which would cost about Rs.1, 50,000 crore a year Energy saved is energy generated - When we save one unit of energy, it is equivalent to 2 units of energy produced.
- Outcome - Students should be able to carry out energy audit Students will generate Idea of Product Development and Modeling
- No. of Students Benefited - BE (73 Students)

Glimpse of the Lecture



6. Title : Awareness about Non Destructive Testing

- Date-11/08/2018
- Name of Resource Person- Mr. Ravi Kakade Government College of Engineering and Research, Avasari
- Name of Faculty Coordinator - Mr.Amol S.Mali & Mr.Sushil Gaikwad
- Venue- Seminar Hall –II ,DYPIEMR, Akurdi
- Objectives- Student will be able to understand and determine mechanical properties using Destructive and Nondestructive testing of materials
- Description- A seminar on “One day training workshop/programme of Non Destructive Testing (NDT)” was organized on 11/08/2018 from 09 a.m. to 12 noon in Seminar hall by Mechanical Engineering Department for Second Year Mechanical and Chemical Engineering students.
- Outcome - Students can select and perform the appropriate NDT method
- No. of Students Benefited - SE-94

Glimpse of the Lecture



7. Title : Career opportunities after GATE & IES

- Date-11/08/2018
- Name of Resource Person – Mr. Ravi Kakade Government College of Engineering and Research, Avasari
- Name of Faculty Coordinator – Mr.Amol S.Mali & Mr.Sushil Gaikwad
- Venue- Seminar Hall –II ,DYPIEMR, Akurdi
- Objectives – Student will be able to understand and determine mechanical properties using Destructive and Nondestructive testing of materials
- Description – A seminar on “One day training workshop/programme of Non Destructive Testing (NDT)” was organized on 11/08/2018 from 09 a.m. to 12 noon in Seminar hall by Mechanical Engineering Department for Second Year Mechanical and Chemical Engineering students.
- Outcome – Students can select and perform the appropriate NDT method
- No. of Students Benefited – SE-94

Glimpse of the Lecture



8. Title : CAD Design and its importance in Industry

- Date-30/06/2018
- Name of Resource Person- Mr. Vineet Kadam 3D PLM
- Name of Faculty Coordinator – Mr.Amol S.Mali & Mr.Sushil Gaikwad
- Venue- Seminar Hall –II ,DYPIEMR,Akurdi
- Objectives- To make students familiar with Computer Aided Design
To create awareness among the students about Design Software
To make students aware about the use of CAD an its importance
- Description- Students were made aware of the importance of CAD in industry and also career opportunities available after completion of Engineering
- Outcome – Students will apply the knowledge obtained in guest lecture

Students will use CAD software effectively which will be useful for their career

- No. of Students Benefited – SE-60

Glimpse of the Lecture



Student Achievements

STUDENTS PATENTS

1. Mr. Sudhanshu Tiwari filed a patent on Improvement in Productivity of Lapping operation by using simple lapping machine on 22/03/2018, patent number is 201821010579.
2. Mr. Ayush Agrawal filed a patent on Electricity Generating Device from Waste heat of Gas stove on 20/04/2018, patent number is 201821005138.

STUDENT PUBLICATIONS

- Pranay D. Deshmukh, Shraddha M Gugale, Shubham R. Bankar, Sumit S. Ithape published paper on Parabolic Trough Solar Collector in the journal 2nd ICETSET 2018 Organised by Maharashtra Chamber of Commerce, Industries and Agriculture, Pune, ISSN No 978-93-87793-46-0
- Paras V. Chambare and Prof. Vishal Bansode published paper on Effect of Cryogenic Treatment on Various Tool Steels: a Review in IJSART Journal, Volume 4, Issue 7 July-2018, ISSN No. 2395-1052
- Sandip Waghmare, Dpik Gawari, Ram Sanap, Manoj Bhete published paper on Design and Fabrication of Automatic Seed Sowing Machine in the journal RRJ, Volume 3 Issue 12 Dec 2018, ISSN No. 2455-3085
- Harish Pawar, Rakesh Gupta, Yogesh Bhosale, Naresh Mahajan

published paper on Exoskeleton Arm With Pneumatic Muscle Actuation in the journal RRJ , Volume 4 Issue 5 May 2019, ISSN No. 2455-3085

- Gian C Singhal, Shubham M. Padole, Omkar C Mahakal, Sanket B Tawhare, Shubham D. Arote published paper on Sequential Operations and Discharge Mechanisms of Rotary Vacuum Drum Filter in the journal JETIR, Volume 6 Issue 4 April 2019, ISSN No. 2349-5162

- Gian C Singhal, Shubham M. Padole, Omkar C Mahakal, Sanket B Tawhare, Shubham D. Arote published paper on Sequential Operations and Discharge Mechanisms of Rotary Vacuum Drum Filter in the journal 2nd ICIIST, Organised by SKNCOE Vadgaon Bk. Pune 41.

- Sunil Rathod, Akshay Khamkar, Subrato Banerjee, Manjit Punia published paper on Design and Fabrication of Simultaneous Heating and Cooling in VCR System using R134A Refrigerant Volume 6 Issue 5 May 2019 , ISSN No 2395-0072.

- Rucha Satyanna Pradnya Mahale, Akhil Vijayan, Prasad Kumbhar published paper on Optimization of progressive die in the journal IJARIT , Volume-5, Issue-3-May -June,2019, ISSN No. 2454-132X

Social Concern/ activities

1.] Department organized visit to Orphanage Nachiket Balashram on Thursday, 06/10/2018 at. More than 50 students of participated in the social program.

Report of visit to Nachiket Balashram

Day & Date: Thursday, 06/10/2018

Time: 12:30 pm to 2:30 pm.

The visit at Nachiket Balashram was organized on 6th October 2018. The purpose of visit is to celebrate Jayesh's birthday. Firstly we have all formal activity of permission to visit. Mrs. Kamble mam helps us to guide and gives all necessary information.

The visit is arranged by Mrs. Pradnya Mahale (coordinator), Mechanical Engineering Department and along with some faculties from department have attended the same.

Nachiket Balashram established in 2001 and now there are more than 100 students are studying. Our Institute consistently looks after of our students i.e. Swati & Jayesh. We have visited their classroom, discussed with students and faculty also. We bring Fruits (Apples) for all the students and arranged Lunch for them by taking permission from their office. Faculties and students both feel very glad to visit this ashram. We are satisfied with work and service in ashram. We are very thankful to the institute for such great opportunity.



Glimpse of the visit to Orphanage Nachiket Balashram

Civil Engineering Department

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

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Civil Engineering principles to the solution of complex problems in Civil Engineering.

PO2: Problem analysis: Identify, formulate, research literature, and analyze complex Civil Engineering problems reaching substantiated conclusions using first principles of mathematics and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex Civil Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions related to Civil Engineering problems.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering tools such as CAD, FEM and GIS including prediction and modeling to complex Civil Engineering activities with an understanding of the limitations.

PO6: 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 Civil Engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional Civil Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Civil Engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

PO10: Communication: Communicate effectively on complex Civil Engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make

effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage Civil Engineering projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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.

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	34.7	96.36
2	TE	45.5	96.43
3	BE	60.2	96.64

Highlights of Academic Excellence in SPPU Examination for Semester -I 2018-19

SEM-I

Sr.No	Student Name	Class	SGPA
1	Mayank Gadiya	BE	9.82
2	Abhijeet Inzalkar		9.41
3	Rohan Naik		9.27
4	Mashalkar Shubhashree Shivraj	TE	9.22
5	Salunke Pratiksha Bhagwat		8.78
6	Bharkad Prasad		8.74
7	Rohada Muskan	SE	9.12
8	Jangde Prachi		9.04
9	Akash Rathod		8.92

SEM II

Sr.No	Student Name	Class	SGPA
1	Mr. Mayank Gadiya	BE	9.50
2	Mr. Abhijeet Inzalkar		9.45
3	Mr. Akshay Kadam		9.34
4	Mashalkar Shubhashree Shivraj	TE	9.04
5	Bhole Shital Satish		8.70
6	Chaudhary Pranjali Prakash		8.59
7	Rohada Muskan	SE	8.90
8	Shringarpure Dhruv		8.84
9	Jangde Prachi		8.74

SDP Organized

The ISTE APPROVED ONE WEEK SKILL DEVELOPMENT PROGRAM ON “SUSTAINABLE MATERIALS USED IN CONSTRUCTION” was organized by DEPARTMENT OF CIVIL ENGINEERING on from 11th to 15th June.

Resource Person:

- Dr. J. D. Bapat
- Dr. Shrikar Dole
- Dr. Santosh M. Murnal
- Dr. Santosh M. Malkapur
- Dr. R. K. Jain
- Er. Pravin Rangnath Mehetre
- Ar. Rupali Borhade
- Prof. Dr. Madhukar Ramchandra Wakchaure



Dr. J. D. Bapat sir with participants of program



Dr. R. K. Jain delivering lecture on “Smart Highways”

Beneficiary: Faculties, Students of Civil Engineering Department, head of departments,

Practitioners from civil industries, Faculty Participants from various institutions.

Coordinator: Dr. Parameshwar Hiremath & Mr. Sachin Nalawde

Objectives of Session:

1. To recognize the sustainable materials used in construction
2. To make use of mineral admixture as building materials in construction
3. To observe the behavior of sustainable smart materials in traditional mix.
4. To discuss the alternative sustainable materials availability and use for making of concrete

FDP Attended

- Mr. Shree Kamble, Mr. M. A. Shinde, Mr. R. S. Sabale, Ms. Priyanka Jawale, Mr. Rohit Deshmukh, Ms. Tejashri Gulve, Ms. Vaishnavi Battul, Ms. Aavani P, Mr. Sainand Khot, Mr. Rohit Shinde, Mr. Shivkumar Hallale, Mr. Amol More attended Sustainable Materials used in Construction on 11/06/2018 to 15/06/2018 at Department of Civil Engineering, DYPIEMR, Akurdi

- Ms. A. P. Kulkarni and Mr. Mithun K. Sawant attended Foundation Program in ICT for Education on 08/03/2018 TO 12/04/2018 at IIT Bombay

- Ms.Kavita Bhurke, Mr.Onkar Chothé and Mr. Kishan Miskin attended Plumbing system design on 30-7-2018 TO 6-08-2018 at Dr.D.Y. Patil college of engineering , Akurdi, Pune.
- Ms.Vaishnavi Battul attended Vibration Measurement & Analysis on 04/06/2018 to 09/06/2018 at Department of Mechanical Engineering, DYPIEMR, Akurdi

FDP Attended

- Mr.Mithun K Sawant, Ms.Tejaswari Gulve and Ms.Vaishnavi Battul attended Industrial Practices in Civil Engineering (IPCE III-2018) on 25/04/2018 to 27/04/2018 at Department of Civil Engineering, ICOER, Wagholi
- Ms.Kavita bhurke and Mr.Chothé Onkar K. attended advanced in concrete and concrete technology on 28/09/2018 at MIT college of engineering, Pune.
- Ms.Vaishnavi Battul and Mr. Shivkumar Hallale attended Design of PT Flat Slabs & Introduction to Vibration and Earthquake Analysis on 28/07/2018 at Department of Civil Engineering, Sinhgad College of Engineering
- Ms. Vaishnavi Battul attended Recycling & Waste Expo on 17/08/2018 to 19/08/2018 at Autocluster Exhibition Centre, Chinchwad
- Ms. Vaishnavi Battul attended Energy for Sustainable Development on 29/09/2018 at DYPCOE, Akurdi
- Mr.Rohit Deshmukh, Mr.Kishan Miskin, Mr.Mithun K Sawant, Mr.Shivkumar Hallale, Ms. Vaishnavi Battul, Ms.A.P.Kulkarni and Mr.Mithun K Sawant attended Structural Audit in Civil Engineering on 01/03/2019 to 02/03/2019 at DYPE&T Ambi Talegaon
- Mr.Rohit Deshmukh attended Effective Teaching Methodology for Engineering Mechanics on 03/01/2019 to 05/01/2019 at PCCOE Akurdi
- Ms.Priyanka Jawale and Ms.Tejaswari Gulve attended Research Methodology, Indian Patent Drafting and Filing Procedure on 11/1/2019 to 12/1/2019 at JSPM's Imperial College of Engineering and Research, Wagholi, Pune
- Mr.Gorde Pravin, Mr.Kishan Miskin and Mr.Chothé Onkar K. and Mr.Mithun K Sawant attended Recent Advances in Remote Sensing and satellite image processing on 8/2/2019 to 9/2/2019 at JSPM's RSCOE Tathawade, Pune
- Mr.Kishan Miskin attended Future in Concrete Technology on 15-2-2019 to 16-2-2019 at PCCOE Akurdi
- Mr.Shree Kamble, Ms.Kavita Bhurke, Ms.Vaishnavi Battul and Ms.A.P.Kulkarni attended recent trends in civil engineering for sustainable development on 25/02/2019 to 26/02/2019 at DYPSOE, LOHEGAON
- Ms.Kavita Bhurke attended Effective Use Of Google Tools In Teaching And Research Method on 21/12/2018 to 22/12/2018 at DYP-IMCAM, AKURDI
- Mr.Chothé Onkar K. attended Surface water and ground water resources of western region of India on 10/1/2019 to 11/01/2019 at SPPU
- Mr.Chothé Onkar K. attended Future in Concrete Technology on 15/02/2019 to 16/02/2019 at PCCOE Akurdi

Trainings/ STTP Attended

- Mr. Shree Kamble, Mr.Mithun K Sawant and Ms.A P Kulkarni attended Advances in Wastewater Treatment on 28/05/2018 to 02/06/2018 at Department of Chemical Engineering, DYPIEMR, Akurdi
- Mr.R S Sabale and Mr. Rohit Shinde attended ISTE approved Short Term Training Program on Innovative Teaching Methodology on 28/05/2018 to 1/06/2018 at PVPIT Budhgaon Sangli
- Ms.kavita bhurke attended Plumbing system design on 30/07/2018 to 06/08/2018 at Dr.D.Y. Patil college of engineering , Akurdi, Pune.
- Ms.Vaishnavi Battul attended Outcome Based Education- An Effective Teaching Learning Practice & Assessment on 11/06/2018 to 16/06/2018 at DYPCOE Akurdi

MOUs

- Department of Civil Engineering has MoU with Environmental conservation association for make collaborative efforts for establishment of centre of excellence at our institute. To provide training and for students and faculty members. To provide research projects for students from 01/06/2018.
- Department of Civil Engineering has MoU with Vishweshwarayya Skill Training Academy Pvt. Ltd. for arrange various guest lectures, carried out sponsored research projects in various industries, organized industrial visits to various reputed industries, utilized their recourses and lab facilities from 06/12/2018.
- Department of Civil Engineering has MoU with Innovative Consultancy Services for use research facilities for development of students, to organize carrier counselling lectures for students at our institute from 07/12/2018.
- Department of Civil Engineering has MoU with APEX Consultanats for provide training and for students and faculty members. To provide research projects for students from 23/02/2019.
- Department of Civil Engineering has MoU with Rohan Construction Co. for provide training and for students. To provide research projects for students from 08/03/2019.
- Department of Civil Engineering has MoU with DTK Hydronet solutions for arrange various guest lectures, carried out sponsored research projects in various industries, organized industrial visits to various reputed industries, utilized their recourses and lab facilities from 13/06/2019.
- Department of Civil Engineering has MoU with Polite Associates for provide a exposure to real time civil engineering project through site visit and sharing of expertise from 07/06/2019.
- Department of Civil Engineering has MoU with DENSA BUILCON for provide training and research projects for students along with site visit and Placement of students from 13/06/2019.
- Department of Civil Engineering has MoU with Sector Seven for provide training and research projects for students along with site visit and Placement of students from 13/06/2019
- Department of Civil Engineering has MoU with Monarch Consultant for provide training and research projects for stu

dents along with site visit and Placement of students from 14/06/2019.

- Department of Civil Engineering has MoU with HS Associates for provide training and research projects for students along with site visit and Placement of students from 10/6/2019.

- Department of Civil Engineering has MoU with Priora Water Solutions Pvt. Ltd. for provide training and research projects for students along with site visit and Place-

ment of students from 17/06/2019.

- Department of Civil Engineering has MoU with Patil Associates for provide a exposure to real time civil engineering project through site visit and sharing of expertise from 15/06/2019.

- Department of Civil Engineering has MoU with Nexus Techno Consultants for provide a exposure to real time civil engineering project through site visit and sharing of expertise from 21/02/2019.

Research Proposals

- Ms.Amruta Kulkarni and Mrs.Mithun Sawant got research grant sanction of Rs.100000/- from Savitribai Phule University for Academic Year 2018-2019 for the work entitled "For purchase of office/Lab and Educational Equipment."

