

Department Newsletter

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

Newsletter 26th January 2020

Volume IV, 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.

PEO

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

PSO

- An ability to identify, formulate, solve, analyze 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.

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 Hundiware	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	Ph.D*.(Mech.) M.E.(Manufacturing Systems Engineering)	Assist. Professor	Manufacturing strategy, Quality Management, Production & Operation management
12	Chandan Chuadhari	ME (CAD/CADM & ROBOTICS)	Assistant Professor	Mechanical System Design, Computer Aided Engineering,

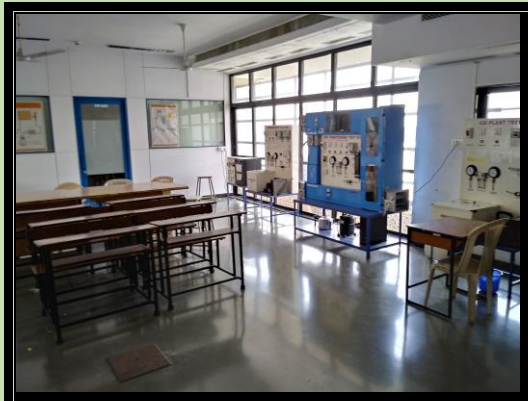
NON-TEACHING STAFF

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

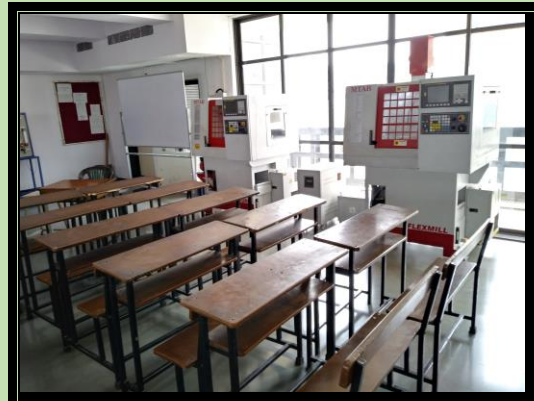
OUR CURRENT CLASS STRENGTH

Year	No of students	Boys	Girls
SE	71	63	08
TE	74	69	05
BE	73	66	07

DEPARTMENT INFRASTRUCTURE



RAC LAB



CNC LAB



HYDRAULIC LAB



MATERIAL TECHNOLOGY LAB



MACHINE SHOP



WORKSHOP

DEPARTMENT ACTIVITIES

- Conducted SDP on GATE awareness for all mechanical engineering. students by Vidyankar coaching centre on 20 September 2018.
- Conducted industry visit for second year students on 21 September 2019 at Hindustan Forging & Steel Industries (HFSI), Wagle Estate, Thane.



- Faculties (*Prof. Ganesh Kadam* and *Prof. Onkar Potadar*) visited the industry Metalems Bombay Pvt. Ltd., Thane on 21 September 2019 for getting an overview

on current going final year project (*Design and Manufacture of India's largest ladder*) as well as discussed future prospects for industry-institute interaction.

- Conducted SDP entrepreneurship awareness camp for final year students on 27-28 September 2019.



Faculty members and students at the entrepreneurship awareness camp

- SAE council conducted three events (1 - Roadrash, 2 - Automania, 3 - Design wars) on 28-29 September 2019.
- Four minor research research proposals are submitted by Dr.PradipPatil (2 nos.), Dr.KaustubhChavan (1 nos.) and Prof. LokpriyaGaikwad (1 nos.) to Mumbai University

- Mr.Pankaj Pathak from Alfa Laval delivered talk on ‘Projects in Heat Transfer in Alfa Laval’ conducted for BE students, Sem-VII, on 30 August, 2019.



Mr Pankaj Pathak delivering the talk

- Orientation program was conducted for the subject of Engineering Mechanics as per revised MU syllabus on 19 Sept 2019 wherein faculties from 61 engineering colleges participated.



