

# Department Newsletter

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

Newsletter 15<sup>th</sup> August 2020  
Volume IV, Issue 2

### *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 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	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 Chaudhari	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	Total No of students	Boys	Girls
SE	71	63	08
TE	74	69	05
BE	73	66	07

## DEPARTMENT INFRASTRUCTURE



MECHANICS LAB



MQE LAB



PROJECT LAB



FLUID MECHANICS LAB



MECHATRONICS LAB



SOM LAB

## DEPARTMENT INFRASTRUCTURE



RAC LAB



CNC LAB



HYDRAULIC LAB



MATERIAL TECHNOLOGY LAB



MACHINE SHOP



WORKSHOP

## DEPARTMENT ACTIVITIES

- Dr. Rupendra Nehete organised IPR session for All faculty members of SIESGST for creating awareness about IPR on 18/01/2020
- Dr. Kaustubh Chavan organised AICTE MHRD IIC webinar sessions for all faculty members of SIESGST for creating awareness about Entrepreneurship, Innovation, startups, incubation, NISP guidelines and IPR to faculty members of SIES GST from 28/04/2020 to 20/05/2020
- Prof. Ajay Hundiware, Prof. Prashant Ambadekar and Prof. Lokpriya Gaikwad conducted webinar on “Program on Business Psychology” from 26/4/2020 to 28/4/2020 focusing on develop assessment strategies useful for making enterpreneur skill for the students.
- Dr. Kaustubh Chavan organised webinar on “AICTE-MHRD-IIC Leadership Talk Webinar” on 16/05/2020.
- Dr. Kaustubh Chavan organised webinar on “AICTE-MHRD-IIC Leadership Talk Webinar” on 23/05/2020.
- Prof. Ganesh Kadam and Prof. Prashant Ambadekar conducted Orientation Lecture on selection of Electives on 20/06/2020 which helped students to wisely choose the elective subject.
- Department has conducted 2 week Internship from 22/06/2020 to 4/07/2020. Topics are as follows a) *'Industrial drawing and modelling using AutoCAD and Solid works'* b) *'Heat Transfer & Fluid Flow using Ansys'* c) *'Modelling Robot Kinematics using Python Programming'*
- Dr. R. S. Nehete and Prof. Prashant Ambedkar organised webinar on smart factory automation by Mr. Aravind from MTAC technology Chennai on 3/06/2020 for students.
- Prof. Prashant Ambadekar has organised a webinar on Machine Learning by Dr. Bhagyesh Patil from John Deer Ltd under SAE India chapter for students and faculties on 20/06/2020.
- Dr. R. S. Nehete organised a webinar on New age tools for online teaching by Academisthan for students to enhance their knowledge in online teaching.

## CLASS TOPPER

### SE-FIRST HALF 2020 (Semester IV)

Rank	Name of student	Roll no.	Seat no.	Total Marks
1st	Vaishnavi Wani	219A6070	32164070	746
2nd	Varun Hatkar	118A6011	32164012	743
3rd	Vedanti Palaskar	118A6035	32164036	740

### TE- FIRST HALF 2020 (Semester VI)

Rank	Name of student	Roll no.	Seat no.	Total Marks
1st	Sumit Kadam	117A6021	32166021	666
2nd	Yash Sale	117A6047	32166044	658
3rd	Shantanu Thorat	218A6079	32166073	637

### BE- FIRST HALF 2020 (Semester VIII)

Results are not declared by Mumbai University

Rank	Name of student	Roll no.	Seat no.	Total Marks
1st	Thevar Varun	116A6058	14282229	712
2nd	Agnihotri Atul	116A6002	14282211	707
3rd	Patil Rohit	116A6036	14282224	704

## DEPARTMENTAL ACHIEVEMENTS

SR No	Concerned Faculty / Faculties	Event Details & Description	Date of Event	Outcome/s
1	Dr. Kaustubh Chavan	Participated in ISTL organized by Mumbai ISHRAE chapter	13/02/2020	Team was selected in top 8 and final round at 5th position
2	Dr. Pradip P. Patil	Webinar on AutoSim 200	15/04/2020	Create a understanding of the software and methodologies of Automation
3	Dr. Pradip P. Patil	Webinar on Industry 4.0	22/04/2020	Enhanced the knowlegde and helped to understand new fields and techniques, skills for the future industries.
4	Dr. Pradip P. Patil	Webinar on Hydraulics and pneumatics	29/04/2020	Develop better understanding of developing hydraulic and pneumatic circuits.
5	Dr Pradip P Patil	Program is conducted through online mode and covers topics on OBE	29/04/2020 to 02/05/2020	Develop detailed understanding of the purpose of OBE and its use for NBA accreditation for the department.
6	Prof.Ganesh Kadam	Webinar and live tour of 3D Printing leading	03-05-2020	Helped in knowledge enrichment on 3D