Consultancy

Sr. No.	Name of Faculty Member	Title of Project	Name of Funding Agency	Amount Sanctioned	Year
1	Mr. Pravin Gorde	Evaluation of Anganwadi Construction Works of DPC Pune(7) Work Order to carry out Research for the project	Ghokhale Institute of Politics & Economics	Rs.100000/-	2018

Faculty publications in Journals

- Mr. Sachin S Nalawade published paper on Earn value analysis of construction project using primavera p6 in International Journal of Engineering Development and Research Volume 6 Issue 42321-9939

- Mr. Mithun K Sawant published paper on Effect of Fiber Reinforcement on Blended Concrete Mixes in International Journal of Research in Advent Technology Volume 6 Issue 122321-9637

- Mr. Mithun K Sawant published paper on

Concrete Using Basalt Fibre and Basalt Reinforcement in International Journal of Research in Advent Technology Volume 6 Issue 122321-9637

- Mr. Ranjeet Sabale published paper on Semi Automatic Manhole Cleaner in International Research Journal of Engineering and Technology (IRJET) Vol.5, Issue 11e-ISSN: 2395-0056

- Mr. Ranjeet Sabale published paper on Quality Analysis of Drinking Water:

A Case study of PCMC Pune in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Vol. 6, Issue. 52321-9653

- Mr. Gorde Pravin published paper on Effect of Partial replacement of coarse aggregate and fine aggregate by scrap type rubber a review in International Research Journal of Engineering and Technology vol. 5, issue 122395-0056

- Mr. Sainand Khot published paper on Impact Of Real Estate Regulation And Development Act (RERA): A Review Paper in International Journal of Research and Analytical Reviews (IJRAR) www.ijrar.org Volume 5, Issue 4 (E-ISSN 2348-1269, P-ISSN 2349-5138)

- Mr. Sainand Khot published paper on Analysis of Carbon Footprint – Comparison Study between R.C.C and Green Building in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 6, Issue 12 ISSN No.: 2321-9653

- Mr. Sainand Khot published paper on Design the Parameters of Sustainable Green Building in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 6, Issue 12 ISSN No.: 2321-9653

- Mr. Amol More published paper on 'Embedded Energy' of Dr. D. Y. Patil Institute Of Engineering, Management & Research, Akurdi, Pune in International Research Journal of Engineering and Technology (IRJET) Vol.5, Issue 11 E-ISSN: 2395-0056

- Ms. Aavani P published paper on Flexible Pavement Using Woven Geotextile Reinforcement in International Journal for Research in Advent Technology (IJRAT) vol 6 issue 12 E-ISSN: 2321 - 9637

- Ms. Vaishnavi Battul, Tejashri Gulve and Mr. Shivkumar Hallale published

paper on Experimental Investigation On Effect Of Demolished Aggregate in Paving Block in Journal of Emerging Technologies and Innovative Research (JETIR) Vol 5 Issue 7 ISSN-2349-5162

- Mr. Shivkumar Hallale published paper on Application waste plastic & Foundry sand in Concrete Blocks in International Research Journal of Engineering and Technology (IRJET) 2018775-779

- Ms. Priyanka Jawale published paper on Analysis of Water Purification by using Graphene Composite Sand in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Vol. 7, Issue V2321-9653

- Ms. Priyanka Jawale published paper on Micro Hydro Power Generation from Small Water Channel Flow in International Research Journal of Engineering and Technology (IRJET) Vol. 6, Issue 62395-0056

- Ms. Priyanka Jawale published paper on Review on Analysis of Water Distribution Network Using EPANET For Normal Condition in International Journal for Scientific Research and Development (IJSRD) Vol. 6, Issue 22321-0613

- Ms. Priyanka Jawale published paper on Elasto-Plastic Analysis and Field Studies on Coir Geotextile Reinforced Flexible Pavements in Journal of Advances and Scholarly Researches in Allied Education Vol: XV, Issue 22330-7540

- Ms. Priyanka Jawale published paper on Sustainable Use of Resources – Recycling of RMC used Wash Water in Mortar in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Vol. 6, Issue 42321- 9553

- Mr. Rohit S Deshmukh published paper on Use of Bio-coagulants (Moringa olifera, masoor dal, Soyabean Chunk) in water Purification in International Journal of Research and Analytical Reviews Vol 6, Issue 4

- Mr, Rohit S Deshmukh published paper on Post feasibility study of BRTS on Kiwale to Sangavi Phata Route in Pimpri Chinchwad in International Journal of Research and Analytical Reviews Vol 6, Issue 1E-ISSN 2348-1269

- Mr. Rohit S Deshmukh published paper on A review paper on land utilization and transport interaction in International Journal of Science and Research vol 8, issue 6

- Mr. Kishan Miskin published paper on Influence of Graphene Oxide on Cementitious Composites-A Review in International Journal of Technical Innovation in Modern Engineering and Science(IJTIMES) Vol 5 Issue 5E-ISSN 2455-2585

- Mr. Ranjeet Sabale and Ms. Amruta Kulkarni published paper on Experi-

mental study of rapid sand filter with different capping material in Journal of Indian Water Works Association Vol. LI-ISSN: 0970-275X

- Mr Gorde Pravin published paper on Use Of Plastic Coated Aggregates In Road Construction in International journal of civil and structural Engineering Research vol 7, issue 1 ISSN 2348-7607

- Mr Gorde Pravin published paper on Use of Plastic Coated Aggregates in Road Construction in International Research Journal of Engineering and Technology Vol 5, Issue 11E-ISSN: 2395-0056

- Mr Gorde Pravin published paper on Effect of Partial replacement of coarse aggregate and fine aggregate by scrap type rubber: Experimental study in Cetus journal for multidisciplinary research vol 6, issue 6 ISSN no 0975-6876 26

Interaction with outside world:

- Dr. Atul Kolhe worked as Reviewers for International/National Journal of International Journal of Sustainable Built Environment.

- Dr. Atul Kolhe worked as Reviewers for International/National Journal of Journal of Applied Management Science and Engineer

- Dr. Atul Kolhe worked as Editorial Review Board Member of Journal of American Academic Research

- Dr. Atul Kolhe worked as Editorial Review Board Member of Advance in Science, Technology and Engineer System Journal

- Dr. Atul Kolhe worked as Editorial Review Board Member of Blue Eyes Intelligence Engineerig & Science Publication

Invited Talks/Judge/Resource

- Ms. Amruta Kulkarni, Mr. Sachin S Nalawade, Mr.Sainand Khot and Mr. Mayur Shinde invited as a Resource person for Skill Development Program held at Design Innovation Centre, SPPU from 11/06/2018 to 18/06/2018 in the field of Advanced and Innovation Techniques in Geotechnical Engineering Surveying and Fluid Mechanics.
- Ms. Amruta Kulkarni, Mr. Amol More, Mr. Ranjeet Sabale, Mr. Pravin J Gorde, Mr. Mayur Shinde invited as a Resource person for Short Term Training Program held at K J Somaiya College of Science and Commerce, Mumbai University from 06/09/2018 to 12/09/2018 in the field of Advanced and Innovation Techniques in Geotechnical Engineering Surveying and Fluid Mechanics.

PhD Registration:

- Mr. Onkar Chothe has registered for Ph. D in Water Resources at the research centre “Visvesvaraya Technological University”, in the area of Hydrology.
- Mr. M.A.Shinde has registered for Ph. D in Geology at the research centre “National Institute of Hydrology”, in the area of Isotope-Geochemistry and Hydrology.
- Mr.Shree Kamble has registered for Ph. D in Environmental science & Engineering at the research centre “Walchand college of Engineering”, in the area of wastewater treatment.
- Mr.Ranjeet Sable has registered for Ph. D in Environmental Engineering at the research centre “National Institute of Hydrology”, in the area of Surface & Ground Water Hydrology.
- Mr.Rohit Deshmukh has registered for Ph. D in Water Resource Engineering at the research centre “National Institute of Hydrology”, in the area of Irrigation Return Flow.
- Ms.Vaishnavi Battul has registered for Ph. D in Structural Engineering at the research centre “Vellore Institute of Technology”, in the area of Seismic Analysis.

Training and Placement

Placement training plays a major role in shaping up the career goals of students. It is the dream of every engineering student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is realized that training is important for engineering students to enhance their employability skills and achieve good placement in companies.

At present, the competition for employment is increasing every day and placement has become a challenging task. Training of students and equipping them with life skills has become an important responsibility of the institution. Along with technical expertise, development of a holistic personality is also necessary. To meet out these requirements, a fully fledged training cell is operating in our college to enhance the capabilities of engineering graduates on par with the industry standards. A special training program was organized to meet the placement need of Econstruct Design & Build Pvt Ltd. Various sessions and tests were conducted meanwhile.

Placement Drive Econstruct Design and Build Pvt Ltd

Following is the schedule of the training for the above said placement drive

Sr. No.	Day & Date	Time	Content	Resource Person
1	Thursday, 28/02/2019	11.00am to 1.30pm	Group Discussion	APPART Training
2		2.30pm to 4.45pm	BIM & Project Management	Mr. Sachin Nalawade
3	Friday, 01/03/2019	9.00am to 11.00am	Structures	Mr. Mithun Sawant
4		11.00am to 1.30pm	Group Discussion	APPART Training
5		4.00pm to 5.00pm	Structures	Mr. Mithun Sawant
6	Monday, 04/03/2019	10.00am to 11.30am	Written test ,results & Discussion	Mr. Sachin Nalawade
7		1.45pm onwards	Mock Interview	Industry Person
8	Monday, 05/03/2019	10.00am to 11.30am	Written test ,results & Discussion	Mr. Mithun Sawant
9		1.45pm onwards	Mock Interview	Industry Person



Students appeared for test post sessions on BIM and Project Management



Session on BIM and Project Management by Mr. S. S. Nalawade

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. Mr. Sainand Khot is co-ordinating TPO activities of the department by conducting various guest lectures on advanced software's in civil engineering, industrial trends etc. Irrespective of the current unpleasing market scenario, our 13 students of A.Y. 2017-18 had placed in core civil engineering companies through campus placements while pursuing degree and many more through off – campus drives

Placement details

Sr.	Name Of Student	Company
1	Chaudhari Komal Kaluram	Lifespace Property Solutions Pvt. Ltd
2	Chaudhari Komal Kaluram	Amazon
3	Gaikwad Rushikesh Ravindra	
4	Yadav Hrishikesh Avinash	
5	Afzal Shaikh	
6	Saransh Gupta	
7	Kamble Nilesh Sanjay	Ubisoft
8	Meher Rushikesh Sharad	Sportstec
9	Meher Rushikesh Sharad	
10	Saransh Gupta	Extramarks
11	Atharv Tayade	Pinclick
12	Mayank Gadiya	Capital Via
13	Chirag Hingad	
14	Siddharth Bhatt	
15	Sidharth Bhat	Iqube
16	Abhijeet Inzalkar	Neilsoft
17	Shreeya Bhuyan	Meticulous Market Reasearch Pvt Ltd

Industrial visits /Tours

Visit 1

Industrial Visit to Gajarai Housing Society, Rupee Nagar, Talawade, Pune for SE students was arranged on 14th July 2018 for the subject of Building Technology & Materials. Students were accompanied by Mr. Rohit Deshmukh & Mr. Mayur Shinde

- Specific Objective of Industrial Visit:

1. To see actual construction activity on site.
2. To relate the knowledge they have gain in lecture time with actual construction site.
3. To observe safety parameters on site.

- Specific Outcome of Industrial Visit:

1. Identify the various component part of building on actual construction site
2. Make use of knowledge of subject on actual construction site.
3. Interpret which safety parameters required for which types of construction activity.



Visit to Gajarai Housing Society, Rupee Nagar, Talawade, Pune

Visit 2

Industrial Visit to Runal Gateway, S. No. 105/1 & 85/2+3+4/2, Kiwale, Pune 412010 for SE students was arranged on 29th and 30th august 2018 for the subject of Building Technology & Materials. Students were accompanied by Mr. Rohit Deshmukh

- Specific Objective of Industrial Visit:

1. To see actual construction activity on site.
2. To relate the knowledge they have gain in lecture time with actual construction site.
3. To observe safety parameters on site.

- Specific Outcome of Industrial Visit:

1. Identify the various component part of building on actual construction site
2. Make use of knowledge of subject on actual construction site.
3. Interpret which safety parameters required for which types of construction activity.



Visit to Runal Gateway, S. No. 105/1 & 85/2+3+4/2, Kiwale, Pune 412010

Visit 3

Industrial Visit to Ellite Space, S. B. Patil College Road, Ravet Pune – 412101 for SE students was arranged on 14th September 2018 for the subject of Building Technology & Materials. Students were accompanied by Mr. Rohit Deshmukh

- Specific Objective of Industrial Visit:

1. To see actual construction activity on site.
2. To relate the knowledge they have gain in lecture time with actual construction site.
3. To observe safety parameters on site.

- Specific Outcome of Industrial Visit:

1. Identify the various component part of building on actual construction site
2. Make use of knowledge of subject on actual construction site.
3. Interpret which safety parameters required for which types of construction activity



Visit to Ellite Space, S. B. Patil College Road, Ravet Pune – 412101

Visit 4

Industrial Visit to “Industrial visit to Bhatghar Dam and its Power House”, Bhatghar Dam on Yelwanti River, Near Bhore, 412206 for TE students was arranged on 28th October 2018 for the subject of Fluid Mechanics – II. Students were accompanied by Ms. Priyanka Jawale, Mr. Ranjeet Sable, Mr. Rohit Shinde

- Specific Objective of Industrial Visit:

1. To study Dam Profile
2. To understand criteria for site selection of dam
3. To study the working of dam gates
4. To study the components of Hydro Power plant
5. To study Pelton Wheel and Francis Turbines.
6. To study the working of Hydro Power Plant.

- Specific Outcome of Industrial Visit:

1. Understand the actual operation of dam gates.
2. Analyse the various components of Hydro Power Plant.
3. Know the working of Hydro Power Plant.
4. Differentiate between Pelton Wheel and Francis Turbines.



Visit to Bhatghar Dam and its Power House

Visit 5

Industrial Visit to 420 MLD Water Treatment Plant at Sector Number 23, Transport Nagar, Nigadi, Pimpri-Chinchwad, Maharashtra 411044 for TE students was arranged on 14th September 2018 for the subject of Environmental Engineering I. Students were accompanied by Mr. Shree Kamble & Mr. Sachin Nalawade.

- Specific Objective of Industrial Visit:

1. To demonstrate the need for treatment of surface waters.
2. To bridge the gap between theoretical concepts and actual practices carried out in water treatment plant.
3. To observe and understand the working of each and every unit of WTP.
4. To introduce Water Supply and Distribution Networks and SCADA.

- Specific Outcome of Industrial Visit

1. To understand the need for treatment of surface waters.
2. Understand the working of each and every unit of WTP.



Visit to 420 MLD Water Treatment Plant at Sector Number 23 nigadi, pune

Visit 6

Industrial Visit to Report Jawaharlal Nehru Port Trust, Mumbai for TE students was arranged on 21st September 2018 for the Infrastructure Engineering & Construction Techniques. Students were accompanied by Mr. Sachin Nalwade, Mr. Amol More, Ms. Tejshree Gulve, Ms. Vishnavi Battul.

- Specific Objective of Industrial Visit:

1. To see operations at terminals like: – vessel side operation, Yard operations etc.
2. To understand the functions of an ICD in port
3. Familiarization of various equipments used in terminals
4. To understand the importance of safety at the terminals
5. To get insights into the operations while loading and unloading the cargo

- Specific Outcome of Industrial Visit:

1. To understand the functions of an ICD in port
2. To understand the importance of safety at the terminals



Visit to Report Jawaharlal Nehru Port Trust, Mumbai

Visit 7

Industrial Visit to 40 Mld Sewage Treatment Plant At Nashikphata, Kasarwadi, Pune for BE students was arranged on 25th and 26th September 2018 for the subject of Environmental Engineering II. Students were accompanied by Mr. SainandKhot ,Mr. Shree Kamble,Mr. Amol More



Visit to 40 Mld Sewage Treatment Plant At Nashikphata, Kasarwadi, Pune

Visit 8

Industrial Visit to Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd. Kasarsai Darumbre, Post Kasarsai, Taluka Mulshi, Dist, Pune. for BE students was arranged on 8th April 2019 for the subject of Air Pollution and Control. Students were accompanied by Mr. SainandKhot ,Mr. Shree Kamble,Mr. Amol More

- Specific Objective of Industrial Visit:
 1. To demonstrate the need for control of gaseous pollutants
 2. To gain knowledge of air pollution control devices used in sugar industry & plume behaviour from the chimneys.
 3. To bridge the gap between theoretical concepts and actual practices with respect to air pollution control equipments.

- Specific Outcome of Industrial Visit

1. To understand the need for control of gaseous pollutants



Visit to Shri Sant Tukaram Sahakari Sakhar Karkhana, Mulshi, Pune

Visit 9

Industrial Visit to Construction of Railway Over Bridge [ROB] 45m Wide Road, wide road Bhakti Shakti to Mukai Chowk near Nisarg Darshan Society. from CH.2/850 TO CH.3/740.

for BE students was arranged on 3rd October 2018 for the subject of Structural design III. Students were accompanied by Mr. Shivkumar Hallale ,Mr. Amol More



Visit to Construction of Railway Over Bridge [ROB] 45m Wide Road, PCMC

Visit 10

Industrial Visit to B G Shirke Precast Unit, B. G. Shirke Construction Technology , Dehu Road , Pune. for BE students was arranged on 3rd October 2018 for the subject of Structural design III. Students were accompanied by Mr. Shivkumar Hallale ,Mr. Amol More, Ms. Vaishnavi Battul.



Visit to B G Shirke Precast Unit, Dehu, Pune

Students Association – CESA

Civil Engineering Student Association was established in July 2017. It is association of students which is run by them for their benefits and development. It provides platform to the students to explore their ideas, innovative thinking by participating in the upcoming events to be conducted under CESA. It also helps to junior students to interact with senior students and exchange their views. In all it is a platform for the students to improve their personality and develop managerial skills which will help them in their professional life in future.

