

Department Newsletter

Mechanical Engineering Department *SIES Graduate School of Technology, Nerul*

Newsletter 26th January 2019

Volume III, Issue 1

VISION OF THE DEPARTMENT

To be a Centre of Excellence in the field of Mechanical Engineering instrumental in Innovation, Entrepreneurship and Serving the needs of Society.

MISSION OF THE DEPARTMENT

- To create an environment that inspires students and staff to develop competency in Mechanical Engineering field.
- To create the infrastructure necessary for overall development of students to work on current technologies in the Industry.
- To provide entrepreneurial culture to tackle the problems of Society.

PROGRAM EDUCATIONAL OBJECTIVES

- Build a successful career in National or Multinational Organisations or as an Entrepreneur.
- Pursue higher education for professional development
- Exhibit ethics, values and good leadership qualities for organisational development.

PROGRAM SPECIFIC OUTCOME

- An ability to identify, formulate, solve, analyse and draw appropriate conclusions to mechanical engineering problems in the field of design and manufacturing.
- An ability to use the techniques, skills and modern engineering tools such as CAD-CAM, analysis and automation tools necessary for engineering practice.

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FACULTY PROFILE

| Sr No | Name | Qualification | Designation | Area of Interest |
|-------|---------------------|---|---------------------|---|
| 1 | Dr. Rupendra Nehete | Ph.D.(Production Engineering) | Professor | Manufacturing Renewable Energy Casting |
| 2 | Dr. Pradip Patil | Ph.D.(Production Engineering) | Associate Professor | Manufacturing systems and performance analysis Static and dynamics analysis of machinery |
| 3 | Prashant Ambadekar | M.E. (Production Technology and Management), PhD (pursuing) | Assistant Professor | Manufacturing, Industrial Engineering, Image Processing and Machine Learning |
| 4 | Ganesh Kadam | M.Tech. (Manufacturing) | Assistant Professor | Manufacturing, Material Technology, Energy Engineering, Heat-Power Engineering, Production Management |
| 5 | Siddique Ahmed | M.E (CAD CAM) | Asst Professor | Engineering Mechanics, Strength of Material , Engineering Drawing , Fluid Mechanics |
| 6 | Ali Ansari | M.Tech.(Mechanical) | Asst Professor | Engineering Mechanics, Strength of Material , Engineering Drawing , FEA |
| 7 | Onkar Potadar | M.Tech. (Manufacturing) | Asst Professor | Engineering Mechanics, Strength of Material , Engineering Drawing , Fluid Mechanics |
| 8 | Ajay Hundiwale | M.Tech (Thermal Engineering) | Assistant Professor | Heat Transfer, Refrigeration and Air Conditioning, Fluid Mechanics |
| 9 | Dr. Kaustubh Chavan | M.Tech. (Heat Power Engg.), Ph.D.(Mechanical Engg.) | Assistant Professor | Renewable Energy, Solar Thermal, Computational Fluid Dynamics (CFD) |
| 10 | Prajakta Kane | M.Tech (Thermal Engineering) | Assistant Professor | Passive cooling Techniques, ,Internal Combustion Engine, Automotive Engineering, Heat Transfer, Engineering Drawing |
| 11 | Lokpriya Gaikwad | M.E.(Manufacturing Systems Engineering) PhD (pursuing) | Assist. Professor | Manufacturing strategy, Quality Management, Production & Operation management |

| | | | | |
|----|-------------------|----------------------------|---------------------|---|
| 12 | Chandan Chaudhari | ME (CAD/CADM & ROBOTICS) | Assistant Professor | Mechanical System Design, Computer Aided Engineering, |
| 13 | Sagar Kadu | ME (Heat Power) | Assistant Professor | Refrigeration and Air Conditioning, Fluid Mechanics, Heat Transfer |
| 14 | Snehal Dhondkar | ME (Design) | Assistant Professor | Engineering Mechanics, Strength of Material , |
| 15 | Swapnil Firake | ME (Mechanical Production) | Assistant Professor | Engineering Mechanics, Strength of Material , Engineering Drawing , Fluid Mechanics |
| 16 | Rutuja Tande | ME (Heat Power) | Assistant Professor | Heat Transfer, Fluid Mechanics |
| 17 | Vijaya Chame | ME (Mechanical) | Assistant Professor | Strength of Material , Engineering Drawing , Fluid Mechanics |

NON TEACHING STAFF

| Sr.No | Name |
|-------|---------------------|
| 1 | Mr. Pravin Virkar |
| 2 | Mr. Vinayak Chikane |
| 3 | Mr. Yogesh Panchal |
| 4 | Mr. Arvind Patil |
| 5 | Mr. Amol Patil |
| 6 | Mr. Arun Annamalai |
| 7 | Mr. Ankush Gade |

