

Department Newsletter

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

Newsletter 31st December 2022

Volume VI, 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 | Ali Ansari | M.Tech.(Mechanical) | Asst Professor | Engineering Mechanics, Strength of Material , Engineering Drawing , FEA |
| 6 | Ajay Hundiwale | M.Tech (Thermal Engineering) | Assistant Professor | Heat Transfer, Refrigeration and Air Conditioning, Fluid Mechanics |
| 7 | Dr. Kaustubh Chavan | M.Tech. (Heat Power Engg.), Ph.D.(Mechanical Engg.) | Assistant Professor | Renewable Energy, Solar Thermal, Computational Fluid Dynamics (CFD) |
| 8 | Prajakta Kane | M.Tech (Thermal Engineering) | Assistant Professor | Internal Combustion Engine, Automotive Engineering, Heat Transfer, Engineering Drawing |
| 9 | Lokpriya Gaikwad | Ph.D*(.Mech.) M.E.(Manufacturing Systems Engineering) | Assist. Professor | Manufacturing strategy, Quality Management, Production & Operation management |
| 10 | 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 | 51 | 45 | 06 |
| TE | 69 | 64 | 05 |
| BE | 70 | 65 | 05 |

DEPARTMENT INFRASTRUCTURE



MECHANICS LAB



MQE LAB



PROJECT LAB



ΦΛΥΙΔ ΜΕΧΗΑΝΙΧΕΣ ΛΑΒ



MECHATRONICS LAB



SOM LAB

DEPARTMENT INFRASTRUCTURE



RAC LAB



CNC LAB



HYDRAULIC LAB



MATERIAL TECHNOLOGY LAB



MACHINE SHOP



WORKSHOP

DEPARTMENT ACTIVITIES

- Conducted special lectures for DSE students for Sem-III in online as well as offline mode.
- Provided guidance and orientation to SE and TE students for selection of topics for second year mini-projects.
- Provided guidance and orientation to BE students for selection of topics for final year projects.
- The department organized various SDPs for SE, TE and BE students.
- The department organized inhouse internship for SE, TE and BE students.

- Motivated and facilitated students of SE, TE and BE to attend webinars, online sessions and online workshops related to technical topics, internships, higher education and job opportunities, and the information for the same were provided from time-to-time.
- IQAC audit
- NAAC and AQAR data uploading.
- ISHRAE student chapter installation 2022-23.
- IIIE student chapter installation 2022-23.
- Orientation for DSE students.
- Organised ISTE approved STTP
- Organized Parents-Teachers Meet.
- Faculty-Alumni interaction.
- Training and Placement.
- Installation ceremony of ISHRAE SIES GST Student Chapter for 2022-23 was carried on 11th October, 2022.
- Organized and conducted online parents-teachers interaction on 24th September, 2022.
- Conducted TE mini-project presentation on project progress on 29th and 30th September, 2022.
- NAAC AQAR work
- NAAC SSR work

DEPARTMENTAL ACHIEVEMENTS

- Prof. Prashant Ambadekar, Dr. Rupendra Nehete and Mr. Yogesh Panchal conducted two week SDP value-added course on 'Computer-Aided Manufacturing' for SE, TE and BE students from 20th June to 1st July, 2022.

- Prof. Prashant Ambadekar, Dr. Rupendra Nehete and Mr. Yogesh Panchal conducted one week in-house internship on 'Machine Maintenance' for SE, TE and BE students from 4th July to 9th July, 2022.



- Prof. Prashant Ambadekar received certificate of appreciation for active support as Faculty Advisor during Student Convention 2021-22 from SAEINDIA Western Section in July 2022.

CERTIFICATE OF APPRECIATION

SAEINDIA Western Section presents this Certificate to

Prof. Prashant Ambadekar

of SIES Graduate School of Technology, Nerul, Navi
Mumbai for Active support as a Faculty Advisor during
the Student Convention 2021-22

Ramesh Pasarija

Ramesh Pasarija
Executive Director
SAEINDIA WS

Sanjay Nibandhe

Sanjay Nibandhe
Chairman,
SAEINDIA WS

Dr. Shrinivas Metan

Dr. Shrinivas Metan
Convener
Student Convention 2021-22

- Prof. Prashant Ambadekar, Dr. Rupendra Nehete and Mr. Yogesh Panchal conducted two week SDP value-added course on Computer-Aided Manufacturing for SE, TE and BE students from 23rd June to 6th July, 2022.