Committee Members

Post	Name
Chairperson	Ms.A.P.Kulkarni
Faculty Co-ordinator	Mr.Rohit Shinde
Faculty Co-ordinator	Ms.Vaishnavi Battul
President	Mr.Shubham Pachling
Vice President	Mr.Abhilash Dixit
Vice President	Mr.Akash More
Secretary	Ms.Dhanashree Tambe
Treasurer	Ms.Nikita Ydav
Treasurer	Mr.Swaraj Sali
Student Member	Ms.Pranjali Choudhari
Student Member	Mr.Aniket Minache
Student Member	Mr.Sail Talwadkar

Events Organized

Event 1

Event Name :Model and Poster Competition

Date of Conduction :29/09/2018

Brief Description :Construction is one of the growing sectors these days. It starts with building materials, soil testing whichever that might be; building materials is the core part of it. We had organized an event model and poster competition which deals with testing of participant's imagination power as well as practical knowledge. In that event we were examined all the posters and models prepared by

participants on various civil engineering topics by juries. Students from SEclass of civil department had participated in it. It had huge response in the form of participation. Following are the details of Poster Presentation event.

Event Photos



CESA Examination by Judges



Examination by Judges Felicitation of Winners

Event 2

Event Name :Quiz Competition And Tender Competition

Date of Conduction :20th Feb, 2019

Brief Description :Besides the academic coaching that they receive from their teachers, guidance and mentoring for soft skills development help them to enhance their skills and develop important aspects of personality, knowledge and soft skills, viz: leadership, team spirit, sense of responsibility and accountability etc. This could be achieved by organizing technical event. These events provide comprehensive counselling and referral services to help students achieve their educational goals, develop healthy relationships. To endorse the development of such multicultural sensitivity, awareness, knowledge, and competence of the students, it was decided to organize Quiz competition and Tender competition. These competitions were organized with an overall view of enhancing the personal and professional skills of the students' and technical qualities.



Glimpses of Quiz Competition And Tender Competition

Guest Lecture 1

Guest Lecture on Awareness to Civil Engineering Practices was organized by civil department on 4th September 2018

Speaker details as Name: Mr. Dhananjay Awate

Designation: Assistant Manager

Beneficiary: SE(A & B) 120 Students

Coordinator: Mr. Rohit Deshmukh

Brief Description: This lecture is based on additional information required when you are working on Construction Site. Also the importance of attending lectures and practical for all lectures and use of that knowledge on actual construction site. The Building, Technology and Material subject and their implementation on Construction site is also discussed at the time of lecture.



Guest Lecture on Awareness to Civil Engineering Practices

Guest Lecture 2

Guest Lecture on Carriers in Construction Industry and Use of Software was organized by civil department on 8th February 2019

Speaker details as Name: Mr. Raghawendra Singh

Designation: Director

Company Name: Innovative Consultancy Services

Beneficiary: TE(A & B) 136 Students

Coordinator: Mr. Mithun Sawant

Brief Description: Construction industry is second largest industry in India as such it demands large resources also it offers many job opportunities. Due to large and complex nature of projects, it becomes essential to make use of software tools. In this guest lecture, same agenda was discussed amidst the civil engineering students.

Seminars (for Students)



Guest Lecture on Carriers in Construction Industry and Use of Software

Guest Lecture 3

Guest Lecture on Shear Strength of soil and Earth Pressure was organized by civil department on 6th October 2018

Speaker details as Name: Mr. Shailendra Banne

Designation: Assistant Professor

College Name: PCCOE, Pune- 411044

Beneficiary: SE(A & B) 120 Students

Coordinator: Mr. Mayur Shinde

Brief Description: The contents of the lecture were;

1. Problems Related to shear strength and Earth Pressure.
2. Practical Application of Geotechnical Engineering in Construction.

Guest Lecture 4

Guest Lecture on Coulomb Wedge Theory and Taylor's Stability Number (Numericals) was organized by civil department on 22nd October 2018

Speaker details as Name: Mr. Shailendra Banne

Designation: Assistant Professor

College Name: PCCOE, Pune- 411044

Beneficiary: SE(A & B) 120 Students

Coordinator: Mr. Mayur Shinde

Brief Description: In this section pupils will learn the following Earth Pressure Theories Rankine's Earth Pressure Theory Active earth pressure Passive earth pressure

sive earth pressure Coulomb's Wedge Theory

The contents of the lecture were;

1. Problems Related to shear strength and Earth Pressure.
2. Practical Application of Geotechnical Engineering in Construction.

Guest Lecture 5

Guest Lecture on Plastic Analysis was organized by civil department on 24th March 2018

Speaker details as Name: Dr. S. R. Parekar

Designation: HOD, Professor

College Name: AISSMS, Pune.

Beneficiary: TE(A & B) 136 Students

Coordinator: Mr. Shivkumar Hallale

Brief Description: In his lecture Mr. S.R. Parekar discussed about Plastic Analysis of Steel Structures and highlighted on Objectives of Plastic Analysis, Method of Analysis, and Application in Designing of Steel Structures. He shared his own experiences while explaining all the topics.



Guest Lecture on Plastic Analysis

Guest Lecture 6

Guest Lecture on Structural Dynamic Analysis of Building was organized by civil department on 15th October 2018

Speaker details as Name: Mr. Vijaykumar Bhusare

Designation: Assistant Professor,

College Name: ICOER, Wagholi- 412207

Beneficiary: SE(A & B) 120 Students

Coordinator: Mr. Shivkumar Hallale

Brief Description: In his lecture Mr. Vijaykumar Bhusare discussed about Building Vibration and highlighted on Objectives of Structural Dynamic Analysis, Method of Analysis, and Application in Earthquake Resistant Building Design. He shared his own experiences while explaining all the topics.



Guest Lecture on Structural Dynamic Analysis of Building

Guest Lecture 7

Guest Lecture on Vastu Shastra was organized by civil department on 31th October 2018

Speaker details as Name: Mr. Shyam Bhosale

Designation: Retired Sr. Executive Engineer, New panvel - 410206.

Beneficiary: TE & BE75 Students

Coordinator: Mr. Shivkumar Hallale

Brief Description: In this lecture Mr. Shyam Bhosale discussed vastu shastra its use and santific aspects.



Guest Lecture on Vastu Shastra

Seminar For Student

Seminar 1

The “Project Management and Tools” was Organized by Civil Department on 20st February 2019

Expert Name: Mr. Shrirang Palande

Designation: Director

Company Name: Smart Services Pmc

No. of Students Attended the guest lecture: 80

Objectives of Session

To recognize the importance of project management tools and demonstrates MSP software

Highlights of Session

1. Introduction to Project Management
2. Discussions of site practices and integration of Project Management
3. Complexity involved in big projects
4. Different parties involved in project
5. Project management tools used in construction industry
6. Demonstration on MSP
7. Question answer sessions amidst student and resource person



Mr. Shrirang Palande delivering session on MSP and Project Management Tools

Seminar 2

The “Entrepreneurial Opportunities for Engineers” was Organized by Civil Department on 20st February 2019

Expert Name: Mr. Rajesh Mahadik

Designation: Business Entrepreneur, CEO

Company Name: Mahadik Associates, Pune

No. of Students Attended the guest lecture: 80

Objectives of Session

To emphasize the importance of Entrepreneurship.

Highlights of Session

- Developing a business plan
- Hiring the human resources

- Acquiring financial and material resources
- Providing leadership
- Being responsible for both the venture's success or failure
- Risk aversion



Mr. Rajesh Mahadik delivering session on Entrepreneurial Opportunities for Engineers

Seminar 3

The "Infrastructure Service" was Organized by Civil Department on 21st February 2019

Expert Name: Mr. Anil Jadhav

Designation: Managing Director

Company Name: Nexus Techno Consultants, Pune

No. of Students Attended the guest lecture: 80

Objectives of Session

How to be an Entrepreneur, Problems and Demands in Construction Industry.

Highlights of Session

1. Current Situation of Construction Industry
2. Difficulties facing during working as an Entrepreneur
3. Registration of Startup Company
4. Facility available to start the company
5. Tackling of the Problems
6. Current Demands in Construction Industry
7. Introduction and Benefits of Advance Construction Tools



Mr. Anil Jadhav delivering a Lecture about Infrastructure Service

Seminar 4

The “Role of Project Manager in Housing Project” was Organized by Civil Department on 22th February 2019

Expert Name: Mr. Anand Aswale

Designation: Head – Pune Area

Company Name: M/s Capacite Infrastructure Ltd

No. of Students Attended the guest lecture: 80

Objectives of Session

To Understand the roles and responsibilities of a project manager in housing project

Highlights of Session

1. Introduction to Housing Project
2. Discussions of roles of project manager
3. Responsibilities as a project manager
4. Difficulties involved in housing projects and its solutions
5. Career guidance
6. Question answer sessions amidst student and resource person



Mr. Anand Aswale delivering session on Role of Project Manager in Housing Project

Workshops(For Student)

Workshop 1

The workshop on "Application and use of Auto CAD" was organized by Civil Department from

28th July 2018 to 22th September 2018.

Expert Name: Mr. Ranjeet S Sabale,

Mr. Sachin Nalawade,

Mr. Omkar Chothe

Designation: Assistant Professor

College Name: DYPIEMR

No. of Students Attended the guest lecture: 81

Description

Department of Civil Engineering at Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune integrates both in-class and out-of-class experiences of students. To accomplish this, the institute makes available a wide range of educational experiences through programs and activities that complement and support the academic experience in the classroom. Although the primary focus of these activities is to advance students' learning, to help students meet the challenges.

In view of the above, Add on Course is organized on "Application and use of AUTO CAD" was organized for students at the Institute by Department of Civil Engineering. The key objective of this add-on 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. We would like to thank to Campus Director Col. S. K. Joshi and Principal Prof. (Mrs.) Dr. A.V. Patil, for their support and guideline for organizing technical events for students.

Objectives of Auto CAD Add on Course: -

1. To make student familiar with use of software in Civil Engineering Drawings
2. To enhance the ability of students to work on Drawing Software.
3. To enable the students get a feeling about how really the drawing work is done on site



Importance of Auto CAD: Mr. Sachin Nalwade



Various Commands for Auto CAD : Mr. R. Sable

Workshop 2

The workshop on "Structural Analysis and Design Using ETAB" was organized by Civil Department from 3rd September 2018 to 7th September 2018.

Expert Name: Mr. Shivkumar Hallale

Designation: Assistant Professor

College Name: DYPIEMR

No. of Students Attended the guest lecture: 43

Technical Events

Technical Event: 1 Paper Presentation

Paper presentation is a competition wherein the participants are expected to present the result of some scientific investigation or research. The topic may be supported by results of some experimental works, data required from various sources, etc. The oral presentation should use an effective way of communication on the research to the audience such as slides, graphs, tables, images, etc. Following are the details of paper presentation event.

Event Date- 13/02/2019

Topic for presentation:-

Recent Trends In Civil Engineering
Sustainable Development in Construction



Inauguration of Paper Presentation Event by Mr. Raghawendrasingh Bais (Innovative Consultancy Services)



Felicitation by Ms. A. P. Kulkarni (HOD, Civil) of Mr. Raghawendrasingh Bais (Innovative Consultancy Services)



Participant while presenting Paper



Winners: Paper Presentation

Technical Event: 2 Survey Master

Survey Master is the event related to the judge the knowledge of Survey. This event is Technical Event. Eligibility criteria for this event were Civil Branch and student from Diploma and Degree. Here, Plane table Survey, Dumpy Level and Distance measurement were considered.

Event Date- 13/02/2019



Inauguration: Survey Master



First winner



Second winner

Technical Event: 3 Model Making



First winner



Second winner

A Civil engineer will design, plan and construct a structure. For this he needs to be creative and have technical knowledge so that he can use the available materials and resources and build a structure. To stimulate the creativity in students this competition was arranged. In which the participants had to construct Model (bridge) using Ice sticks and the winners were determined on the load carrying capacity. This event will improve students technical as well as management skills.

Event Date- 14/02/19



Third winner

Glimpses: Model Making Competition





Glimpses: Model Making Competition

CESA
Civil Engineering Students Association

INNOVISION 2K19
DEPARTMENT OF CIVIL ENGINEERING
REINFORCE

PAPER PRESENTATION	SURVEY MASTER	MODEL MAKING (BRIDGE)
1ST - 2000	1ST - 2000	1ST - 2000
2ND - 1000	2ND - 1500	2ND - 1500
3RD - 500	3RD - 1000	3RD - 1000

PAPER PRESENTATION	SURVEY MASTER	MODEL MAKING (BRIDGE)
ENTRY FEE - 100 RS	ENTRY FEE - 200 RS	ENTRY FEE - 200 RS
Event Date - 13/02/19	Event Date - 13/02/19	Event Date - 14/02/19

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

Student Coordinator - Shubham Pachling (9579573645)
Faculty Coordinator - Mr. Milhun K. Sawant (8390287069)

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

Computer Engineering Department

Mrs. P. P. Shevatekar
Head of the Department

About Department

In view of the revolution in Communication and Computer sector in the world, there is a challenging task ahead for Computer Professionals. Keeping this in view, the Computer Engineering course has emerged as one of the indispensable engineering disciplines.

The Department is equipped with Computer Center, Software Lab and an internet center with ultra modern facilities. The total intake capacity of the department is 120.

Right from its inception in the year 2012, the Department has steadily grown in all spheres in terms of:

Student strength, physical Infrastructure, number of labs - subject wise, as per the rapid up gradations introduced by AICTE in the recent times and progressive changes in syllabi of Savitribai Phule Pune University. Brilliant faculty strengthened through qualification improvement programs, human resources in the form of trained supporting staff, all round quality development programs and operating systems for improving upon the functional effectiveness in the department. The Department has well-qualified Faculty Members with various specialization relevant for the industry.

The Department strives to develop long Term relationships with Industries and market the Student's Talents effectively. The Students are thus provided high level 'Leads and Pathways' that enable them to gain access to a broad range of 'high potential' and 'hi-tech' Career Opportunities.

Vision

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

Mission

1. To promote growth of an individual by imparting comprehensive 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.

Programme Education Objective

1. To prepare globally competent graduates to apply engineering fundamentals and domain knowledge to provide solutions.
2. To prepare committed and motivated graduates to design, develop and maintain reliable and efficient modern IT solutions and explore higher education and research opportunities.
3. To prepare graduates with strong professional ethics, leadership and communication skills.
4. To prepare graduates to adapt technological advancements by engaging in life-long learning with multidisciplinary approach.

Programme Specific outcomes

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.

Programme Objective

1. Apply the knowledge of mathematics, science, engineering fundamentals and engineering specialization to the solution of complex computer engineering problems
2. Identify, formulate, review research literature, and analyze complex computer engineering problems reaching substantiated conclusions using first principals of mathematic, natural sciences, and engineering sciences
3. Design solutions for complex computer engineering problems and design system components or process that meet the specialized need with appropriate consideration for the public health and safety and the cultural, societal, and environmental considerations
4. Use research based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

5. Create, select and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex computer engineering activities with an understanding of the limitations.
6. Apply reasoning informed by contextual knowledge to assess societal and environmental contexts and demonstrate the knowledge of computer engineering and need for substantial development.
7. Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for substantial development.
8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary setting.
10. Communicate effectively on complex computer engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentations, make effective presentations and give and receive clear instructions.
11. Demonstrate knowledge and understanding of the computer engineering and management principals and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadcast context of technological change

Best Practices of department

We believe in following the best practices such as

1. Collaborative learning
2. Computer department is arranging Technical Add-on training for students which helps them to improve and get ready for placement
3. Promote Industry Institute partnership
4. Encourage students to participate in various competitions
5. Faculty of computer department follow different ways of teaching such as pedagogy which makes teaching-learning process interesting
6. Computer department has got best Center of Excellence Award consecutively for two years

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	52.86	63.31
2	TE	62.86	71.42
3	BE	93.70	98.36

Highlights of Academic Excellence in SPPU Examination for Semester –I 2018-19

SEM-I

Sr. No	Student Name	Class	SGPA
1	JAGTAP AMOL SANJAY	BE	9.41
2	SHAHADE BHAGYASHREE MANOHAR		9.32
3	CHAKRAVARTY SUDESHNA		9.27
4	DIMBLE RENUKA NARENDRA		9.27
5	JADHAV VAISHNAVI VAIJINATH		9.23
6	BABAR AKSHADA PRAMOD	TE	9.70
7	TAWARE PRANJALI CHANDRASHEKHAR		9.61
8	ABHINAV JHA MADHULIKA		9.00
9	DESHPANDE VRUSHALI HARSHWARDHAN		8.65
10	IYER ANUJ GANESH		8.65
11	ANSARI MD SAIFULLAH	SE	9.20
12	SPARSH RAKESH GOYAL		9.16
13	BHOSALE POONAM RAJENDRA		9.04
14	AGARWAL NIKHIL SANJAY		9.00
15	MAPARE SHUBHANGI BALBHIM		9.00

Sr. No	Student Name	Class	SGPA
1	JAGTAP AMOL SANJAY	BE	9.50
2	SHAHADE BHAGYASHREE MANOHAR		9.45
3	SHAIKH ARNAZ HUSAIN		9.32
4	CHAKRAVARTY SUDESHNA		9.30
5	KALBHOR RUTUJA DILIP		9.30
6	BABAR AKSHADA PRAMOD	TE	9.67
7	TAWARE PRANJALI CHANDRASHEKHAR		9.57
8	ABHINAV JHA MADHULIKA		9.02
9	CHAUDHARI PRACHI VILAS		8.91
10	DAUNDKAR AISHWARYA NIVRUTTI	SE	8.74
11	SPARSH RAKESH GOYAL		9.28
12	ANSARI MD SAIFULLAH		9.14
13	BHOSALE POONAM RAJENDRA		9.08
14	AFRIN ALI		9.02
15	MAPARE SHUBHANGI BALBHIM		9.02

FDP Organized

The Security Analyst in association with Nasscom was organized by Computer Engineering Department from 15/6/18 to 19/6/18

Resource Person: Mr. Abhinav Devaguptapu, Security Engineer, Cybereye
Beneficiary: 33

Coordinator: Mr. Nareshkumar Mustary, Mr. Ishwarappa Kalbandi
Description: This training is design to enhance Teaching Skills of faculty. It has developed a strong foundation for outcome based teaching Learning Process for future ready skills.