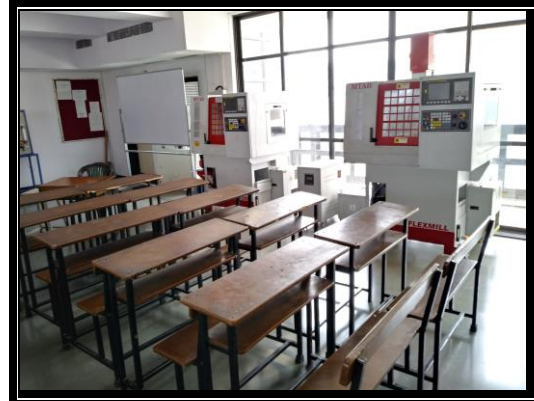
OUR CURRENT CLASS STRENGTH

| Year | Total No of students | Boys | Girls |
|------|----------------------|------|-------|
| SE | 73 | 68 | 05 |
| TE | 76 | 70 | 06 |
| BE | 84 | 78 | 06 |

DEPARTMENT INFRASTRUCTURE



RAC LAB



CNC LAB



HYDRAULIC LAB



MATERIAL TECHNOLOGY LAB



MACHINE SHOP



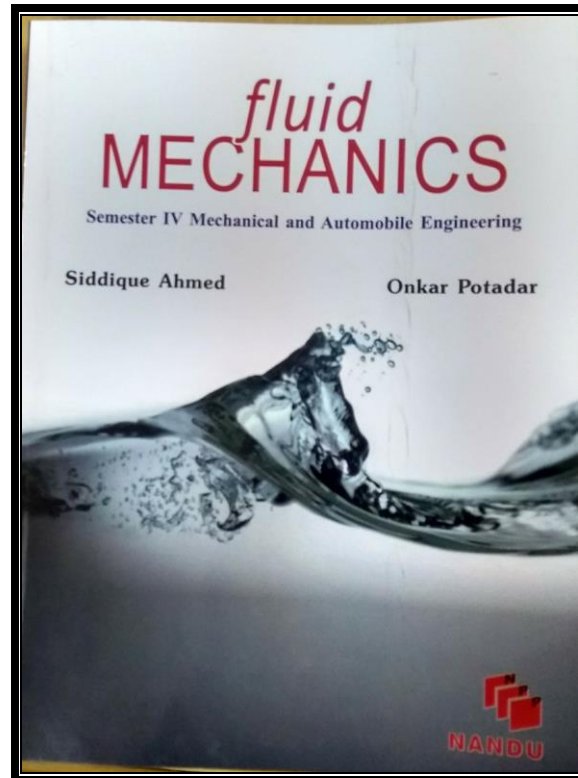
WORKSHOP

DEPARTMENT ACTIVITIES

- Industry Visit to Samiri Equipments & Engineers Pvt. Ltd., Plot no A-41, Road no. 12, Waghle Industrial Estate, Thane. | Hindustan Forging and Steel Industries Plot no F-6/1 & 2, Road no. 22 & 34, Waghle Industrial Estate, Thane. | Manibhadra Machine tools Pvt. Ltd., Plot no B-48/2, Road no. 30A, Waghle Industrial Estate, Thane. | Metalemms Bombay Pvt. Ltd., Plot No. A-184/185, 16Z Road, Wagle Industrial Estate, Thane – 400 604 by Faculties (Prashant Ambadekar, Ganesh Kadam, Sagar Kadu) was organised on 30/10/2018 for getting permission for industry visit, internship, projects for students and MOU.
- Industry Visit to Fortune Cars Pvt Ltd., Nerul, Navi Mumbai by Faculty (Mrs. Prajakta Kane) was organised on 6/10/2018 for getting permission for industry visit, internship, projects for students and MOU
- Industry Visit to Reshma Organic Chemical, Turbhe, Navi Mumbai and Sunbel Alloys Co, of India Ltd, Turbhe, Navi Mumbai. by Faculties (Sagar Kadu, Lokpriya Gaikwad, Ajay Hundiwale) was organised on 6/10/2018 for getting permission for industry visit, internship, projects for students and MOU
- Unveiling of team TurboCrafter ATV at GST quadrangle by Principal sir.