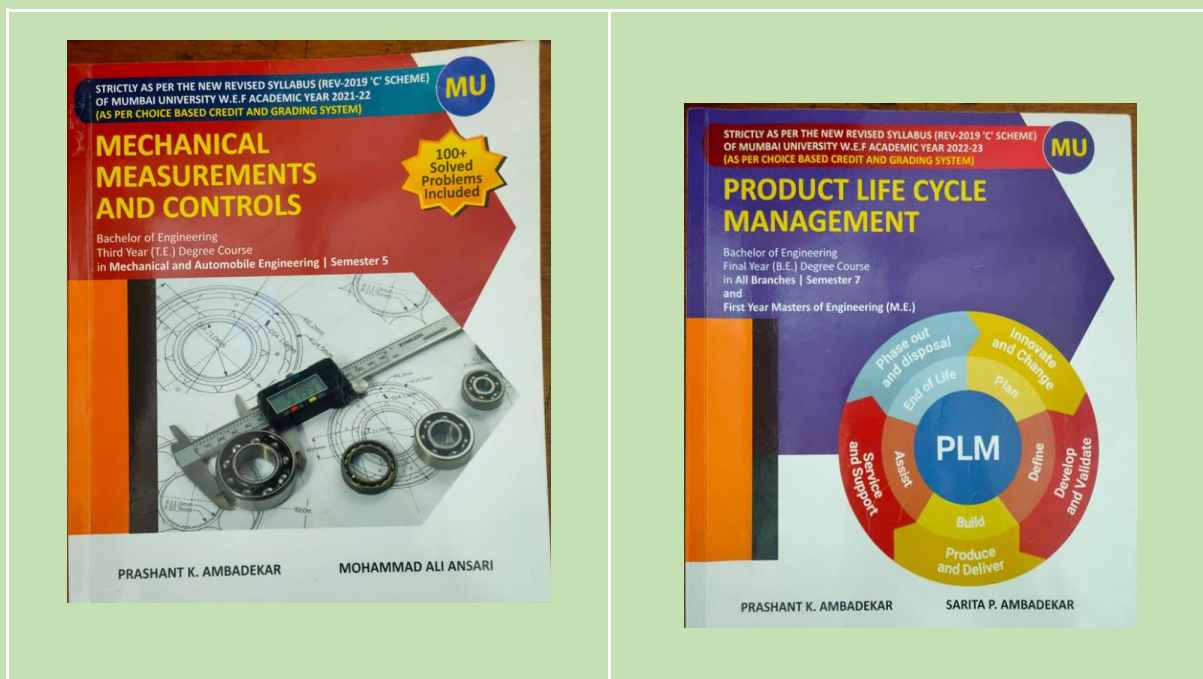


- Dr. Rupendra Nehete was elected as one of the members of IIIE National Council 2022-2026 of Indian Institution of industrial Engineering, Navi Mumbai on 30th July, 2022.
- Dr. Lokpriya Gaikwad delivered expert lecture on ‘Models in Inventory Management – SCM and Logistics’ for students of BE in St. John College of Engineering & Management, Palghar on 6th October, 2022.
- Faculties participated in webinar on ‘New Education Policy and it's implementation’ by Dr. Suresh Ukarande, Principal, KJSIEIT, Sion organized by IQAC, SIES GST on 8th October, 2022.
- Faculties participated in FDP ‘Awareness session on financial planning and wealth management’ by Mr. Harshad Chetanwala, Mywealthgrowth.com organized by Central Training Department SIES and IQAC SIES GST on 14th September, 2022.
- All faculties have attended a workshop on MENTORING planned under IQAC of SIES Graduate School of Technology (SIESGST) in collaboration with SIES School of Learning and Leadership Development (SIESSLDD) on December 09, 2022, 11:00am to 1 pm conducted by Dr. A. K. Sen Gupta
- Dr. Lokpriya Gaikwad delivered an expert lecture **for final year students on “Digitization in Supply Chain Management”** in the Mechanical Engineering department at G. M. Vedak Institute of Technology, Tala – Indapur on 10 Dec. 2022.