Welcome ceremony



Training Session

The Laboratory Practices- II in association with SPPU was organized by Computer Engineering Department from 16/7/18 to 18/7/18

Resource Person: Mr. Aniket Koley, Mr. Sandip Musane, TCS Hinjawadi, Pune, Mr. Harshal Deshpande, Mr. Vikrant Dhawale, NTT Data, Pune, Mr. Amardeep Yadav, Mr. Nareshkumar R.M., Pune
Beneficiary: 70

Coordinator: Mr. Nareshkumar Mustary, Mr. Ishwarappa Kalbandi
Description: The Objective of this three days faculty development program is to have details hands on knowledge of assignment of Lab Practices – II. The FDP has covered the Fundamentals of Data Mining and warehousing, Mobile communication, Distributed system, Pervasive and Ubiquitous computing, and Software testing and quality assurance.



Training Session



All participants

The Laboratory Practices- IV in association with SPPU was organized by Computer Engineering Department from 7/1/19 to 9/1/19

Resource Person: Mr. Aditya Bagul, IRT Technologies, Nashik, Mr. Jameer Kotwal PC-COE&R, Mr. Ashish Shahane, Shreyash IT solution Pvt.Ltd.

Beneficiary: 84

Coordinator: Mr. Nareshkumar Mustary, Mr. Ishwarappa Kalbandi, Mrs. Suvarna Patil, Mrs. Deepali Jawale

Description: The Objective of this three days faculty development program is to have details hands on knowledge of assignment of Lab Practices – IV. The FDP has covered the Fundamentals of Cloud computing, Compiler construction, Embedded and Real time operating system.



Dignitaries of FDP



Participants of FDP

FDP Attended

- Dr. Manisha Bhende, Prof. Mrs. Suvarna Patil, Prof. Mr. Naresh kumar R.M, Prof. Mrs Nalini Yadav, Prof. Rachana Mudholkar, Prof. Amol Dhakne, Prof. Mrs Mohini Avatade, Mrs. Ketaki Bhoyar, Prof. Mrs. Mily Lal, Mrs. Abha Jain attended FDP on Laboratory Practice-II B.E (Comp) 2015 –Pattern at DYPIEMR Date 16/7/2018.
- Dr. Manisha Bhende, Prof. Rachana Mudholkar, Prof. Mrs Pooja Mishra, Prof. Mr. Naresh kumar R.M., Prof. Mrs. Mily Lal, Mrs. Abha Jain, Mrs. Ketaki Bhoyar, Mrs. Suvarna Patil attended FDP on IOT using Python at DYPIEMR Date 11/06/2018.
- Prof. Mrs Mohini Avatade, Dr. Manisha Bhende, Prof. Mrs Nalini Yadav, Mrs. Abha Jain, Prof Shivganga Gavhane, Prof. Mrs. Suvarna Patil attended FDP on Foundation Program in ICT at DYPIEMR Date 08/03/2018.
- Prof. Mrs Nalini Yadav attended FDP On Database Management System Laboratory at DYPIEMR Date 7/16/2018.
- Mrs. Abha Jain attended FDP on Python Programming at DYPIEMR Date 12/21/2018.
- Prof. Ishwar Kalbandi attended FDP on Practical Exposure on Software Testing Using Open Source at DYPIEMR Date 7/10/2018.
- Prof. Ishwar Kalbandi attended FDP on Android Apps Development at DYPIEMR Date 7/10/2018.
- Prof. Amol Dhakne attended FDP on Train The Trainers Programme on “Qualifications Pack at DYPIEMR Date 15/06/2018.
- Prof. Mrs. Suvarna Patil attended FDP One week Refresher Course on Machine learning at DYPIEMR Date 6/4/2018 .

Workshop Attended

Prof. Rachana Mudholkar attended FDP on AICTE – ISTE sponsored one week Induction / Refresher Programme on “Developing Multidimensional Competencies in Teachers” at DYPIEMR Date 6/4/2018

Trainings/ STTP Attended

- Prof. Mr.Nareshkumar R.M attended training on Security Analyst QP in Association with NASSCOM at DYPIEMR Date 6/15/2018.
- Prof. Mrs.Mily Lal attended Train The Trainers Programme on “Qualifications Pack Security Analyst: Cyber Security” in association with NASSCOM at DYPIEMR Date 15/06/2018.
- Prof. Mrs Nalini Yadav attended training on Security Analyst QP in Association with NASSCOM at DYPIEMR Date 15/06/2018.
- Mrs. Abha Jain attended training on Train The Trainers Programme on “Qualifications Pack Security Analyst: Cyber Security” in association with NASSCOM at DYPIEMR Date 15/06/2018.
- Prof. Manisha Bhende attended training on Train The Trainers Programme on “Qualifications Pack Security Analyst: Cyber Security” in association with NASSCOM at DYPIEMR Date 15/06/2018.
- Prof. Rachana Mudholkar attended training on Train The Trainers Programme on “Qualifications Pack Security Analyst: Cyber Security” in association with NASSCOM –Pattern at DYPIEMR Date 15/06/2018.

MOUs

- Department of Computer Engineering has MoU with NASCCOM for Technical training to staff from 11/04/2018.
- Department of Computer Engineering has MoU with Inportia IT Solutions Pvt Ltd for Technical training to students from 15/06/2018.
- Department of Computer Engineering has MoU with IRT Pvt Ltd. For Guest Lecture Workshop from 26/7/ 2018.
- Department of Computer Engineering has MoU with IBM for Guest Lecture on Big data analytics from 14/08/2018.
- Department of Computer Engineering has MoU with Microspectra Software Technologies Private Limited for Guest Lecture on Java from 8/09/2018.
- Department of Computer Engineering has MoU with Redhat for Technical Training on Redhat certified system administrator course from 11/09/2018.
- Department of Computer Engineering has MoU with Helpdesk for Technical training on AI using Python from 15/11/2018.
- Department of Computer Engineering has MoU with Mitu Skillologies for Guest Lecture on ESIOT from 17/11/2018.
- Department of Computer Engineering has MoU with Artiset for Guest lecture on Machine learning from 19/11/2018.
- Department of Computer Engineering has MoU with Assimilate for Guest Lecture on Java from 26/11/2018.
- Department of Computer Engineering has MoU with E Mestro Academy for Internship from 29/11/2018.

Patents filed by faculty

• Mrs. Neha Tiwari, Mrs.Nalini Yadav, Mrs.Abha Jain, Mrs.Mohini Avatade, Mr.Lokesh Giripunjje, Mr.Anil Hulsure, Mr.P.P.Halkarnikar has filed a patent titled “Efficient Waste Management System using IoT” on 9/24/2018 .

Faculty publications in Journals

- Mrs. P.P. Shevatekar published paper on “GREEN COMPUTING” in (IJMRA), Volume: 9, Issue:6, ISSN: 2249-0558
- Mrs . Mily Lal published paper on “Sentiment Analysis on Customer Reviews using Deep Learning” in (International Journal of Computer Science and Engineering), Volume: 6, 7, ISSN: 2347-2693
- Mrs . Sandhya Gundre published paper on “Internet of Things Using Data Mining: Challenges and Applications” in (International Journal Of Research In Electronics And Computer Engineering (Ijrece)), Volume: 6, 7, ISSN: 2348-2281
- Mrs. Nalini Yadav published paper on “App for Enhancing the Security of Secret Questions” in (International Journal for Scientific Research & Development), Volume: 6, 4, ISSN: 2321-0613
- Mrs. Nalini Yadav published paper on “E-Rationing System for Monthly Ration Distribution” in (International Journal of Computer Science and Engineering), Volume: 7, 5, ISSN: 2321-0613
- Mrs. Nalini Yadav published paper on “Internet of Things Using Data Mining: Challenges and Applications” in (International Journal Of Research In Electronics And Computer Engineering), Volume: 6, 3, ISSN: 2348-2281
- Mrs. Suvarna Patil. published paper on “Mobile based Vehicle Details Checking System on Real Time Basis” in (International Journal for Scientific research and development), Volume: 6, 3, ISSN: 2321-0613
- Mr. Nareshkumar R M published paper on “Intelligent Routing in MANET using Self-Adaptive Genetic Algorithm” in (Springer), Volume: 442, ISSN: 978-981-10-4761-9
- Mr. Nareshkumar R M published paper on “Consumption Units Tracking System with Home Automation & Chat Bot” in (International Journal of Research), Volume: 6, 7, ISSN: 2236-6124
- Mrs. Abha Jain published paper on “Sentiment Analysis on Customer Reviews using Deep Learning” in (International Journal of Computer Science and Engineering), Volume: 6, 7, ISSN: 2347-2693
- Mr. Ishwarappa Kalbandi published paper on “GPS Mapping of Resources for Crisis Management System” in (IJSART), Volume: 3, 7, ISSN: 2395-1052
- Mr. Anilkumar Hulsure published paper on “Efficient Waste Management” in (International Engineering Research Journal (IERJ)), Volume: 6, 12, ISSN: 2395-1621
- Ms. Ketaki Bhoyar published paper on “Internet of Things Using Data Mining: Challenges and Applications” in (International Journal Of Research In Electronics And Computer Engineering (IJRECE)), Volume: 3, 7, ISSN: 2348-2281
- Ms. Ketaki Bhoyar published paper on “Smart Parking System Using IOT and Cloud Computing” in (International Journal of Computer Science and Engineering), Volume: 6, 7, ISSN: 2347-2693
- Mrs. Mohini Avatade published paper on “Smart Parking System Using IOT and Cloud Computing” in (International

Journal of Creative Research Thoughts (JCRT)), Volume: 6, 2, ISSN: 2320-2882

- Mrs. Mohini Avatade published paper on "Sentiment Analysis on Customer Reviews using Deep Learning" in (Journal of Emerging Technologies & Innovative Research (JETIR)), Volume: 6, 11, ISSN: 2347-2693 (E)

- Mrs. Mohini Avatade published paper on "Role of Data Mining in Internet of Things With Challenges & Applications" in (International Journal of Computer Sciences and Engineering), Volume: 6, 8, e-ISSN: 2347 – 2693

- Mr. Amol R. Dhakne published paper on "Privacy Preserving In Authentication Protocol for Shared Authority Based Cloud Computing" in (International Research Journal of Engineering and Technology (IRJET)), Volume: 4, 7, e-ISSN: 2395-0056

- Mr. Amol R. Dhakne published paper on "Trustable Routing And Secured Path Detection In Wireless Sensor Networks" in (International Journal of Computer Engineering and Applications), Volume: 6, 11, ISSN 2321-3469

- Mr. Amol R. Dhakne published paper on "Web Based Monitoring of Sensor Data for Smart Cities" in (International Journal of Engineering Science and Computing), Volume: 7, 6, ISSN XXXX XXXX © 2017 IJESC

- Mrs . Rachana Mudhulkar published paper on "Accidental Management System Using QR Code" in (Internation-

al Journal of Science & Advance Research in Technology), Volume: 4, 6, ISSN: 2395-1052

- Mrs. Suvarna Patil published paper on "TYP(Track Your Parkinglot)" in (JASC: Journal of Applied Science and Computations), Volume: 5, 12, ISSN-2349-5162

- Suvarna Patil, P P Shevatekar, Manisha Bhende, Pooja Mishra published paper on "Resource Allocation using Game Theory to reserve a secure parking lot in Smart Parking System" in (International Journal of Research in Advent Technology), Special Issue ISSN - 2321 – 9637

- Mrs. Suvarna Patil published paper on "Smart Emotion Based System for Music Player And Books And Videos Suggestion System" in (JASC: Journal of Applied Science and Computations), Volume: 6, 6, ISSN NO: 1076-5131

- Dr. Manisha Bhende, Mrs. Suvarna Patil, Mrs. Pooja Mishra published paper on "IoT Based Smart and Adaptive Wireless system using Realistic Simulation System" in (Multidisciplinary Journal of Research in Engineering and Technology), Volume: 5, 3, ISSN:2348 – 6953

- Ms. Deepali Jawale, Mrs.Rashmi Deshpande published paper on "Smart Farming Using IOT" in (IJSART) Volume: 4, 11, ISSN: 2395-1052

- Ms. Deepali Jawale, Mrs.Rashmi Deshpande, Mr.Vishal Patil published paper on "Order Collecting Robot with Automatic Allocation" in (International Journal for scientific Research and Development), Volume: 6, 10, ISSN: 2321-0613

Ph.D. Awarded

Sr. No.	Name of Faculty Member	Title of PhD Thesis	Year of Award	Awarding Institute/ University
1	Dr. Manisha Bhende	Performance analysis and enhancement of energy optimized topologies in wireless sensor network	Jan 2017	Savitribai Phule Pune University
2	Dr. P.P. Halkarnikar	Object Detection in Cluttered Environment	2017	Shivaji University Kolhapur

Interaction with outside world:

- Mrs. Ketaki Bhoyar is working as a Reviewer for International Journal Of Creative Research Thoughts (IJCRT).

Invited Talks/Judge/Resource

- Mrs. P. P. Shevatekar invited as a Resource person for Workshop session on Artificial Intelligence held at DYPIEMR on 13/07/2018.
- Mrs. Nalini Yadav was invited Resource person for Data mining & warehousing, at Dr. Dy. Patil Technical Campus, Lohegao, Charholi on 02/08/18.

PhD Registration:

- Mr. Nareshkumar R. M has registered for Ph. D in Wireless Network at the research centre GITAM University, in the area of Mobile AdhocNetwork(MANET).
- Mr. IshwarKalbandi has registered for Ph.D in Data Mining at the research centre Vellore Institute of Technology, Vellore in the area of Big Data Analytics.
- Mr. Amol R. Dhakne has registered for Ph.D in WSN at research lab of “Govt. College of Engineering, Amravati” under AICTE TEQIP-II scheme in the area of Wireless Sensor Network.
- Mr. Gaurav Gupta has registered for Ph.D in Image Processing at research lab of “Govt. College of Engineering, Amravati” under AICTE TEQIP-II scheme in the area of Wireless Sensor Network.
- Mrs. Nalini S. Jagtap has registered for Ph.D in Image Processing at research center “PimpriChinchwad College of Engineering”, SPPU, in the area of Image Fusion.
- Mrs. Suvarna Patil has registered for Ph.D in Networking at research center, “Vishwakarma University”, Pune, in the area of IoT network
- Mrs. Shivganga Gavhane has registered for Ph. D in Cloud Computing at the research centre “ Dr. BAMU Aurangabad”, in the area of Security in Cloud

Faculties Remarkable Achievements

- One Faculty is Certified Trainer
- Two faculties got best paper award
- One faculty is Hackathon Winner
- One Faculty is NPTEL exam topper
- One faculty is Editor
- Six faculty are session chair
- Eight faculty are reviewer
- Six faculty are resource person
- Mr.Ishwar Kalbandi has received Excellent Reviewer certificate also i got in A.Y 2018-19(SCOPUS Journal).
- Mr.IshwarKalbandi has received Silver + Elite NPTEL certification in "Introduction to Java Programming"

Faculties Intercollegiate Activities

- Mr.Ishwar Kalbandi delivered expert talk (guest lecture) on "Data Analytics using Programming" on 19/09/18at KJCOEMR, Pisoli.
- Mrs. Mily Lal delivered expert talk (guest lecture) on "LP-I Practicals" on 24/09/18atG. S.Moze College of Engg, Balewadi.
- Mr.NareshkumarMustary delivered expert talk (guest lecture) on "Data mining and Warehousing" on 26/09/18atSTES's RMD SCOE, Warje.

Training and Placement

T & P Activities

Department events or initiatives related to T & P with details and photos



Placement details

• Total count of placed students = 100 • Percentage of placed students = 80.64

Sr. No.	Company	Student Placed	Package Offered
1.	Virtusa	20	3.3
2.	Zycus	1	3.6
1.	Evosys	1	4.2
2.	Value Labs	1	16
3.	Arxxus	1	4
4.	Xoriant Solutions Pvt. Ltd	1	4.5
5.	TCS	7	3.36
6.	L&T Infotech	5	3.18
7.	Eternus Solutions	2	3.6
8.	Fiserv	3	2.93
9.	Softcell Technology	1	3.6
10.	IBM	1	4.1
11.	Bitwise	2	3
12.	Fusion Stack	1	3
13.	Infostretch	7	3.75
14.	Blazeclan	3	3.6
15.	Flextronics	2	3.25
16.	Tata Technologies	3	4.5
17.	Vodafone	1	4.25

18.	Infosys	6	3.6
19.	Concentrix	3	1.8
20.	BormBruckmeierpvt ltd	1	3.5
21.	ESDS	3	4.5
22.	NTT Data	1	3.5
23.	Vmware	1	9
24.	Sportstec	3	2.64
25.	Cognizent	3	3
26.	Virtusa software	2	3.3
27.	Extramark	1	7
28.	Estatemint	1	2.6
29.	Birla soft	5	3.25
30.	Tavisca solutions pvt ltd	1	6
31.	Value Labs	1	16
32.	Tavisca	1	6
33.	Magna Electronics	1	2.55
34.	EPAM	1	
35.	Meticulous Market Reasearch Pvt Ltd	1	2.02
36.	Flextronics Technologies India Pvt. Ltd	1	3.75

Industrial visits /Tours

Industrial Visit to Industrial Visit To SeamEdu School of Pro-Expressionism For SE A & B (Computer) students was arranged on 22/01/18 & 24/01/18 for explain the usage of VFX and Animation techniques for assigning visual effects at various places. And explain Game development process using several tools.