		towards Industry 4.0 by BIHER, Chennai on 3rd May, 2020.		printing process and applications.
7	Prof.Ganesh Kadam and Prof. Ajay Hundiwale	Webinar on 'Heat transfer and fluid flow for a Heat exchanger unit using Ansys Fluent' by FCRIT Vashi.	08-05-20	Helped in getting knowledge on basic overview of how Ansys Fluent can aid in virtually analysing and visualising heat transfer phenomenon in a simple heat exchanger.
8	Prof.Gaikwad Lokpriya	"How to Improve the Citation and Write Research papers"	01-05-2020	Helped in improving citation and writing quality papers
9	Prof.Gaikwad Lokpriya	Smart Use of ICT Using WordPress	11-05-2020	Helped in smart use of ICT
10	Prof.Gaikwad Lokpriya	NAAC Awareness Programme for Faculty	08-05-2020 TO 14-05-2020	Helped in understanding different criteria of NAAC
11	Prof.Gaikwad Lokpriya	“Research Methodology and Tools	11-05-2020 to 15-05-2020	Helped in choosing different research methods and tools
12	Prof.Gaikwad Lokpriya	Metro Rail Technology- Practices & Issues"	11-05-2020 to 15-05-2020	Helped in understanding metro rail technology and practices
13	Prof.Gaikwad Lokpriya	SCILAB	11-05-2020 to	Helped in

			15-05-2020	research work
14	Prof.Gaikwad Lokpriya	Research, Funding Projects & IPR	07-05-2020 to 10-05-2020	Helped in research work, IPR and funding project work
15	Prof.Gaikwad Lokpriya	NAAC: Systematic Data Organization and Presentation	16-05-2020	It will help in NAAC data collection and organization
16	Prof.Gaikwad Lokpriya	Intellectual Property Rights Process	22-05-2020	It will help in IPR process
17	Prof.Gaikwad Lokpriya	Research paper writing & Intellectual Property Rights	18-05-2020 to 19-05-2020	Understood effective paper writing and IPR process
18	Prof.Prashant K Ambadekar	One week FDP in association with Spoken Tutorial IITB, Mumbai On "Python" conducted by Universal College of Engineering, Kaman	04-05-2020 to 08-05-2020	Able to create and execute program in Python
19	Prof.Prashant K Ambadekar	Online FDP on "Machine Learning and Deep Learning Applications in Engineering & Science" conducted by Government college of engineering Karad.	16-05-2020 to 20-05-2020	Am able to conduct seminar on AI
20	Prof.Ajay Hundiwale	Opportunities in Post Covid-19 India, by Pillai	21/05/2020	it will help to know the opportunities and

		College of Engineering, Panvel		skills required after covid -19
21	Prof.Ajay Hundiwale	What is required for successful Research Proposal by Pillai College of Engineering, Panvel	23/05/2020	It will help in quality paper writing
22	Prof.Prajakta Kane	Smart Manufacturing - Leveraging Industry 4 by BIZM Consulting Pvt. Ltd	17 May2020	Helped in knowledge enrichment on smart engineering
23	Prof.Prajakta Kane	2 days Online FDP on Online teaching Learning Practices and Tools by SIESGST	8 and 9 May2020	It will help in conducting online lectures
24	Prof.Ganesh Kadam, Prof.Lokpriya Gaikwad, Dr. Pradip Patil	2 days Online FDP on first phase of training to enhance skills in online teaching learning by Prof. Prasad Iyer	19th June and 24th June, 2020	Will enhance skills in online teaching learning.
25	Dr. R.S. Nehete	Yoga day celebration at Siesgst	21 June	Improve fitness
26	Prof.Ajay Hundiwale	5 days Online FDP on "Python" organized by DAVV Indore in association with IIT Bombay	1st June to 5th June 2020	It will help to understand Python Language
27	Prof.Ajay Hundiwale	3 days (2 hours per day) Online	1st June to 3rd	It will help to avoid mistakes

