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# ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE

Approved by AICTE, New Delhi, Recognised by Govt. of Maharashtra and  
Affiliated to Savitribai Phule Pune University, Pune.

Accredited by NAAC with 'A' Grade

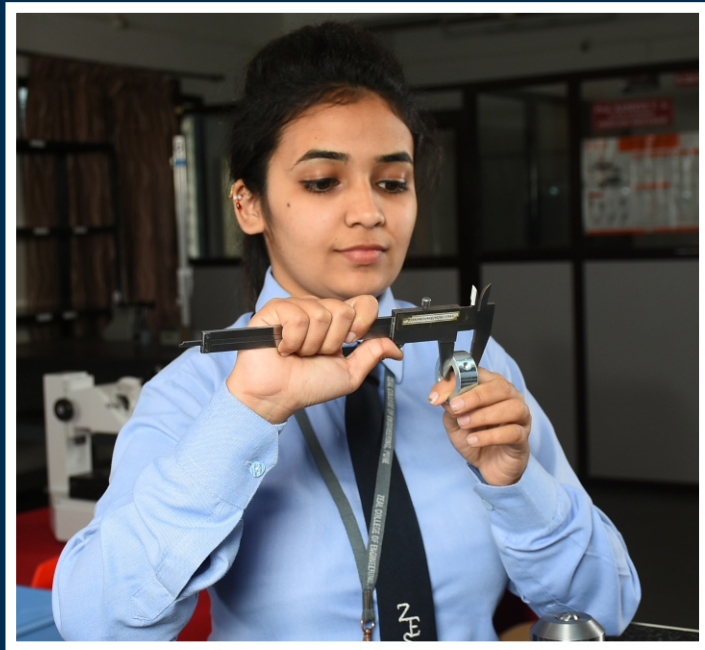
**DEPARTMENT OF MECHANICAL ENGINEERING**



# TECHMANTRA

Newsletter

# ABOUT DEPARTMENT OF MECHANICAL ENGINEERING



## VISION OF THE DEPARTMENT-

To be recognized as esteemed Mechanical Engineering Program to produce to competent engineer to meet the needs of industry and society

## MISSION OF THE DEPARTMENT-

- **M1** : To impart value-added education by creating an ambiance of academic excellence in teaching-learning processes.
- **M2** : To inculcate research approach through innovation and skill development centres.
- **M3** : By strengthening Industry-Institute interaction to imbibe the entrepreneur skill amongst the students.

## PROGRAM EDUCATIONAL OBJECTIVES:

- **PEO1** To Impart strong fundamentals to caters the needs of society and Industry.
- **PEO2** Encourage graduates to involve in research, higher studies, and/or to become entrepreneurs
- **PEO3** To Work effectively as individuals and as team members in a multidisciplinary environment with high ethical values for the benefit of society.



Dear Readers,

It is a very pleasant moment to know that Mechanical Engineering Department of Zeal College of engineering and Research Pune is publishing their new edition of Newsletter 'TECHMANTRA' in the academic year 2018-2019 semester first. The Department of Mechanical Engineering publishes newsletter "TECHMANTRA", it providing semester wise information of the students and staff activities taking place in inside and outside the campus. The newsletter comprises of all highlights of all events being organized in a semester including, sports activities, cultural activities, academic activities, professional society activities, etc. This Newsletter will reflect the intellectual as well as creative ideas of the students.

**Dr. A. B. Ubale**  
**HOD Mech.Engg.Dept.**

Dear Readers,

It is a great privilege to present the new edition of Newsletter 'TECHMANTRA'. We the team of TECHMANTRA would like to show our gratitude and heartfelt thanks to all student and faculty from mechanical department, those who have contributed to make this effort in a successful one. I am sure that this technical motivates students from Mechanical Engineering Department to participate extracurricular and co-curricular activities. We profusely thank our Principal Dr. A.M.Kate and Head of Mechanical Engineering Department Dr. A.B.Ubale for giving support and encouragement for successfully completion of this edition.

**Prof. S. A. Adewar**  
**Assistant Professor,**  
**Mech.Engg.Dept.**

## FDP STTP/WORKSHOPS ORGANIZED

2 days national workshop on "Solar Thermal and Electrical Applications" on 14th and 15th Dec. 2018. 50 Participants attended the work shop Department of Mechanical Engineering from Zeal College of Engineering and Research organized 2 days national workshop on "Solar Thermal and Electrical Applications" on 14th and 15th Dec. 2018. 50 participants attended the work shop. Dr. Anil K. Rajvanshi Director, Nibkar Agricultural Research Institute (NARI) Baramati was the chief guest and Prof. Dr. Ajit Kate, Principal, Zeal College of Engineering and Research was the guest of honour.