Objectives:

- To explain the usage of VFX and Animation techniques for assigning visual effects at various places.
- To Explain Game development process using several tools.

Outcomes:

- Students understand the importance of animation and usage of VFX for adding visual effects.
- Students understand the process of game development & usage of different effects to make it more popular.



Industrial visits /Tours 02

Industrial Visit to MAPRO Food Park & Main UNIT For TE A & B (Computer) students was arranged on 23/03/18 for showing the process of automation at Mapro.

Objectives:

- In order to learn the automation process implemented at Mapro.
- In order to have brief over look on the logistics activities conducted by Mapro.
- In order to learn labour and full logistics management of Mapro.

Outcomes:

- Students will be able to explain the automation process used by the Mapro.
- Students understand the hierarchical structure of the mapro.
- Students understand the working principal of Mapro organization.



Student Development and Welfare

Students Association

COMPSA stands for computer students Association .It is an organization for the students that was establishment back in year 2013.

The main objective of COMPSA is to help student grow in technical as well as non-technical activities. They acts as bridge between students and faculties..

Committee Members

Sr No	Name of student	Post
1	Mr. Siddhartha Patki	President
2	Mr. Tejas Bhagwat	Secretary
3	Ms. Falguni Magwani Mr. Aniket Mahajan	Management Advisors
4	Mr. Prathamesh Mandlik Mr. Akash Sahay Ms. Asmita Sharma Mr. Vimal Rathod	Marketing Advisors
5	Mr. Abhi Singh	Technical Head
6	Mr. Prateek Pandey	Co-Technical Head

Events Organized with photos

Event Name :CyberPunk

Date of Conduction: 13th & 14th February, 2019

Brief Description:

Cyberpunk game is used to assess the technical skills of students. In this event, students were given the choice of programming languages c/c++/Java. There were two levels beginner (for FE/SE students) and advance (for TE/BE students). Problem statements were based on the levels.



Cyberpunk Venue



Students participated

Event Name: Latex Report Writing Workshop under COMPSA and ICS Club

Date of Conduction: 26th February 2019

Brief Description:

The workshop had TE student of computer department in great numbers. The event started with the introduction about Latex and why it is important for the students



Organizers of the event



Appreciation for conduction of workshop

Event Name: Quiz Computation

Date of Conduction: 15/10/2018

Brief Description:

Students participating in this program could enhance their exposure in communication & general knowledge skills. Students shared knowledge and passion of science and social issues through interaction with peers and audiences.



Quiz Participants



Winners of Quiz

Event Name: SWACHH BHARAT ABHIYAN

Date of Conduction: 09/02/2019

Brief Description: To make people aware of healthy sanitation practices by bringing behavioural changes in people.



Swachha Bharat Abhiyan at Durga Tekdi



Swachha Bharat Abhiyan at Durga Tekdi

Event Name: GURU PURNIMA

Date of Conduction: 27/07/2018

Brief Description: It is believed that a person is blind without a teacher to guide him. A mother is the first teacher of a child, but after that, the guru becomes his or her second mother.



Students singing at Guru Purnima



Vice president Greeting HOD mam

Event Name: TEACHERS DAY Celebration

Date of Conduction: 10/08/2018

Brief Description: Dr. Sarvepalli Radhakrishnan was a friendly teacher and he was popular among his students for the example he always set in front of them. So, one day his students and friends requested him to allow them to celebrate his birthday in a lavish way. In return he said that it would be his pride and honor if they celebrate his birthday in respect of all teachers. And since then this day 5th September is celebrated as Teacher's Day.



Celebration at Teachers Day



Celebration at Teachers Day

Event Name: COMPSA INAUGURATION

Date of Conduction: 10/08/2018

Brief Description: COMPSA stands for computer students Association .It is an organization for the students that was establishment back in year 2013.

The main objective of COMPSA is to help student grow in technical as well as non technical activities. They act as bridge between students and faculties.



Compsa Website



President of Compsa Addressing the Gather

Student Chapter

CSI

Established in 1965, the Computer Society of India, or CSI is the first and largest body of computer professionals in India. It is a non-profit professional meet to exchange views and information learn and share ideas regarding advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and many more. The national body now has 72 chapters across India, 512 student branches, and over 110000 members, including noted IT industry leaders, scientists, and dedicated mathematicians.

Committee Members

Sr No	Name of student	Post
1	Mandlik Prathamesh	President
2	Anuj Iyer	Vice President
3	Amin SnehaGajananda	Treasurer
4	Bikkad Fulchand Arun	Treasurer
5	Deshpande Rutuja A.	Member
6	Fegade Tanmay S.	Member
7	Talele Himanshu Sanjay	Member
8	Aniket Nikam	Member
9	Aditya Ajay Porwal	Member
10	Patil Anmol Aatmaram	Member

Events Organized with photos

Event Name: GUEST LECTURE on Soft Skills
Date of Conduction: 03/08/2018
Brief Description: Students made aware about soft skills
Resource Person: Mrs.Vinky Kohli,
Beneficiary: 96
Coordinator: Mrs. Abha Jain

Event Name: Workshop on Java Application Development
Date of Conduction: 25/06/2018 to 28/06/2018
Brief Description: Students understood the concepts of Java Application Development
Resource Person: Technical Lead, L & T, Pune
Beneficiary: 128
Coordinator: Mrs. Nalini Yadav

Event Name: Poster Presentation Competition
Date of Conduction: 10/5/2018
Brief Description: Students understood the concepts and learned to work in team
Resource Person: Mr. Ashish Shahane,
Beneficiary: 134
Coordinator: Ms. Ketaki Bhoyar

Event Name: GL on Design Career guidance
Date of Conduction: 2/20/2019
Brief Description: To conduct a creativity test and spreading awareness of career and education opportunities in DESIGN.
Resource Person: Ms. Tejaswita Jadhav
Beneficiary: 90
Coordinator: Mrs. Suvarna Patil

Event Name: GL Parsing techniques using LEX and YACC
Date of Conduction: 16/03/2019
Brief Description: Students are able to use program generator tools LEX and YACC
Resource Person: Mrs. Pallavi Yevale
Beneficiary: 53
Coordinator: Mrs. Shivganga Gavhane



Workshop on Java Application Development



Introduction of Workshop by Coordinator



Design Career guidance session



GUEST LECTURE on Soft Skills



Guest Lecture on Parsing techniques using LEX and YACC



Inauguration of Poster Presentation Competition

Guest Lectures (for Students)

- The Guest Lecture was organized by Computer Department on React JS by Mr. Ujwal Tale on 19/07/2018.
- Beneficiary: BE 103
- Coordinator: Mr. Ujwal Tale
- Description:
 - Understand the Overview of Basic concepts ReactJS
 - What's the purpose of using ReactJS
 - why ReactJS has become so popular during last 2 years



- The Guest Lecture was organized by Computer Department on Soft Skills by Mrs. Vinky Kohli on 3/8/2018

Beneficiary: SE-97

Coordinator: Mrs. Abha Jain

Description:

- Overview of Basic concepts of Soft skills
- Different Ways of Communication Skills
- Industry requirements and scope of Soft skills training



- The Guest Lecture was organized by Computer Department on Technical Preparation of JAVA for Placement by Mr. Sanjay Taskar on 20/08/2018

Beneficiary: BE-92

Coordinator: Mrs. Deepali Jawle

Description:

- Overview of Basic concepts of OOPS and Data Structure Using JAVA
- Different areas of Applications of Java
- Industry requirements and scope of JAVA



- The Guest Lecture was organized by Computer Department on Mongo DB by Mrs. Tanuja. P. Lonhari on 9/7/2018
Beneficiary: TE-133
Coordinator: Mr. Vishal Patil
Description:
 - Understand the Overview of Basic concepts NoSQL, Bigdata And Hadoop
 - When to use NoSQL
 - Applications of NoSQL, Bigdata & Hadoop



- The Guest Lecture was organized by Computer Department on Java for Placement by Mr. Vijay .A. Thate.09/08/2018
Beneficiary: TE-122
Coordinator: Mrs. Sandhya Gundre
Description:
 - Overview of Basic concepts of Soft skills
 - Different Ways of Communication Skills
 - Industry requirements and scope of Soft skills training



- The Guest Lecture was organized by Computer Department on RECENT TRENDS IN APPLICATION LAYER by Mr. Mandar Sonwane on 10/9/2018
Beneficiary: TE-135
Coordinator: Mrs.Suvarna Patil & Mrs.Nalini Yadav
Description:
 - Evolution of wireless communication system
 - Architecture of Modem
 - Low power system



- The Guest Lecture was organized by Computer Department on IEESI by Prof. Abraham Sibi on 29/09/2018
- Beneficiary: TE-105
- Coordinator: Mrs. Rashmi Deshpande
- Description:
 - Introduction of Engineering Economics
 - Why Engineering Economics



- The Guest Lecture was organized by Computer Department on Learning Experience in Internship by Mr.Mandar Sonawne on 03/01/2019
- Beneficiary: TE-123
- Coordinator: Mrs.Nalini Yadav
- Description:
 - What is Internship
 - Domains available for Internship



- The Guest Lecture was organized by Computer Department on Carrier Guidance in Advanced Technologies. By Mr. Atul Phad on 08/01/2019
Beneficiary: TE-80
Coordinator: Mrs. Rashmi Deshpande & Mrs. Deepali Jawale
Description:
Different Advanced Technologies.
Requirement of IT Industry



- The Guest Lecture was organized by Computer Department on Soft Skills Cloud Computing, Business Intelligence and full stack development by Mr. Himanshu Sharma, Mr. Kashunath Patil, Mr. Kashunath Patil, Ms. Romolina on 12/01/2019

Beneficiary: BE-80
Coordinator: Mrs. Abha Jain
Description:
• Basics of Cloud computing
• Advantages of cloud models



- The Guest Lecture was organized by Computer Department on Agile Process by Mr. Nilesh Pardeshi on 12/01/2019.
Beneficiary: TE-68
Coordinator: Mrs. Ketaki Bhoyar
Description:
• Understand the Overview of Agile Process
• Discuss the Scrum Artifacts, Burn Down Chart, Burn Up Chart etc..



- The Guest Lecture was organized by Computer Department on Data Analytics by Sanika Kamtekar on 08/02/2019
Beneficiary: TE-74

Coordinator: Mrs. Pooja Mishra, Mrs. Suvarna Patil

Description:

Data Visualization is the representation of information in the form of a chart, diagram, picture

It can also be used as a reporting tool.



- The Guest Lecture was organized by Computer Department on Free plane & Pearl Trees by Mr. Dipesh Walte on 27/02/2019
Beneficiary: TE-120

Coordinator: Mr. Amol Dhakne & Mr. Ishwar Kalabandi

Description:

- It can also be used as a reporting tool.
- Advantaged of cloud models



Add on courses (for students)

The Add-on course on Apart Training was organized by Computer Department on 02/07/18 to 13/07/2018

Experts: Team Apart

Beneficiary: 62 (Count of Student)

Coordinator: Ms. Deepali Jawale

The Add-on course on Python Programming was organized by Computer Department on 08/08/2018 to 05/09/2018

Experts: Neel Shah

Beneficiary: 29 (Count of Student)

Coordinator: Ms. Mily Lal

Description: students have performed basic programs using python and are able to provide solution to real time problems using .



Python Session



Python Trainer and Participants

The Add-on course on Redhat system administration certification was organized by Computer Department on: 11/09/2018 to 20/10/2018

Experts: Mr. Riyaz Kureshi

Beneficiary: 07 (Count of Student)

Coordinator: Ms. Deepali Jawale



Redhat Hands on Session



Redhat Session

The Add-on course on Data Science using Python Programming was organized by Computer Department on
 Experts: Heena Chabriya
 Beneficiary: 27(Count of Student)
 Coordinator: Ms. Deepali Jawale



Data Science Session



Python Session

Technical Events

Details of Technical Event is as follow

- CYBERPUNK
- 13th& 14th February 2019
- FE , SE & TE Students
- Event Description:

This event will test your concepts of C and C++ and Java language and your programming skills.



Details of Technical Event is as follow

- SERIOHOLIC
- 13th February 2019
- SE & TE Students
- Event Description:

“Serioholic” was one of the non-technical events which were basically set up to relax all the participants organised on 13th February, 2019. It was organized for the second time in our college and the response was good.



Details of Technical Event is as follow

- MOCK INDUCTION
- 13th February 2019
- FE, SE & TE Students
- Event Description:

“This event will basically test your knowledge of personality behavior and technical knowledge but in a different way in which company expects. It was conducted in three rounds



Details of Technical Event is as follow

- FANTASY IPL
- 15th February 2019
- SE & TE Students
- Event Description:

Fantasy IPL was an event based on IPL auctions in which the participant have to make their own team consisting of 11 players. Players should be selected and bought in such a way that a team contains at least Three batsman, Three bowlers, Two All-rounders and One wicket keeper and the rest depending on their choices.



Details of Technical Event is as follow

- CONQUEROR
- 3th February 2019
- SE & TE Students
- Event Description:

Conqueror was a gaming event where students had the opportunity to participate in different multiplayer as well as solo games. This event had 2 multiplayer games which were played on mobile device and on computers



Student Achievements

STUDENTS IN PLANT TRAINING

Sr. No.	Academic Year	Name Of Student	Name Of Industry	Duration	Objective	Outcome
1	2018-19	Rajshree Sanap	UDT technology Pvt.Ltd.	3 Months	To expose the students to actual working environment and to enhance their knowledge and skills from what they have learned from the institute	The Student will be able to acquire and apply fundamental concepts.
2		Abhinav Jha	Starburst Solution	4 Months		
3			Motion 360	3 Months		
4		Prashant Mankani	Mystery Audits for Swiggy	1 week		Become updated with all the latest changes in technologies.
5		Akshada Babar	Bhau Institute of College of Engineering, Pune	6 weeks		
6		Divisha Agarwal	Bhau Institute of College of Engineering, Pune	6 weeks		
7		Hardik Agarwal	Neelay Industries	3 Weeks		Enhance good technical knowledge, management, leadership and entrepreneurship skills.
8		Shardul Kulkarni	Expertshub Industry	1 and half week		
9		Roshan Gudhe	Go for Chai(Tea Treatz)	2 weeks		
10		Vaibhav Shinde	Elinux	6 Months		
11		Vimal Rathod	Evolutionary System Pvt.Ltd.	1 month		
12		Shailesh Gaikwad	Steelcase	1 month		

Social Concern/ activities

- Computer Department organized Birthday Celebration of Jayesh on 23 Jan 19 at Nachiket Balagram. More than 45 students of participated in the social program.



Some Computer Student with staff



Computer HoD mam with birthday boy Jayesh

- Computer Department organized Moment of calm on 2 Aug 18 at DYPIEMR. More than 55 students of participated in the social program.



Moment of calm



- Computer Department organized on 20 Aug 18 and 25 Aug 18 at DYPIEMR More than 45 students of participated in the social program.



Principal Madam with all the commodities to be donated



Computer students with all the commodities to be donated

Chemical Engineering Department

Dr. Shailesh Ghodke
Head of the Department

About Department

Vision

To impart quality education to produce Competent Chemical Engineers

Mission

1. To create an effective atmosphere for academic excellence
2. Impart quality education in basic and applied areas of Chemical Engineering
3. Enable students to explore knowledge through creative learning by industry institution collaboration
4. Inculcate values of leadership, team work and ethics

Programme Education Objective

1. To provide fundamental chemical engineering knowledge so as to make them proficient to work in various domains of Chemical Engineering
2. To make available the essentials required for problem solving skills necessary to succeed in multidisciplinary teams
3. To inculcate self learning and prepare them for professional leadership, safety and societal issues

Programme Specific outcomes

1. Graduates will be able to apply basics of science and chemical engineering for a successful career in chemical and allied engineering fields.
2. Graduates will be able to effectively contribute to the multidisciplinary teams to undertake social, technical and engineering challenges.
3. Graduates will be able to implement modern engineering tools for sustainable developments with integrity and ethical values.

Programme Objective

- 1) Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2) Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3) Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4) Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5) Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6) 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 engineering practice.
- 7) Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9) Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10) Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11) Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and multidisciplinary environments.
- 12) Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Academic Excellence AY 2018-19

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	39.13%	58.52%
2	TE	52.00%	72.97%
3	BE	56.06%	93.93%

Highlights of Academic Excellence in SPPU Examination

Student Name	Class	Result
Gore Radha Ashok	SE	9.18
Aishwarya Soni Kalpana	TE	9.50
Ponkshe Vinit Virendra	BE	9.73

Workshop Organized (for Students and Faculties)

The Chemsys Process Engineering Pvt Ltd was organized by Chemical Engineering Department on 14.07.2018

Resource Person: Mr. Gaurav Kulkarni, Mrs. Shubhangi Vadjaiakar
Beneficiary: 43
Coordinator: Mr Pankaj Vardhe

Chemsys Process Engineering Pvt. Ltd., are an ISO 9001:2015 Certified EPC Company with a vast array of experience in the engineering field and have executed more than 100+ engineering projects. Topics that we cover include Process Simulation with Aspen HYSYS, Aspen Plus, Aspen EDR, Detailed Engineering, PFD and P&ID drawing and Control Philosophy, Equipment Design etc. Many industry professionals as well as freshers have benefited from courses and are excelling themselves in the field of Process Engineering.