Dr. Pradip P. Patil, on dias, addressing the Participants

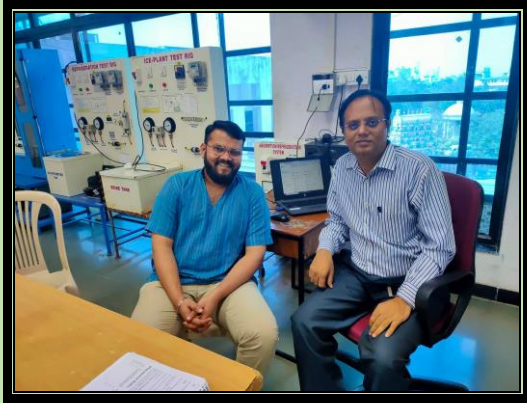
- Conducted SDP on industrial tools and techniques for BE students by industry expert Mrs.Divyanka Ingale from IDOS LLP on 20 Sept 2019
- Industrial Visit to Fortune Cars Pvt.,Nerul on 09-10-2019 of BE students for the subject Automobile Engineering.



- One Week AICTE-ISTE Approved Short Term Training Program on **Application of Object Oriented Programming in Mechanical Engineering** December 16-21, 2019



- Few of our Alumni came to our college to meet teaching staff



Abhishek Vasu, first batch Alumnus



Swapnil Mule of 2016 Batch

CLASS TOPPER

SE-SECOND HALF 2019 (Semester III)

Rank	Name of student	Roll no.	Seat no.	CGPI
1st	Vedanti Palaskar	118A6035	39263036	9.27
1st	Vedant Gaikwad	219A6065	39263065	9.27
2nd	Vaishnavi Wani	218A6070	39263070	9.12
3rd	Varun Hatkar	118A6011	39263012	9.08
3rd	Parameswaran V.	118A6036	39263037	9.08

TE-SECOND HALF 2019 (Semester V)

Rank	Name of student	Roll no.	Seat no.	CGPI
1st	Sale Yash P.	117A6047	39265043	9.7
1st	Thorat Shantanu	218A6079	39265071	9.7
2nd	Kadam Sumit	117A6021	39265020	9.56
3rd	Karthick Sridhar	117A6024	39265023	9.37

BE-SECOND HALF 2019 (Semester VII)

Rank	Name of student	Roll no.	Seat no.	CGPI
1st	Nanote Rikin	116A6033	14272242	9.52
2nd	Nair Premkrishnan	116A6031	14272262	9.36
3rd	Lavale Shubham	217A6070	14272240	9.32

DEPARTMENTAL ACHIEVEMENTS

- Dr. Rupendra Nehete and Dr. Kaustubh Chavan submitted technical paper to international journal IJMPERD (Scopus indexed) from Trans Stellar Publications.
- Dr. Pradip Patil submitted to the International conference on Intelligent Manufacturing and Automation, and accepted a paper on 'Prediction of Optimum Sheet Metal Blanking Clearance for IS513CR Steel Using Artificial Neural Network (ANN)', Proceedings published by Springer (Scopus indexed).

STUDENTS ACHIEVEMENTS

- Third Year student Gaurang Dandwate received second prize in university level quiz competition (NSS) on 'Life and works of Mahatma Gandhi' at Mulund College of Commerce on 25 September, 2019.
- Two project groups participated at the National Level Technical Paper Presentation Competition NLTPP-2019 at BVCOE, Kharghar on 20 September, 2019.

Sr. No.	Class	Name	Rank
1	BE	Chettiar Sairam, Siri Iyer, Chaudhari Raj, Chillara Sowmya	First
2	BE	Ghatage Avdhut, Jalalbisht Neeraj, Phapale Aishwarya, Shivathare Sahil	Second

BE MECHANICAL STUDENTS (2015-19 BATCH)



ARTICLE SECTION



Vishnu P A
Second Year , Mechanical

Team Turbocrafters is a part of SAE collegiate club of SIES graduate school of technology. Since its inception in 2013 the team has been taking part in various national level events held all over India. It is a group of 33 passionate, ambitious and enthusiastic engineers who build design and fabricate an all-terrain vehicle (ATV) which has achieved many accolades over the years and has brought glory to the college as well as the team. The team has built five ATVs till date with an aim to improve its design and performance every year. From Asura I to Ares, the team never ceases to amaze the crowd with its superb designs and aesthetics. Previous year, team bagged two 2nd prizes in static events at BAJA SAE Ropar with Ares. This year, the team has built the next beast in line, Ares II. Overcoming all the records created by the previous vehicles, Ares II has proved to be the best in line.

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. Vishnu P , Mr. Thakur Kautuk, Mr. Rishabh Naidu [Student Members, Mechanical Dept]

Editors Message

We heartily welcome to the first issue of volume IV of our **Department Newsletter January 2020**. 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.