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## **DEPARTMENT OF MECHANICAL ENGINEERING**

**July 2016- Dec 2016**

**NEWSLETTER**

**Volume 16**

### **FROM HOD'S DESK**

*The spirit of improvement is not always a spirit of liberty; for it may aim at forcing improvement on an unwilling people.*

Mechanical Engineering is the largest of the engineering disciplines and a large number of mechanical engineers go into manufacturing of computer and electronic products, machinery and transportation equipment.

The department cares for student support, mentoring, tutoring, study skills workshops and career development. Mechanical Engineering students culminate their studies with a year-long capstone project requiring design problem solving, creative thinking, project planning and teamwork. A broad selection of technical electives encourages students to pursue special interests in design and manufacturing, energy and environmental issues, thermal and fluid sciences materials, dynamics & controls and robotics.

**Dr. Fauzia Siddiqui**



### **EDITORIAL BOARD**

Dr.Fauzia Siddiqui..... (Head of Department)

Prof. Abhijit Ranveer.....(Faculty in charge)

Prof. VitthalChormale.....(Faculty in charge)

## **VISION**

To emerge as a centre of excellence in academics and research in the field of Mechanical Engineering.

## **MISSION**

To create professionally competent engineers with analytical and research skills for promoting an environment of continuous learning.

## **PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)**

1. To create excellent mechanical engineers with core competency in mathematics, science and engineering enabling development of problem solving skills.
2. To strengthen themselves professionally and personally to accept responsibilities and pursue higher education in engineering and other professional fields.
3. To use modern tools and techniques necessary for mechanical engineering and allied disciplines leading to research and development.
4. To inculcate the students to work effectively in cross-functional teams and cultivate the principles of professional ethics and social responsibilities.
5. To develop the students adaptable to change in environment and application of appropriate methodology for value addition so as to support economic growth.

## **PROGRAM OBJECTIVES (PO'S)**

1. Ability to apply knowledge of Mathematics, Science and fundamental of Mechanical Engineering.
2. Ability to design and conduct experiments, as well as to analyze and interpret the data.
3. An ability to use techniques, skills and modern engineering tools necessary for engineering practice.
4. An ability to identify, formulate and solve engineering problems.
5. Committed to professional, social and ethical responsibility to function effectively as a team leader in engineering practices.
6. Inculcating self-discipline and self-confidence, and to make the students internally driven to set personal goals.
7. Ability to engage in life-long learning in order to maintain sustainable development even during the crisis.
8. An awareness of contemporary issues and broad understanding of the impact of engineering and technology on society.
9. Ability to understand environmental and contemporary issues.
10. Possess the skills to communicate effectively with a wide range of both engineering and non-engineering community.
11. Ability to work as a team and as an individual effectively and apply knowledge of management principles to handle projects in multidisciplinary environment.

## PROGRAMS ORGANIZED



Departmental Advisory Committee Meeting, 2016-17 was held on August 3, 2016.



ISHRAE Student Chapter Installation 2016 dated August 9, 2016.



CADTech-2016 State Level 3D Modelling CAD Competition sponsored by CAD Centre, Kharghar organized on September 17, 2016.



Industrial Visit for BE students at Reliance Thermal Power Station, Dahanu was organized on September 20 & 21, 2016.



Bringing the healthy interaction between parents and teachers Parents-Teachers Meet was held on September 24, 2016.



Expert Talk by Prof. S. M. Joshi, on "Heat Transfer" for TE students was held on September 28, 2016.



Industrial Visit for SE students at Deepak Fertilisers, Talaja, Navi Mumbai was organized on October 9, 2016.



Social cause event at Jeevan Jyoti Ashram, Kharghar was organized on November 17, 2016.



Industrial Visit at Mitsubishi Electric, Andheri East, Mumbai was organized on December 31, 2016.

### **ACADEMIC TOPPERS**

**ME:**

1. Bhokare Namrata

**BE:**

1. Abhay Bhutkar
2. Atul Shirke

**TE:**

1. Kunal Chavan
2. Prakash Gharti

**SE:**

1. Shubham Samal
2. Deepak Singh



## STAFF ACHIEVEMENTS

- ❖ Sanctioned Minor Research Grant of University of Mumbai to Prof. Madhukar Sorte and Prof. Sachin Solanke on January 14, 2017.
- ❖ Sanctioned Research schemes of Indian National Academy of Engineering to Prof. Sachin Solanke in the month of April 2017.

### FACULTY PUBLICATIONS :

Sr.no.	Name of Faculty	Total number of papers published/presented	Total number of papers published/presented in 2016-17
1	Dr. Fauzia Siddiqui	27	16
2	Prof. S.N. Teli	70	12
3	Prof. Madhukar Sorte	18	03
4	Prof. Geeta Karmarkar	04	02
5	Prof. Madan Jagtap	17	06
6	Prof. Abhijit Ranveer	05	03
7	Prof. Mitali Mhatre	05	02
8	Prof. Nilesh Chanewar	04	02
9	Prof. V.P. Suryavanshi	04	03
10	Prof. Dinesh Pargunde	03	01
11	Prof. Vishal Bhise	04	02
12	Prof. Prasanna Raut	10	05
13	Prof. Ganesh Jadhav	04	03
14	Prof. Amol Kadam	02	02
15	Prof. Sachin Solanke	03	01
16	Prof. Amol Bhagat	04	03
17	Prof. Sandeep Jadhav	06	03
18	Prof. Mugdha Dongre	03	01
19	Prof. Paramjit Thakur	08	04
20	Prof. Amit Chorge	02	02
21	Prof. Yogesh Dhumal	04	03
22	Prof. Rakesh Shinde	03	02
23	Prof. Siddhesh Lad	02	02
24	Prof. Amey Kulkarni	01	01
25	Prof. Pankaj Jadhav	09	02
26	Prof. Avinash Chavan	02	02
27	Prof. Suhas Jadhav	03	02
28	Prof. Suyog Patil	01	01
29	Prof. Ashish Bandewar	03	00