## EXPERT LECTURE ORGANISED

- **Mr. Ravindra Thorat**, PLM Logix PVT Ltd has delivered an expert talk on the topic "CAD Customization" to understand the concepts of customization and API for UGNX 10 on 29, August, 2018 for final year.
- **Dr. P. A. Patil**, JSCOE Hadapsar has delivered an expert talk on the topic "Desiccant-Based Air Conditioning Systems" to understand the concepts Air conditioning Systems 4/10/2018 for final year.
- **Dr. Sebastian C Uppapalli** has delivered an expert talks on the topic "Refrigeration and current Refrigerants used in Industries" on 6th September 2018 for second Year Students.
- **MR. SHREEJIT NAIR** has delivered an expert Lecture on the topic "Cost effective Welding for different fabrication" on 9th August 2018 for second Year Students.
- **Dr. Subim N. Khan** has delivered an expert Lecture on the topic "Geometric Dimensioning and Tolerancing in Industries" on 23rd August 2018 for second Year Students.
- **Prof. Rahul Krishnaji Bawane** has delivered an expert Lecture on the topic "Heat Transfer" on 09th Aug, 2018 for third year students.
- **Prof. V. D. Padalkar** has delivered an expert Lecture on the topic "Design Of machine elements" on 17th Aug, 2018 for third year students.







## FDP/STTP/WORKSHOPS/SEMINAR ATTENDED:

- **Prof. Mr. Akshay Karande** Attended National level workshop on "Alternative fuels" organized by SAE WIG, on 29th June. 2018
- **Prof. Mr. Sanket Shevale** Attended 1 week national level FDP on "Advances In material, Micro Machining & Management Practices" organized by RIT Islampur on 26 th - 30 Nov. 2018
- **Prof. Mr. Ritapure Parmeshwar** Attended International Conference on "International Conference on Tribology, TRIBOINDIA-2018" organized by VJTI Mumbai and Tribology society of India on 13th -15th December 2018
- **Mr. Jagtap Hanumant** has attended "Syllabus implementation workshop for subject Energy Engineering of BE Mechanical 2015 course" at JSCOE Pune on 30th June 2018
- **Prof. Mr. Barge Viraj H** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018
- **Prof. Mrs. Kulkarni Shalaka** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018
- **Prof. Mr. Randive Vitthal** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018
- **Prof. Mrs. Joshi Shalaka** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018
- **Prof. Mr. Sachin Borade** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018
- **Prof. Mr. Bhagat Amit** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018.
- **Prof. Mr. Manoranjan Jadhav** Attended National level workshop on "Multi criteria decision making methods & optimization techniques" organized by BSCOE Pune, on 28th and 29th Dec. 2018

## PARENTS MEETING:

The department has organized a Parent-teacher meeting on Saturday, 28 th July 2018 in the college at 11:00 am. The main purpose of meet was to create a common platform, where teacher and parents come together to enrich the student's educational experiences and discuss variety of issues, regarding all round development of students. Total 85 parents were present and interacted in the meeting. This meeting was chaired under, Principal Dr. Kate A.M., HOD Mechanical Dr. Ubale A. B., Dr. Prabhune C.R. & Dr. Kulkarni C.N. At very beginning of meeting, warm welcome was given by Prof. Mahadik to parents. Then Dr. Kate made parents aware of working culture of ZEAL, vision and mission of ZCOER.





## HANDS ON TRAINING ORGANIZED:

- Hands on Training Program on CAE –ANSYS 13.0 was organized for batch of 20 students of final year of Mechanical Engineering from 16/08/2018 to 6/9/2018 by Prof. Shraddha Adewar and Prof. Shalaka Kulkarni to enhance skills In the field of CAE. This program benefited Mr. Suyog Gosavi to get placement at Kranti Industries
- Hands on Training Program on CNC was organized for batch of 20 students of final year of Mechanical Engineering from 16/08/2018 to 7/9/2018 by Prof. Mahendra Kalyanshetti to enhance skills In the field of simulation and CNC machining through which Mr. Chavan Aman and Mr. Gavali Ritesh got placements.
- Hands on Training Program on Welding Technology was organized for batch of 25 students of Second year of Mechanical Engineering from 01/09/2018 to 8/9/2018 by Prof. Ashish Gandigude to enhance skills In the field of welding technology through which Mr. Tikhe Omkar, Mr. Shivaneekar Sarang, Mr. Joshi Tanmay and Mr. Waghmode Shubham got placements.
- Hands on Training Program on Geometric Dimensioning and tolerance was organized for batch of 20 students of Third year of Mechanical Engineering from 25/03/2019 to 11/4/2019 by Prof. Vitthal Randive and Prof. P. S. Kambale to enhance skills In the field of Metrology and Quality Control through which Mr. Baikar shantanu, Mr. Chitte Vikrant, Mr. Kudale Shubham, and Mr. Panchal Shubham got placements at Kranti Industries