Mrs. Shubhangi Vadjaikar conducting the session



Dr. Shailesh Ghodke is felicitating key note speaker Mrs. Shubhangi Vadjaikar

FDP Attended

- Dr. Shailesh Ghodke, Dr. Utkarsh Maheshwari, Prof. D. P. Deshpande, Mr. Pankaj Vardhe, Mrs. Shubhangi Patil, Mr. Tejas Boralkar, Mr. Ramansingh Thakur attended one week FDP on “Creating open source cloud-based Gnomio Moodle of your own subject for OBE” on 15th April to 10th June 2019.

STTP Attended

- Dr. Shailesh Ghodke and Dr. Utkarsh Maheshwari attended NITTTR Kolkata Sponsored STTP thorough ICT Mode on NBA Accreditation from 22nd April 2019 to 26th April 2019 (One Week) at AISSMS IOIT, Pune

Workshop Attended

- Dr. Shailesh Ghodke, Dr. Utkarsh Maheshwari, Prof. D. P. Deshpande, Prof. Pankaj Vardhe, Prof. Ramansingh Thakur, Prof. Tejas Boralkar attended workshop on “Refresher Course in Chemical Engineering” on 18 June to 22 June 2019 at PVPIT Budhgaon, Sangali, Maharashtra.

MOUs

- Department of Chemical Engineering has MoU with FluidDimensions, Pune for Guest Lecture from June 18 to May 19
- Department of Chemical Engineering has MoU with Rashtriya Chemicals and Fertilizer Thal for Industrial Training for Students from June 18 to May 19.
- Department of Chemical Engineering has MoU with Chemsys Process Engineering Pvt for Collaborative BE Projects from June 18 to May 19.

- Department of Chemical Engineering has MoU with Rashtriya Chemicals and Fertilizer, Trombay for Industrial Training in the Month of June 2019 from June 18 to May 19.
- Department of Chemical Engineering has MoU with Ajinkyatara Sahakari Sakhar Karkhana Ltd, for Industrial Visit for Students and Industrial Training from June 18 to May 19.

Journal Publication:

Shailesh Ghodke, Shirish Sonawane, Bharat Bhanvase, Satyendra Mishra, Kalpana Joshi, Irina Potoroko, Functionalization, Uptake and Release Studies of Active Molecules Using Halloysite Nanocontainers, J. Inst. Eng. India Ser. E, 100 (1), 2019, 59-70.

Book Publication:

Shailesh Ghodke, Shirish Sonawane, Bharat Bhanvase, Kalpana Joshi, Irina Potoroko, Advanced Engineered Nanomaterials for the Treatment of Wastewater, Handbook of Nanomaterials for Industrial Applications- Micro and Nano Technologies, Ed: Chaudhery Mustansar Hussain, 2018, 959-970.

Conference Publications

Sr. No.	Name of Faculty Member	Title of Paper	Name of Conference	National / International	Organizing Institute	Venue	Duration
1	Dr. Shailesh Ghodke, D.P. Deshpande, Raju Kale, Rohit Deve, Dr. Utkarsh Maheshwari	Multiple metal pollutant removal in a multilevel adsorption column	71st Annual Session of the Indian Institute of Chemical Engineers (CHEMCON 2018)	National	NIT, Jalandhar	NIT, Jalandhar	December 27th to 30th, 2018
2	Minaz Alvi, Tejas Boralkar, Shekhar Bhoir, Shivaji Surushe and Utkarsh Maheshwari	Sulfur Extraction from Fuel Oil Utilizing Adsorption Process					
3	Dhundiraj P. Deshpande, Shubhangi Patil, Ramansingh Thakur, Mrunal Khobragade, Sreelakshmi Mohan and Utkarsh Maheshwari	Optimization of Biodiesel Production using Aspen Plus					
4	Shailesh Ghodke, Utkarsh Maheshwari, Pankaj Vardhe, D.P. Deshpande	Utilization of Waste Tyre for the Production of fuel					
5	Shailesh Ghodke, Utkarsh Maheshwari, Tejas Boralkar, Pankaj Vardhe and D.P. Deshpande	Simulation of Transesterification Reaction					
6	Pratishtha Rao, Lakshika Kotak and Utkarsh Maheshwari	A Review on the Enhancement of Textile Properties with the Help of Nanomaterials	14th Annual Session of Students' Chemical Engineering Congress (SCHEMCON 2018)	International	ICT Mumbai	ICT Mumbai	October 26 to 27, 2018
7	Utkarsh Maheshwari, Shailesh Ghodke, Pankaj Vardhe, Ramansingh Thakur, Rutuja Patil, Kiran Shinde, Vinit Ponshe and Ashwin Ponnapan	Extraction of Essential Products from Citrus Fruits", Proceedings of 14th Annual Session of Students' Chemical Engineering Congress (SCHEMCON 2018)					

Interaction with outside world:

- Dr Utkarsh Maheshwari worked as Reviewers for International/National Journal of Journal of Natural Gas Science & Engineering, Elsevier Group.
- Dr Utkarsh Maheshwari worked as Reviewers for International/National Journal of Process Plant Safety and Environmental Protection, Elsevier Group.
- Dr Utkarsh Maheshwari worked as Reviewers for International/National Journal of Sustainable Materials and Technologies, Elsevier Group.
- Dr Utkarsh Maheshwari worked as Reviewers for International/National Journal of Chemical Engineering Communications, Taylor & Francis Group.
- Dr Utkarsh Maheshwari worked as Reviewers for International/National Journal of Journal of Chemical & Engineering Data, ACS Group.
- Dr Utkarsh Maheshwari worked as Reviewers for International/National Journal of Material Focus, American Scientific Publishers.

PhD Registration:

- Mrs. Kirti Bhushan Zare has registered for Ph. D in Chemical Engineering at the research centre “Vishwakarma University Pune”, in the area of Reaction Engineering.

Training and Placement

T & P Activities



Prepared to students for AutoCad Software by Mrs.Kirti B Zare



Prepared students for 'Group Discussion' by HOD, Dr. Shailesh Ghodke and Ramansingh Thakur



Prepared to students for Campus placement by Dr. Shailesh Ghodke & Dr.Utkarsh Maheshwari



Prepared to students for Campus placement by Mr. Pankaj Vardhe



Congratulations to Mr. Rahul Patil, Mr. Parveez Chaudhary & Ms. Mayuri Karad on selection in Deepak Fertilizers and Petrochemical Ltd.



Congratulations to Mr. Rohan Raktade, Mr. Pandurang Digaskar & Mr.Babasaheb Tambe on selection in Techno force Solutions Pvt Ltd



Congratulations to Ms Pratiksha Rajure and Mr. Chaitanya Borkar on selection in PRAJ Industry

Placement details:

Total Count of placed Students : 25
% of Placed Students : 55.55%

Sr No	Name of Student	Name of Company	Status
1	Parvez Chaoudhary	Deepak Fertilisers& Petrochemicals Corporation Ltd.	In Campus
2	Mayuri Karad	Deepak Fertilisers& Petrochemicals Corporation Ltd.	In Campus
3	Rahul Patil	Deepak Fertilisers& Petrochemicals Corporation Ltd.	In Campus
4	Chavan Padamsing	Navin Fluorine International Limited	In Campus
5	Pratiksha Rajure	Praj Industries	In Campus
6	Chaitanya Borkar	Praj Industries	In Campus
7	Pandurang Digaskar	Technoforce Solutions (I) Pvt Ltd	In Campus
8	Rohan Raktade	Technoforce Solutions (I) Pvt Ltd	In Campus
9	BhausahabTambe	Technoforce Solutions (I) Pvt Ltd	In Campus
10	Kartika Shrivastawa	Concentrix Pvt Ltd.	In Campus
11	Aditya Chaure	Sportstec bu Hudl Pvt Ltd.	In Campus
12	Ahwin Ponappan	Extramarks Pvt Ltd.	In Campus
13	Namrata Bhusatiu	Meticulous Research Pvt. Ltd	In Campus
14	Mohit Bagati	Capital Viva Pvt. Ltd	In Campus
15	Mayur Kshirsagar	Capital Viva Pvt. Ltd	In Campus
16	Sohil Cherkulwar	Sachi Engineers Pvt. Ltd	In Campus
17	Mahesh Barge	Thermaxpvt. Ltd	In Campus
18	Omkar Debadwar	Kantar pvt. Ltd.	Off Campus
19	Kartika Shrivastava	Beher Paints Pvt. Ltd	Off Campus
20	Pooja Vishwakarma	Nixii Engineers Pvt. Ltd	In Campus
21	Abhinandan Salagar	Worley Parsons Pvt. Ltd	In Campus
22	Vaibhav Bidwe	Convex Latex Pvt Ltd	Off Campus
23	Vinit Ponshe	Higher Education	
24	Doha Joshi	Higher Education	
25	Neelakshi D	Higher Education	

Industrial visits /Tours

- Industrial Visit Datta Hydrochem Pvt. Ltd., Kurkumbh for BE Chemical Engineering students was arranged for providing students the opportunity to see the concepts being used in practical situations.
- Industrial Visit R R Petroplast Pvt. Ltd., Pune for TE Chemical Engineering students was arranged for providing students the opportunity to see the concepts being used in practical situations.
- Industrial Visit Pune Zilha Sahakari Dudh Utpadan (Katraj Dudh Dairy) for SE Chemical Engineering students was arranged for providing students the opportunity to see the concepts being used in practical situations.
- Industrial Visit Pudumjee paper products Ltd. for SE Chemical Engineering students was arranged for providing students the opportunity to see the concepts being used in practical situations.
- Industrial Visit Ajinkyatara Sahakari Karkhana Ltd.Satra and shree Renuka Sugars Ltd Satara for BE Chemical Engineering students was arranged for providing students the opportunity to see the concepts being used in practical situations.

Provide objectives and outcome.

- Industrial visits expose the students to the practical challenges faced by organizations every day. By getting a first-hand look into the work, the students are able prepare themselves mentally and intellectually for their future work positions.
- Many Engineering concepts can be difficult to understand in a theoretical sense. Industrial visits provide students the opportunity to see the concepts being used in practical situations. They can ask questions pertaining to a particular concept, and understand how it can be used to provide solutions.
- Even a small amount of knowledge can help a student a long way. Industrial visits give the students a chance to interact with designers, engineers, and managers. They can receive various kinds of technical knowledge from experienced professionals. This can help them to adapt more quickly to a future work situation, which may involve technician.

Industrial Visit



Industrial visit at Datta Hydrochem Pvt. Ltd., Kurkumbh



Industrial visit at R R Petroplast Pvt. Ltd., Pune



Industrial visit at Pune Zilha Sahakari Dudh Utpadan (Katraj Dudh Dairy)



Industrial visit at Pudumjee paper products Ltd , Pune



Industrial visit at Ajinkyatara Sahakari Karkhana Ltd.Satra and shree Renuka Sugars Ltd Satara

Seminars (for Students)

Seminar on PCRA, Energy Conservation was organized by Chemical Engineering Department on 24th July 2018 (One day)

Resources Person: Mr. Sudhir Shah, Manager at PCRA

Beneficiary: 65

Coordinator: Mr. Ramansingh Thakur

The Petroleum Conservation Research Association (PCRA) is an organization established in India in 1978, under the aegis of the Indian Ministry of Petroleum and Natural Gas of Government of India that is engaged in promoting energy efficiency in various sectors of the economy. It helps the government in proposing policies and strategies aimed at reducing India's dependency on oil, in order to save money, reduce the environmental impact of oil use and also conserve fossil fuel.



Mr. Sudhir Shah delivering Seminar on Energy Conservation

Guest Lecture (for Students)

Guest Lecture on Career Guidance & Important of GATE for Engineer by VANI for Second & Third year students on 28/01/2019

Resources Person: Mr. Vasmi Krsishna,
Beneficiary: 72

Coordinator: Mrs. Kirti B Zare

The focus of this guest lecture was also to give a little insight on how to prepare for GATE exam. He has explained the students the pattern of the exam, subject wise breakup during exam, content.



Guest Lecturer by VANI Classes

Guest Lecture (for Students)

Guest lecture on Higher Studies & Career Guidance by Ablefields for Second & Third Year Students

on 28/02/2019

Resources Person: Mr. Vishal Sisodia

Beneficiary: 95

Coordinator: Mrs. Kirti B Zare

Higher education institutions assure the relevance of their knowledge, identify skills gaps, create special programs and build the right skills that can help countries improve economic prosperity.



Guest Lecture by Able field



Mr. Pravin Bagel were talked on Supply Chain Management and Marketing Strategy

Guest lecture on Chain Management and Marketing Strategy for Third Year Students on 22/09/2018

Resources Person: Mr. Pravin Bagel, Production Manager at Reliance's Industries Ltd

Beneficiary: 45

Coordinator: Mrs. Kirti B Zare

An organization's strategy that combines all of its marketing goals into one comprehensive plan. A good marketing strategy should be drawn from market research and focus on the right product mix in order to achieve the maximum profit potential and sustain the business.

Resources Person: Mrs. Rashmi Deshpande, Assistant Professor, Sinhgad College of Engineering

Beneficiary: 40

Coordinator: Mrs. Kirti B Zare

At the gas processing facility, natural gas liquids (NGLs) like ethane, propane and butane, are separated from the natural gas, and contaminants like water, carbon dioxide and hydrogen sulfide are removed, before being transported via liquid pipelines to oil refineries for processing.



Guest Lecture by Able field

Technical Events

Details of Technical Event is as follow

- Event Name : Model Making and Poster Presentation
- Day, Date, Year : Aug 2018
- Invited Speaker/ Expert/ Judge with Designation and contact details :

Dr. Shailesh Ghodke, HOD Chemical Engineering, DYPIEMR

Model building is which involves the creation of models either from kits or from materials and components acquired by the students. The kits contain several pieces that need to be assembled in order to make a final process model. Most model categories have a range of common scales that make them manageable for the average person both to complete and display. A model is generally considered physical representations of an object and maintains accurate relationships between all of its aspects.



Prof Dr. Dhambare is interacted with participants



Dr. Shailesh Ghodke and Dr. Utkarsh Maheshwari interacted with the Participants

Details of Technical Event is as follow

- Event Name : Junk War
- Day, Date, Year : July 2018
- Invited Speaker/ Expert/ Judge with Designation and contact details : Dr. Shailesh Ghodke, HOD Chemical Engineering, DYPIEMR and Dr. Utkarsh Maheshwari, Academic Coordinator, Chemical Engineering Department, DYPIEMR

Junk war is a competition where teams of contestants build a working machine that could do a specific task, using materials available in a scrapheap. The series features teams of four or five given particular time to build a process from Junk



Group 1



Group 2



Student Achievements:

1. Ms. Pratishtha Rao & Mr. Ajay Kadam successfully completed “NPTEL Elite Online Certification Course on Heat Transfer”.
2. Mr. Shivraj Khutwad successfully completed “NPTEL Elite Online Certification Course on Introduction to Basic Sanskrit”.
3. Ms. Lakshika Kotak successfully completed “NPTEL Elite Online Certification Course on Equilibrium in thermodynamics”.
4. Mr. Shridhar Baror , Mr. Kunal Kamthe, Mr. Pratik Gore has secured First Prize in water Quality Center of Excellaences at Vishwakarma University, Pune on 22nd March 2019.

E&TC Engineering Department

Mrs. Priya Charles
Head of the Department

About Department

Vision

To impart quality education to produce competent E&TC Engineers

Mission

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

Programme Education Objective

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

Programme Specific outcomes

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

Best Practices of department

1. Publication by students
2. Robotics Centre of Excellence
3. Copyright & Patent by B.E. students

Academic Excellence AY 2018-19

Sr No	Year	Passing Percentage	
		SEM I	SEM II
1	SE	37.33%	61.64%
2	TE	27.69%	57.57%
3	BE	62.9%	94.44%

Highlights of Academic Excellence in SPPU Examination for Semester –I 2018-19

SEM-I

Student Name	Class	Result
Priti Nagare	BE	8.82 SGPA
Pooja Garade	TE	9.26 SGPA
Abhishek Jadhav	SE	8.64 SGPA

SEM-II

Student Name	Class	Result
Priti Nagare	BE	9.02 SGPA
Niraj Bhadoria	TE	8.83 SGPA
Abhishek Jadhav	SE	8.94 SGPA

Research and Development

FDP Organized

1. The IOT using Python was organized by E&TC department from 11/06/18 to 15/06/18

Resource Person: Mr. Parth Shukla

Beneficiary: 50

Coordinator: Mrs. Amruta Chore

FDP aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This FDP serves as a platform for research scholars, faculty, and engineers to interact on cutting edge technologies in IOT



FDP on IOT using Python



FDP on IOT using Python

2. One Day Faculty Orientation Workshop on BE (E&TC/Elex) Revised Syllabus 2015 Course was organized by E&TC department on 13th July 2018 under aegis of Board of Studies Electronics, SP Pune University.

Resource Person: 1. Dr. Mrs. Sushama Shelke 2. Prof. Pratiksha Shevatekar 3. Prof. Manjusha Namewar 4. Prof. Suvarna Kadam 5. Mrs. Minakshi Atre 6. Prof. Priya Charles 7. Dr. Mrs. Ashwini Deshpande 8. Dr. Mrs. Mousami Turuk 9. Prof. Dr. Yogesh Dandawate

Beneficiary: (Count of Faculty Members): 45

Coordinator: Dr. Mrs. Sushama Shelke

The objective of this workshop was to orient the entire faculty towards the revised syllabus of BE (E&TC/Elex) and to bring in uniformity in teaching across all the colleges under the Savitribai Phule Pune University.



2. FOW on Revised BE Syllabus 2015 Course

FDP Attended

1. Mrs. Priya Charles, Dr. Sushama Shelke, Mrs. B. Lakshmipraba, Mr. M.H. Thigale, Mrs. D. N. Hire, Mrs. Amruta Chore, Mrs. Shweta Suryawanshi, Mrs. Amruta Nikam, Mr. Lokesh Giripunje, Mrs. Sandhya Shinde, Mrs. Neha Tiwari attended one week State level FDP on "IOT using Python" from 11th June to 15th June 2018 at DYPIEMR (E&TC) Dept.