		FDP on "Protecting you in Cyberspace" organized by Pillai College of Engineering, Panvel	June 2020	during day to day online activities and transaction
28	Prof.Ajay Hundiwale and Prof.Prajakta Kane	Online Orientation Lecture on selection of Sem-7 elective subjects (PCF and Automobile) through google meet	20th June, 2020	Will enable students to wisely choose the desired elective subject.
29	Prof.Gaikwad Lokpriya	One week FDP on "The Effective Techniques of Teaching and E-Commerce"	1st June to 5th June 2020	To understand new techniques in teaching and E-commerce
30	Prof.Gaikwad Lokpriya	Webinar on "Introduction to IoT and Case Studies on Industrial Applications" Organized by BVCOE, Navi Mumbai	4th & 5th June 2020	It help to understand IoT and case studies in Industrial applications
31	Prof.Gaikwad Lokpriya	Webinar on "Intellectual Property Rights" Organized by Department of Mechanical Engineering, V. P. Dr. P. G. Halakatti College of Engineering & Technology,	5th June 2020	It help during patent and research work

		Vijayapur		
32	Prof.Gaikwad Lokpriya	Webinar on Design Thinking and IPR, Organized by Govt. Engineering College, Haveri	14.06.2020	Help in research work
33	Prof.Gaikwad Lokpriya	One week FDP on 'Improving Teaching Learning Experience using Best Practices' organized by D. J. Sanghavi College of engineering, Mumbai	15.06.2020 to 19.06.2020	Help in online lectures
34	Prof.Gaikwad Lokpriya	National webinar on "How to write and publish resercah papers using TYPESET Research studio" organized by RIT, Islampur	22.06.2020	Help in writing research papers
35	Prof.Gaikwad Lokpriya	Yoga day celebration at Siesgst	21 June	to Improve Improve fitness

## STUDENTS ACHIEVEMENTS

1. 27 students have attained 72 hours of value-added course on Heat Transfer and Fluid Flow Analysis using Ansys Fluent from 22 June to 3 July, 2020
2. 23 students have attained 72 hours of value-added course on Industrial drawing and modelling using AutoCAD and Solid works from 22 June to 3 July, 2020
3. 45 students have attained 72 hours of value-added course on Modelling Robot Kinematics using Python Programming from 22 June to 3 July, 2020
4. Students of SE, TE and BE participated in various events in TML 2020.
5. SAE student team Turbocrafters participated in National level event all-terrain vehicle competition ATVC 2020 at Vadodara, Gujarat and secured AIR 1 in Suspension & Traction, AIR 1 in Cost, AIR 1 in Mega Marketing Round, AIR 4 in Maneuverability, AIR 3 in Endurance and overall AIR 3rd rank at national level.
6. SAE student team Turbocrafters participated in National level event all-terrain vehicle competition BAJA 2020 at Indore during 22-26 January 2020 and secured 1st in Mumbai, AIR 8th in maneuver, AIR 6th in endurance and overall AIR 11th rank at national level.



7. In-house internship was conducted on topics ‘Design and Manufacturing of Drill Jig & Maintenance of Various Machines in Machine Shop’ and ‘Design and Development of Spiral Tube Heat Exchanger’ for students of SE and TE respectively



8. Conducted SDP training program on Energy Savings for TE students by industry expert Mr Sambhaji Kadam from PCRA on 24 Feb 2020.



9. Department organized and conducted Parents-Teachers Meet wherein faculties interacted with parents and delivered seminars on activities of department and institute on 29 February 2020.



10. Conducted industry visit for TE students at Milestone Institute, Thane on 29 February 2020



11. Facilitated BE students to appear for placement preparation tests FNAT and FNCODE in SIES GST from Firstnaukri on 4 March 2020.

12. Conducted field visit for BE students to show solar water heating system at SIES Old Age Home, Nerul on 9 March 2020.

13. Facilitated students of TE and BE to attend seminar on Digital Marketing by Performics Convonix in SIES GST auditorium on 13 March 2020.

14. Conducted industry visit under ISHRAE for SE, TE and BE students at Mitsubishi Electric India Pvt. Ltd., Andheri on 13 March 2020.

15. Facilitated TE students to participate in Campus Recruitment Training-CRT from MyPostGrad in SIES GST on 14 March 2020.



## ARTICLE SECTION



Saily S

Third Year, Mechanical

### All Time Favorite 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.

People 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.

-Saily 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. 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 August 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.