- A book on Fluid Mechanics by our Prof. Siddique Ahmed and Prof. Onkar Potdar



CLASS TOPPER**SE-SECOND HALF 2018 (Semester III)**

| Rank | Name of student | Roll no. | Seat no. | CGPI |
|-------------|------------------------|-----------------|-----------------|-------------|
| 1st | Sale Yash | 117A6047 | 38263045 | 9.73 |
| 2nd | Thorat Shantanu | 218A6079 | 38263075 | 9.69 |
| 3rd | Aggarwal Divyam | 117A6001 | 38263003 | 9.54 |

TE- SECOND HALF 2018 (Semester V)

| Rank | Name of student | Roll no. | Seat no. | CGPI |
|-------------|------------------------|-----------------|-----------------|-------------|
| 1st | Shetty Vishitraj | 116A6054 | 38265052 | 9.7 |
| 2nd | Thevar Varun | 116A6058 | 38265055 | 9.41 |
| 3rd | Jalalbisht Neeraj | 116A6019 | 38265019 | 8.81 |

BE- SECOND HALF 2018 (Semester VII)

| Rank | Name of student | Roll no. | Seat no. | CGPI |
|-------------|------------------------|-----------------|-----------------|-------------|
| 1st | Deepak Venna | 115A6061 | 14172926 | 9.91 |
| 2nd | Srushti Shinde | 216A6078 | 14172920 | 9.04 |
| 3rd | Ajith Ramakrishnan | 115A6003 | 14172886 | 8.7 |

DEPARTMENTAL ACHIEVEMENTS

- Prof. Lokpriya Gaikwad two papers are accepted for publication in Springer Journal.
- Prof. Ganesh Kadam, Prof. Swapnil Firake presented 2 papers in International Conferences (Techno-Societal 2018 – SVERI's COE, Pandharpur, 14-15 Dec, 2018)
- Prof. Prashant Ambadekar presented paper in RTIP2R 2018 – Solapur University, Solapur, 21-22 Dec, 2018.
- Dr. R. S. Nehete has published paper in the international journal of benchmarking published by Emerald on 29-11-2018 having scopus indexing

STUDENTS ACHIEVEMENTS

- **Industry Visit (IV) for Students** - An industry visit was conducted for T.E.(Mechanical) students from 26th December to 1st January 2019. Three faculties (Prof. Ajay Hundiwale, Prof. Lokpriya Gaikwad, Prof. Sagar Kadu) from department accompanied for the same. Industry visited was at Kansara Bearing, Jodhpur, Rajasthan. The purpose of the visit was to know the manufacturing process of roller bearing. This visit has achieved the objective of IV fully.
- **Student Internship** – Many S.E. and T.E. students went for industrial internship in the month of December after the end of exams.
- **Participation in Student Project Competition** – Two project groups from mechanical department participated in Avishkar project competition on 23rd December, 2018 at RAIT, Nerul. The title of the projects are 'Development of AI machine for crop yield improvement' and 'Application of VR technique for assembly of distributor valve of railway breaking system'.

All Time Favourite Crisps

Dear lays,

You are mine and many other people's 'go to snack'. When it's 4pm, and I'm bored out of my mind, with nothing to do. Netflix and a packet of lays, makes it all cozy. It doesn't matter if its me alone, or a group of friends, having a Sleepover, coke and lots of packets of you, make us happy.

Peoples will literally pull each other's hair off, in deciding which one of you is the best. The yellow being classic, the green bringing cheese flavours home, the blue having an Indian feel to it. I have tried and loved many. as a kid i loved the blue one. and then i grew up to find the green one. But then, my friend introduced me to you, and I fell in love with the orange, and I think I found my eternal love. Is it funny no one refers to you as your flavour name, but just the colour, or is it just an Indian thing?

You are so special, that you can make 'tinde ki sabzi' bearable. Any dish, with you on the side adds zingers to it. Lays with Maggie is what I enjoy the most. You will always have a special place in my heart, stay the same

Yours crunchingly,

Lays fan.

-Saili S.

Editorial Board:

- ✚ Dr. Rupendra Nehete [HoD, Mechanical Dept]
- ✚ Dr. Pradip Patil [Associate Professor, Mechanical Dept]
- ✚ Prof. Chandan D. Chaudhari [Assistant Professor, Mechanical Dept]
- ✚ Prof. Siddique Ahmed [Assistant Professor, Mechanical Dept]
- ✚ Mr. Hariprasad Ramanathan, Mr. Kamble Amit Ashok, Mr. Karthick Sridhar [Student Members, Mechanical Dept]

Editors Message

We heartily welcome to the first issue of volume III of our **Department Newsletter January 2019**. We are indeed very happy and proud in bringing this newsletter about the latest developments and programs in the department. Newsletter acts as a communication channel among the alumni, faculty, students and experts in Mechanical Engineering.