2. Mr. Lokesh Giripunje attended FDP on "Elective-IV-WSN" of revised syllabus of B.E(E &TC/Electronics) 2015 under the aegis of Board of Studies (Electronics Engg.), SPPU, from 21st December 2018 to 22nd December 2018 at RMD Sinhgad

School of Engineering, RMD Sinhgad Technical Institutes Campus Warje, Pune.

3. Mrs. Amruta Chore attended FDP on "Mobile Communication" of revised syllabus of B.E(E &TC/Electronics) 2015 under the aegis of Board of Studies (Electronics Engg.), SPPU, from 13th December 2018 to 14th December 2018 at MMCOE, Karve Nagar, Pune

4. Mrs. Amruta Chore attended FDP on Security Analyst- Train the Trainer Program" from 15th June to 19 TH June 2018 at D. Y. Patil International University, Pune

Workshop Attended

1. Mrs. Priya Charles, Dr. Sushama Shelke, Mrs. B. Lakshmipraba, Mr. M.H. Thigale, Mrs. D. N. Hire, Mrs. Amruta Chore, Mrs. Shweta Suryawanshi, Mrs. Amruta Nikam, Mr. Lokesh Giripunje, Mrs. Sandhya Shinde, Mrs. Neha Tiwari attended "5 days Android based Robotics using Arduino & Raspberry Pi" on 13th to 16th July 2018 & from 29th to 30th August 2018 at Club Dronatika-The Robotics Club of E&TC Dept, DYPIEMR.

Workshop Organized

1. Mrs. Priya Charles, Dr. Sushama Shelke, Mrs. B. Lakshmipraba, Mr. M.H. Thigale, Mrs. D. N. Hire, Mrs. Amruta Chore, Mrs. Shweta Suryawanshi, Mrs. Amruta Nikam, Mr. Lokesh Giripunje, Mrs. Sandhya Shinde, Mrs. Neha Tiwari organized "Faculty Orientation Workshop" under the aegis of BOS E&TC, SPPU on 13th July 2018 at DYPIEMR (E&TC) Dept.

Trainings/ STTP Attended

Mrs. Sandhya Shinde attended one week STTP on "Advances in Wastewater Treatment" on 28th to 2nd June 2018 at DYPIEMR.

Mrs. Amruta Nikam attended one week STTP on "Advances in Wastewater Treatment" on 28th to 2nd June 2018 at DYPIEMR.

MOUs

1. Department of Electronics & Telecommunication has MoU with IndeyesInfo-tech Pvt. Ltd. for student training from 05/03/19 till discontinuation.
2. Department of Electronics & Telecommunication has MoU with Dolphin Labs for student training from 01/08/18 till discontinuation.
3. Department of Electronics & Telecommunication has MoU with Techfest, IIT Bombay for One day Workshop on "Speak: Stand to Express" on 28/09/18.
4. Department of Electronics & Telecommunication has MoU with Magna styer pvt.ltd for student guest lecture from 18/03/19 till discontinuation.
5. Department of Electronics & Telecommunication has MoU with ACE THE POWER OF FIVE for student guest lecture/ Internship/Sponsorship from 18/03/19 till discontinuation.
6. Department of Electronics & Telecommunication has MoU with Kannad services Pvt. Ltd. for student guest lecture/ Workshops/Sponsorship from 18/02/17 till 18/02/20

Patents filed by faculty

1. All faculties of E&TC department have published a patent titled "A seed sowing apparatus" on 02/11/2018.
2. All faculties of E&TC department have published a patent titled "An attendance monitoring system and a method thereof" on 02/11/2018.

Faculty publications in Journals

1. Mrs. Neha Tiwari published paper on "Automatic wheelchair using flex sensor" in International Journal of Advance Research In Science & Engineering, Volume: 7, Issue: 3, April 3, 2018.
2. Mrs. Neha Tiwari published paper on "Influential Node tracking on dynamic social network using Data Mining" in International Journal for scientific research and development, Vol 06 Issue 10, 2018
3. Mrs. Neha Tiwari published paper on "Smart Solution for Agriculture using Sensor Network and Internet of Things (IoT)", in International Journal for scientific research and development, Vol 06 Issue 10, 2018.
4. Mrs. Neha Tiwari published paper on "Automatic Infant Cradle", in Journal of Innovations in Engineering & Applied Science (JIEAS), 2018.
5. Mrs Sandhya Shinde published paper on "Automatic PCB Drilling Machine", in International Journal of Electronics, Electrical and Computational System, ISSN 2348-117X, Volume 7 Issue 3, March 2018
6. Mrs Sandhya Shinde published paper on "IoT based smart energy meter, monitoring theft detection and disconnection" in International Journal of Advance Research in Science and engineering, Vol- 7, Special issue no. 4 ISSN: 2319 8354, April 2018
7. Mrs Sandhya Shinde published paper on "SMART RATION DISTRIBUTION

SYSTEM USING AADHAR CARD” in Journal of Emerging Technology and Innovative Research, Volume 5, Issue 9, ISSN :2349-5162, September 2018

8. Mrs Sandhya Shinde published paper on “Wireless Data Acquisition Node Development” International for Research in Applied science & Engineering Technology, Volume 6 Issue X, ISSN:2321-9653, October 2018

9. Mrs Sandhya Shinde published paper on Pipeline Concept for Implementing High Speed and Low Area Digital Radix-2 CSD Multipliers, IJSRD – International Journal for Scientific Research & Development, Vol. 6, Issue 10, 2018 | ISSN (online): 2321-0613, December 2018

10. Mr. Lokesh Giripunje published paper on “Autonomous Cars: A Review on The Expected Future of Vehicle Technology” in Journal of Emerging Technology and Innovative Research, Volume 5, Issue 10, ISSN :2349-5162, Oct. 2018

11. Mrs. B. lakshmi praba published paper on “An Efficient Multi-Protocol Gateway Design Using ESP32 for Industry 4.0 and Electric Vehicle” in International Journal of Research in Engineering, Science and Management, Volume : 1 issue : 10, ISSN (Online): 2581-5792

12. Mrs. B.lakshmi praba published paper on “A CNC Plotter Using Arduino for PCB Prototyping” in International Journal of Research in Engineering, Science and Management, Volume : 1 issue : 10, ISSN (Online): 2581-5792

13. Mrs. B. lakshmi praba published paper on “A CNC Plotter Using Arduino for PCB Prototyping” in Journal of Emerging Technologies and Innovative Research”, Volume : 6 issue : 6, ISSN (Online): 2349-5162

14. Mrs. B.lakshmi praba published paper on “An Efficient Multi-Protocol Gateway Design Using ESP32 for Industry 4.0 and Electric Vehicle” international journal of Research and analytical reviews, Volume : 6 issue : 2, ISSN (Online): ISSN: 2349-5138

15. Mrs. Shweta Suryawanshi published paper on “Smart Solution for Agriculture using Sensor Network and Internet of Things (IoT)”, in International Journal for scientific research and development, Vol 06 Issue 10, 2018.

16. Mrs. Amruta Chore published paper on “Pipeline Concept for Implementing High Speed and Low Area Digital Radix-2 CSD Multipliers ” IJSRD – International Journal for Scientific Research & Development, Volume 6 Issue X, ISSN: 2321-9653, 2018

17. Mrs. Amruta Chore published paper on “Influential Node tracking on dynamic social network using Data Mining” in International Journal for scientific research and development, Vol 06 Issue 10, 2018

18. Mrs. Amruta Chore published paper on “Development of Data Logger System” in International Journal for Research in Applied Science & Engineering Technology, vol 6, ISSN: 2321-9653, 2018

19. Mrs. Amruta Chore published paper on “IOT BASED SMART ELECTRICITY METER AND BILLING SYSTEM” in International Research Journal of Engineering and Technology, vol 5, e-ISSN: 2395-0056 p-ISSN: 2395-0072, 2018

20. Mrs. D. N. Hire published paper on “A REVIEW PAPER ON AUTOMATIC POWER FACTOR CORRECTOR” in Journal of Emerging Technology and Innovative Research, vol 5, December 2018

Conference Publications

1. Mrs. Neha Tiwari attended International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET 2018) on topic "Automatic Wheelchair using Flex Sensor" at Genba Spohanrao Moze college of Engineering Balewadi-Baner, Pune on 7th April 2018.
2. Mrs. D. N. Hire attended 6 th National Conference on Advancements in Communication, Computing and Electronics Technology ACCET – 2019 on topic POWER FACTOR CORRECTOR COMPENSATION USING MICROCONTROLLER at Modern College of Engineering, Pune on 25-26 March 2019.
3. Mrs Sandhya Shinde attended International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET 2018) on topic "Automatic PCB Drilling Machine" at Dr D Y Patil School of engineering Lohegaon on 21st and 22nd March 2018.
4. Mrs. Neha Tiwari attended International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET 2018) on topic Android Controlled Notice Board at Dr. D. Y Patil Technical Campus Lohegaon, Dr. D. Y. Patil School of Engineering Pune, Maharashtra, India on 21st & 22nd March 2018, ISBN:978-93-87433-17-5.
5. Mrs Sandhya Shinde attended International Conference on New Era in Technologies, science and role of management on topic "IOT based smart energy meter, monitoring theft detection and disconnection" at Parvatibai Genba Moze college of engineering Wagholi, Pune on 9th and 10th April 2018
6. Mr. Lokesh M. Giripunje attended IETE Pune Centre Approved 6th National Conference on Advancements in Communication, Computing and Electronics Technology ACCET – 2019 on topic "RASP BERRY PI BASED AUTONOMOUS CAR " at Department of Electronics and Telecommunication, MES College of Engineering, Pune on March 25-26, 2019.
7. Mrs. B. Lakshmi Praba attended International conference on Advancement in Communication, Computing and electronics on topic "An Efficient Multi-Protocol Gateway Design Using ESP32 for Industry 4.0 and Electric Vehicle " at Modern College of Engineering on 25-26th March 2019
8. Mrs. Shweta Suryawanshi attended 11th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-18) on topic "COLOR SORTING ROBOTIC ARM USING ARDUINO" at Genba Sopanrao Moze College Of Engineering, Balewadi Baner, Pune on 7th April 2018.
9. Mrs. Shweta Suryawanshi attended 11th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM-18) on topic "AUTOMATIC BOTTLE FILLING SYSTEM USING PLC" at Genba Sopanrao Moze College Of Engineering, Balewadi Baner, Pune on 7th April 2018.
10. Mrs. Amruta Chore attended 6th National Conference on Advancement in communication, Computing, and Electronic Technology on topic "Advancement in Data Logger System" at Modern College of Engineering, Pune on 25-26 March 2018.

Invited Talks/Judge/Resource

1. Mrs. Neha Tiwari invited as a Resource person for Guest Lecture held at SIT, Lona-vala (E&TC) depton 4th September,2018.
2. Mrs. Neha Tiwari was invited as Judge for Model/Video Making Competition, at Department of Computer Engineering,DYPIEMRon 22nd September 2018
3. Mrs. Sandhya Shinde invited as a Resource person for Guest Lecture held at MarathwadaMitraMandal Polytechnic, Pune (E&TC) depton 22nd September,2018.
4. Mrs. Amruta Chore was invited as Judge for Model/Video Making Competition, at Department of Computer Engineering,DYPIEMRon 22nd September 2018
5. Mrs. Amruta Chore invited as a Resource person for Guest Lecture held at epart-ment of Computer Engineering,DYPIEMR on 10 September 2018
6. Dr. Mrs. Sushama Shelke invited as a Resource person for One Day Faculty Ori-entation Workshop on BE (E&TC/Elex) Revised Syllabus 2015 Course was organized by E&TC department on 13th July 2018 under the aegis of Board of Studies Electron-ics, SP Pune University.
7. Mrs. Priya Charles invited as a Resource person for One Day Faculty Orientation Workshop on BE (E&TC/Elex) Revised Syllabus 2015 Course was organized by E&TC department on 13th July 2018 under the aegis of Board of Studies Electronics, SP Pune University.

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PhD Registration:

1. Mr. Lokesh Giripunje has registered for Ph. D at the research centre “VIT Bhopal University”, in the area of Vehicular Adhoc Networks(VANET).
2. Mrs. Neha Tiwari has registered for Ph. D at the research centre “Sandeep University, Nashik”.
3. Mrs. Sandhya Shinde has registered for Ph. D at the research centre “Oriental University, Indore”.
4. Mrs. Amruta Chore has registered for Ph. D at the research centre “Oriental University, Indore”.

Faculties Remarkable Achievements

1. Mrs. D. N. Hire , Mrs. Amruta Chore, Mrs. Shweta Suryawanshi, Mrs. Amruta Nikam, Mr. Lokesh Giripunje , Mrs. Sandhya Shinde , Mrs. Neha Tiwari attended training program “Security Analyst (Train the trainer program) by NASSCOM” on 15/6/2018 to 19/6/2018 at DYPIEMR.
2. Mrs. Neha Tiwari successfully completed “NPTEL Elite Online Certification Course on Developing Soft Skills and Personality”.
3. Mrs. Neha Tiwari successfully completed “NPTEL Elite Online Certification Course on Problem Solving through Programming in C”.
4. Mrs. Sandhya Shinde successfully completed “NPTEL Elite Online Certification Course on Introduction to Research”.
5. Mr. Lokesh Giripunje successfully completed “NPTEL Elite Online Certification Course on “Introduction to Research”.
6. Mrs. Amruta Niakm successfully completed “NPTEL Elite Online Certification Course on Introduction to research”.
7. Mrs. Shweta Suryawanshi successfully completed “NPTEL Elite Online Certification Course on Introduction to Research”.
8. Mrs. Shweta Suryawanshi successfully completed “NPTEL Gold with Elite Online Certification Internet of Things”.
9. Mrs. D. N. Hire successfully completed with Elite grade NPTEL Online Certification Course on “Introduction to Research”.
10. Mrs. D. N. Hire successfully completed with Elite grade NPTEL Online Certification Course on “Stress Management”.
11. Mrs. Amruta Chore successfully completed with Elite grade NPTEL Online Certification Course on “Introduction to Research”.

Faculties Intercollegiate Activities

1. Mrs. Neha Tiwari delivered expert talk (guest lecture) on “Data structures” on 10th September, 2018, at DYPCOE (E&TC) dept.
2. Mrs. Neha Tiwari delivered expert talk (guest lecture) on “Binary search Trees” on 4th September, 2018, at SIT, Lonavala (E&TC) dept.
3. Mrs. Neha Tiwari had conducted an examination for DSA at D.Y. Ambi, Pune on 12th April 2018.
4. Mrs. Neha Tiwari had accessed SPPU papers for DSA & OOP for (SE) and SPOS for (TE) 2018.
5. Mrs. Sandhya Shinde delivered expert talk (guest lecture) on “Digital Multiplexing Techniques” on 22nd September, 2018, at Marathwada Mitra Mandal Polytechnic (E&TC) dept.
6. Mrs. Sandhya Shinde had accessed SPPU papers for Power Electronics (TE) 2018
7. Mr. Lokesh M. Giripunje had accessed SPPU papers for SS for (SE) 2018.
8. Mrs. Amruta Nikam had conducted an examination for RMT at sinhagad college Lohegaon on 25th April 2019
9. Mrs. Amruta Nikam had conducted an examination for RMT at TSSMS, Narhe on 26th April 2019
10. Mrs. Amruta Nikam had accessed SPPU papers for BCS for (BE) 2019
11. Mrs. Shweta Suryawanshi had accessed SPPU papers for ITC&CN for (TE) 2019
12. Mrs. Amruta Chore had accessed SPPU papers for Computer Networks and security (BE) 2018

Training and Placement

T & P Activities



Employability Enhancement Workshop by ASK Corporate Trainings



Expert Talk of Mr. Shrikant T S, General Manager - Engineering & Development for CREAT, UNO MINDA for Third year Engineering Students

Placement details

Batch 2018-19

Total Students:55

Students Interested in Placements:45

No. of Offers: 30

% Placements:66.66%

Sr. No.	STUDENT'S NAME	COMPANY NAME	PACKAGE IN LACS.
1	Rajnish Kumar	Valuelabs	4.0PA
2	Kamlesh Kale	Tata Elxsi	3.5PA
3	Shraddha Dhole	Fiserv	2.93 PA
4	Priti Nagare	Core Compete	4.2 PA
5	Surabhi Wandhare	TCS	3.36PA
6	Yash Thkaur	Mindtree	3.25 PA
7	Kaustubh Thakur	Go Speedy Go	4.12 PA
8	Pallavi Nilange	Minda	4.5 PA
9	Himanshu Sarkar	Amazon	2.01 PA
10	Divya Mundada	Amazon	1.71 PA
11	Arti Sherkhane	NTT Data	3.5 PA
12	Manjot Singh	Covergys	2.19PA
13	Gaurav Patil	Sportstec	2.64PA
14	Gaurav Shete	Sportstec	2.64PA
15	Dinesh Vyanjane	Sportstec	2.64PA
16	Mahesh Jadhav	Sportstec	2.64PA
17	Sagar Bawane	Sportstec	2.64PA
18	Gaurav Shete	Touchwood Automation	2.16PA
19	Kaustubh Thakur	Cognizant	3.8PA
20	Tejaswi Vichare	Birlasoft(India) Ltd.	3.25PA
21	Shubahngi Lachyan	Attria InfoTech	4.5PA
22	Aditya Samant	U & D Square	2.5PA
23	Aakansha Singh	Icertis Solution	1.5PA
24	Ankita Mehare	Mindtree	3.25 PA
25	Jayesh Ramane	BEP(India) Automotive systems	2.14PA
26	Pooja Yedage	Birlasoft(India) Ltd.	3.25PA
27	Prasad Mali	Birlasoft(India) Ltd.	3.25PA
28	Dinesh Vyanjane	Birlasoft(India) Ltd.	3.25PA
29	Pratik Salve	Tata Communication Ltd.	1.97PA
30	Tejaswi Vichare	LTI	3.5PA
31	Suyog Dande	YAZAKI India Pvt. Ltd	
32	Manjot Singh	Blue Pearl	0.96PA
33	Manjot Singh	Think and Learn Pvt. Ltd	10PA
34	Nishu Ranjan	TCS	3.36PA
35	Vijay Karewar	Cybage	4.0PA

Industrial visits /Tours

1. Industrial Visit to Efficient Toroidal Coil Corporation, MIDC, Bhosari, Pune. for SE E&TC students was arranged on 01/10/2018 for Electrical circuit machine subject. objectives: To know about different types of transformer



Industrial Visit to Efficient Toroidal Coil Corporation



Industrial Visit to Efficient Toroidal Coil Corporation

2. Industrial Visit at GMRT Khodad for BE E&TC students was arranged on 14/09/2018 to cover the content the beyond syllabus of RMT subject. Objectives: To know about information broadcasting and Electromagnetics Interference.



Industrial Visit at GMRT



Industrial Visit at GMRT

3. Industrial Visit at Pune Techtrol, MIDC Bhosari, Pune on 29/08/2018 for TE E&TC students for Mechatronics subject
Objective of Industrial Visit: To know about different types of Level sensor
Outcome of Industrial Visit: Students used the idea to prepare the kits of Mechatronics.



Visit at Pune Techtrol



Visit at Pune Techtrol

4. Industrial Visit at Logic Power company in Vadgaon Budruk, Pune on 10/07/18 for TE E&TC students.

Objective of Industrial Visit: To know about Embedded Company does Production, Testing, Packaging and Dispatching.



Industrial Visit Logic Power



Industrial Visit Logic Power

Student Development and Welfare

Students Association

Give Brief description of Student Associations, IEEE Student branch (STB 11442) is established at DYPIEMR on 10th Jan, 2019. After the inauguration various events conducted under IEEE student branch as Guest lecture on robotics & Artificial intelligence, Guest lecture on virtual reality, PC hardware workshop, etc.

Committee Members

IEEE Student branch		
Sr No	Name of student	Post
1	Shahaan Khatri	Student Branch Chair
2	Nikhil Kulkarni	Student Branch Vice Chair
3	Ujwal Kinge	Student Branch secretary
4	Ashwin Dande	Student Branch Treasurer
5	Anuja Padwal	Student Branch Treasurer

IE Student branch		
Sr No	Name of student	Post
1	Rachit Jain	President
2	Pranav Shah	Vice-President
3	OnkarAwhad	Treasurer

Events Organized with photos

Event Name : Guest lecture on Robotics & AI

Date of Conduction :27/2/2019

Brief Description : A Guest lecture on “Robotics & AI” was held in E&TC Dept by Mr. P. M. Salunkhe for SE E&TC & Mechanical students. The main objective of this talk was to make students aware with the new technology in robotics & AI.



Student attending GL on robotics & AI



Speaker during lecture

Event Name :E-waste management

Date of Conduction :25/9/2018 & 26/9/2018

Brief Description : E-waste management program arranged under IE (I) student branch for all students & faculties of DYPIEMR. The collected E-waste given to Kuldeep E-waste disposal Pvt. Ltd. to support green & clean environment.



Student Participated in E-waste management



Faculties participated in E-waste management

Student Club

Give Brief description of Student Club, Robotic Club “Club DronaTika” established in academic year 2016-17. Various activities conducted under the club like guest lectures, workshops, etc.

Committee Members

Sr No	Name of student	Post
1	Noel Babu	President
2	Ekta Prasad	Vice President

Events Organized with photos

Event Name :Guest lecture on Introduction to Drone

Date of Conduction :23/1/19

Brief Description :A Guest lecture on “Introduction to Drone” was held in E&TC Dept by MrAkashMalas&MrShubhamGhodke for SE & TE students. The main objective of this talk was to make students aware with the new technology in robotics i.e. Drone.

Resource Person:Mr. AakashMalas

Beneficiary: All SE & TE students

Coordinator: Mrs. D. N. Hire



Actual demonstration of Drone



Students attending GL on Introduction to Drone

Guest Lectures (for Students)

1: The Virtual reality was organized by E&TC on 30/01/2019.

Speaker details as

Name :Mr Nikhil Deshmukh

Designation :Founder

Company Name : Enigma Virtulux Technologies LLP,Pune

Beneficiary: SE,TE,BE : 62

Coordinator: Mrs Sandhya Shinde

A Guest lecture on “Virtual Reality & Augmented Reality” was held in E&TC Dept by Mr. Nikhil Deshmukh for SE, TE & BE students. The main objective of this guest lecture was to make students aware with the new technology virtual reality & augmented reality.

The guest lecture was given a head start by introduction to what is virtual reality & its applications in various areas. Speakers explained the following topics:

1. Introduction of Virtual reality & augmented reality
2. Current status of virtual reality & augmented reality.
3. Scope in this area in upcoming years.
4. Applications of this in various areas with examples.



Guest Lecture on Virtual Reality



Guest Lecture on Virtual Reality

2: The Industry 4.0 Standard was organized by E&TC on 10/9/2018.

Speaker details as

Name :Mr Shyam

Designation :Engineer

Company Name :Dox Pro Robotic Pvt Ltd

Beneficiary: BE : 43

Coordinator: Mrs.Sandhya Shinde

The resource person was Mr.Shyam from Dox Pro Robotics and he explained the students the need of industry 4.0 meaning for semiconductor manufacturers. He highlighted that the high cost of wafers make attaching electronic components to each wafer carrier or FOUP completely viable and presents huge benefits in increased production efficiency. Adding intelligence to materials and products facilitates the fully decentralized operations model associated with Industry 4.0.



Guest Lecture on Industry 4.0 Standard



Guest Lecture on Industry 4.0 Standard

3: The Recent Development in antenna was organized by E&TC on 26/9/2018.

Speaker details as

Name :Mr Anirudha Kulkarni

Designation :Team Leader

Company Name :Cyronics Instrument PVT Ltd

Contact Details: 9922998223

Beneficiary: 89

Coordinator: Mrs. Amruta Nikam

Guest lecture conducted for TE & BE E&TC student on 26/09/18 on the topic "Recent Developments in Antenna" The session was conducted by Mr.Anirudh Kulkarni in

which he has covered DRONE Antenna, Antenna under water, GPS Jammer Brigade used in TataMotors NEXA Project.

DRONE Antenna : simple monopole antenna used for transmission and Reception of signal

Antenna Under Water : Use of Piezoelectric transducers are a type of electroacoustic transducer that convert the electrical charges produced by some forms of solid materials into energy. The word “piezoelectric” literally means electricity caused by pressure.



Guest Lecture on Recent Development in antenna



Guest Lecture on Recent Development in antenna

4: The Signal Generation analysis & Processing using Lab view was organized by E&TC on 25/9/2018.

Speaker details as

Name : Mr. NitinShirude

Designation :Asst. Professor,

Company Name : PICT Pune

Contact Details: 8956210124

Beneficiary: 56

Coordinator: Mrs. Sandhya Shinde

A lecture was conducted on “Signal Generation, Analysis and Processing using Lab-View” on 25/09/18 for the SE students. This topic was identified as the content beyond syllabus for the subject Signals & Systems. The following topics were covered in this lecture.

- 1) Need of Lab View in Signals & Systems.
- 2) Importance of Lab View in Signals & Systems.
- 3) Limitations in old age software tools in comparison with Lab View.
- 4) How Limitations in old age software tools/systems are overcome in Lab View?



Guest Lecture on Signal Generation analysis & Processing using Lab view



Guest Lecture on Signal Generation analysis & Processing using Lab view

5: The Recent Trends in Application Layer was organized by E&TC on 11/9/2018.

Speaker details as

Name :Mr. Mandar Sonawane

Designation :CEO,

Company Name : ACE the Power of 5,Pune

Contact Details: 7387776659

Beneficiary: 38

Coordinator: MrsSandhyaShinde

The session was conducted by Mr. MandarSonawane, ACE The Power of Five, Pune.

In the sesion, a brief introduction about Computer Network was given. Sir also explained the following topics:

- What is DNS and its application
- How DHCP allocates dynamic addresses
- Explained about HTTP protocol
- How the IP address are allocated to each system
- How is Secure Socket shell(SSh) helps in security of network
- How Application layer protocols providing security for internet



Guest Lecture on Recent Trends in Application Layer



Guest Lecture on Recent Trends in Application Layer

6: The Higher Education .(GRE,IELTS,GMAT) opportunities overseas was organized by E&TC on 11/9/2018

Speaker details as

Name :MrYogeshRanga

Designation : Analyst

Company Name : Business Development, The Chopras, Pune

Contact Details: 9765499292

Beneficiary: 57

Coordinator: Mrs. Sandhya Shinde

ICareer Pathway Planning.

2 Further Education Planning.

3 Country Selection. University / Institution Selection Course Selection.

4 Test Preparation like, GRE,GMAT, IELTS, TOEFL, etc.

5 Admission Formalities including, scholarships, SOP,LOR etc.



*Guest Lecture on Higher Education
(GRE,IELTS,GMAT) opportunities overseas*



*Guest Lecture on Higher Education
(GRE,IELTS,GMAT) opportunities overseas*

7: The Scope for electronics engineer into the Mechatronics/ Robotics field was organized by E&TC on 8/9/2018.

Speaker details as

Name :Mr. Atul Chavan,

Designation :Sr. Mechatronics Engineer,

Company Name :Aliyance Technologies LLP,Pune

Contact Details: 8055013674

Beneficiary: 38

Coordinator: Mrs. Sandhya Shinde

The session was conducted by Mr.Atul Chavan currently working in Aliyance Technologies (Mechatronics Domain) (INDIA) LLP, Pune, in which he has covered term Mechatronics, Automation , sensors, Actuators, PLC . They also explained selection criteria for Sensors, Actuators, Motors.

They also took some example so that students can know how to use different sensors in variety of application. They clear the concept of selecting sensors by taking example of Bottle filling plant. They focus on PLC fundamentals. They also give scope of electronics engineer in Mechatronics and Robotics field



*Guest Lecture on Scope for electronics
engineer into the Mechatronics/ Robotics
field*



*Guest Lecture on Scope for electronics
engineer into the Mechatronics/ Robotics
field*

8: The Linked List was organized by E&TC on 11/9/2018.

Speaker details as

Name :Dr Sachin Babar

Designation :Prof and Head(CSE)

Company Name : SIT Lonavala

Contact Details: 9881383933

Beneficiary: 53

Coordinator: Mrs. Neha Tiwari

A Guest Lecture on Linked List was conducted in E&TC department on 21/8/18. The

lecture was conducted by Dr. S.D. Babar, HOD, SIT. The following topics of Data Structure and Algorithms were explained:

- 1) How to create Linked List
- 2) Types of Linked List
- 3) Applications of Linked List

The Lecture was proved to be very fruitful for the students as it covered all the important concepts related with Linked List in Data Structure and Algorithm



Guest Lecture on Linked List



Guest Lecture on Linked List

9: The Knowledge Representation in Artificial Intelligence was organized by E&TC on 25/7/2018.

Speaker details as

Name : Dr. Mrs. Prachi Joshi

Designation : Trainer

Company Name : Freelance Trainer on AI and Machine Learning

Contact Details: 9422315634

Beneficiary: 35

Coordinator: Mrs. Sandhya Shinde

A Guest lecture on "Knowledge Representation in Artificial Intelligence" was held in E&TC Dept by Dr. Mrs. Prachi Joshi for BE students. The main objective of this talk was to make students aware with the new trends and different techniques of knowledge representation in Artificial Intelligence

The guest lecture was given a head start by introduction to what is Artificial Intelligence is and the state-of-the-art of Artificial Intelligence



Guest Lecture on Knowledge Representation in Artificial Intelligence



Guest Lecture on Knowledge Representation in Artificial Intelligence

Seminars (for Faculty)

The Simulation and Control of Multi-domain Systems Using MATLAB and Simulink was organized by E&TC on 14/08/18

Expert Name: Mr. Prasanna Deshpande

Company Name: Math Works, Pune

Beneficiary: (Count of Faculty members): 51

Coordinator: Mrs. Amruta Chore

The Seminar on "Simulation and Control of Multi-domain Systems Using MATLAB and Simulink" was planned with a view to:

1. To make faculties and students aware with the concepts of MATLAB.
2. To understand Simulation Environment.
3. Improve students' knowledge about Multi-domain system.



Seminar on Simulation and Control of Multi-domain Systems Using MATLAB and Simulink

Seminars (for Students)

1. The Analysis of Algorithm was organized by E&TC department on 18/07/18

Expert Name: Mr. Suraj Kurde

Company Name: DYPCOE, Pune

Beneficiary: (Count of Student): 54

Coordinator: Mrs. Neha Tiwari

The Seminar on "Analysis of Algorithm" was planned with a view to:

1. To make students understand with the concepts of how to analyze an algorithm.
2. To understand complexities of Algorithms.



Seminar on Analysis of Algorithm

Workshops(for students)

The “5 days Android based Robotics using Arduino& Raspberry Pi”was organized byThe Robotics Club of E&TC Dept,DYPIEMR.) on 13th to 16th July 2018 & from 29th to 30th August 2018.

Expert details: Mr. Chittaranjan Mahajan, M.E. (Embedded & VLSI Systems)
E&TC,9763714869, 7276028051,www.dolphinlabs.net

Beneficiary:61

Coordinator:Mr.Lokesh M. Giripunje

Following topics are covered

1. Introduction to Open Source Technology–Arduino.
2. Learn the Arduino Programming.
3. Understand the GPIO interfacing.
4. Work with the Sensors.
5. Learn to Build Robot.
6. Learn Android App based Robot.
7. Learn how to build your computer using Raspberry Pi.
8. Learn the Basics of Python.
9. Understand the GPIO interfacing.
10. Work with the Sensors.



Participants with Robot



Expert delivering lecture to students

The workshop “Introduction to VHDL Programming” was organized by E&TC Department on 27/08/18.

Resource Person: Mrs. Priya Charles , HOD, E&TC Department.

Beneficiary: 36

Coordinator: Mrs. Lakshmiprabha

In the workshop, a hands on training was given to the students to write code in VHDL, synthesis the code and simulate the digital circuits using Xilinx software. The students simulated different types of digital circuits such as gates, adders, comparators, flip flops etc.The program proved to be very fruitful for the students as it was content beyond syllabus and the basic for VLSI subject.



Workshop on "Introduction to VHDL Programming"

The workshop "PCB Layout and Designing" was organized by E&TC Department on 23/8/18 & 24/8/18

Resource Person: Rajanish Kumar

Beneficiary: 58

Coordinator: Mrs. Amruta Chore

The main objective of this workshop was to focus on basics of PCB designing using Proteus software.



Workshop on "PCB Layout and Designing"

The workshop "PC Assembly" was organized by E&TC Department on 7/9/18

Resource Person: By the students for the students

Beneficiary: 16

Coordinator: Mrs. Neha Tiwari

Students Explained each and every part of PC.



Workshop on "PC Assembly"

The workshop “MATLAB and Simulink for Analog Communication” was organized by E&TC Department on 11th&12th Jan 2019

Resource Person: By the students for the students

Beneficiary: 34

Coordinator: Dr. Mrs. Sushama Shelke

The workshop was conducted hands-on in MATLAB and Simulink. The contents focused on studying MATLAB software and exploring its features and programming tools. It covered various applications in the fields like circuit design, signals and systems, analog communication and image processing



Workshop on “MATLAB and Simulink for Analog Communication

Technical Events

Details of Technical Event is as follow

- Event Name: Meshmerize
- Date, Year : 13th January, 2019
- Total Students:15



Team of Meshmerize



Round 1 mesh solving

Event Name:TECH-UNO
Date, Year :13th Feb, 2019
Total Students:32



Round 1 Quiz Solving



Round 2 Uno-Interfacing

Event Name: Circuitrix
Date, Year : 14th Feb, 2019
Total Students: 50



Round 1 Quiz Solving



Round 2 Component identification



Buzz me not



Buzz me not

Social Concern/ activities

Department organized Nachiket Balgram Visit on 29/09/2018 at Akurdi .



Nachiket Balgram Visit

Blood Donation Camp was organized in the honor of Dada's (DnyandeoYashwantrao Patil) birthday. It was organized by Dr. D.Y. Patil Institute Of Engineering, Management and Research (DYPIEMR) students and Dr D.Y. Patil Polytechnic in collaboration with the AFMC blood bank, on 22nd of October 2018.



Glimpses of blood donation camp with Team and Donars



Glimpses of blood donation camp with Team and Donars

“E-Waste Management”

E-waste Management program was conducted for all students & faculties on 25/09/18 in DYPIEMR from 9 am to 5 pm. This program was conducted at an Institute level by E & TC department. Since Rapid growth of technology, up gradation of technical innovations, and a high rate of obsolescence in the electronics industry have led to one of the fastest growing waste streams in the world which consist of end of life electrical and electronic equipment product such as: Refrigerator, Washing machines, Computers and Printers, Televisions, Mobiles, I-pods etc. Many of which contain toxic materials.



Glimpses of E-waste Management



Glimpses of E-waste Management