Co-Curricular Activities

- Dr. R.S. Nehete paper published in Springer titled Numerical Analysis to Investigate the Effect of Solidification Parameters on the Pull-In Effect of Continuous Casting, Applications of Computation in Mechanical Engineering, Springer, Singapore, Lecture notes in Mechanical Engineering, 29 November 2022, pp 313-325 (ISBN: 978-981-19-6032-1)
- Dr. Pradip P. Patil presented a research paper on “Investigation of Quality of clean-Cut surface for sheet metal blanking using Decision Tree” in an international conference on intelligent manufacturing and automation organized by D J Sanghvi College of Engineering, Mumbai 18 –19 Nov 2022.

- Dr. Lokpriya Gaikwad presented a research paper on “Cost of Poor-Quality analysis in Auto Industry: A case study” in an international conference on intelligent manufacturing and automation organized by D J Sanghvi College of Engineering, Mumbai 18 –19 Nov 2022.
- Dr. Lokpriya Gaikwad published a book on “Logistics & Supply chain management” for final year Mechanical students under Nirali Prakashan, Nov. 2022. ISBN: 978-93-95951-46-3.
- Dr. Lokpriya Gaikwad published a book on “Project Management” for final year students under Nirali Prakashan, Jan. 2023, ISBN: 978-93-5451-924-6.
- Dr. Lokpriya Gaikwad published a paper on “**Applications of Lean Six Sigma: A Literature Review**” in the *journal of Thermal Energy Systems, Vol. 7, Issue 3, Dec. 2022.* EISSN: 2582-5747.
- Prashant K. Ambadekar and Mohammad Ali Ansari published a book on “Mechanical Measurements and Control” for Mechanical Engineering under Nirali Prakashan. The ISBN number of the book is ISBN 978-93-5451-679-5.



- Prashant K. Ambadekar published a book on “Product Lifecycle Management” for Engineering under Nirali Prakashan. The ISBN number of the book is ISBN 978-93-9595-115-9.

Training & Placement Activities

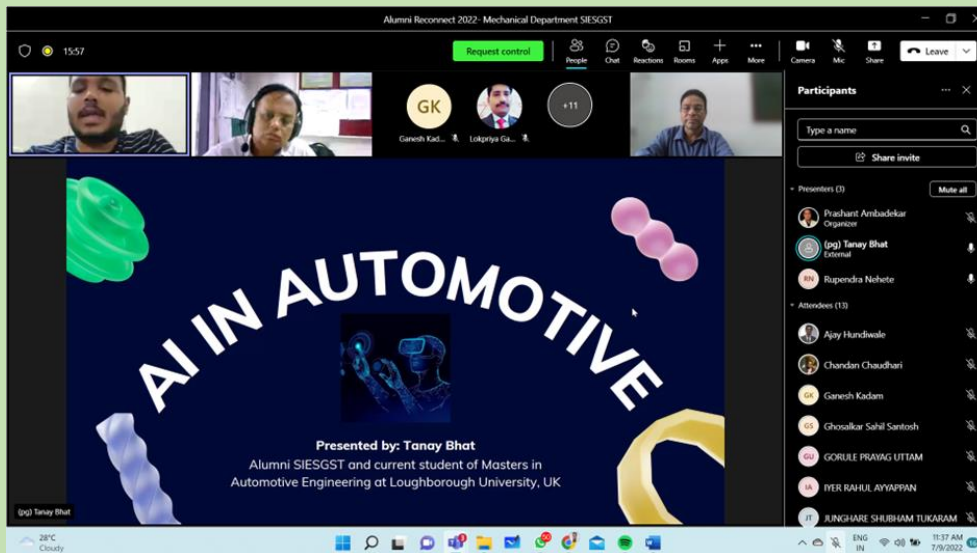
- Carrier guidance session on GATE/MPSC/UPSC was conducted on 4/4/2022 for TE and BE students



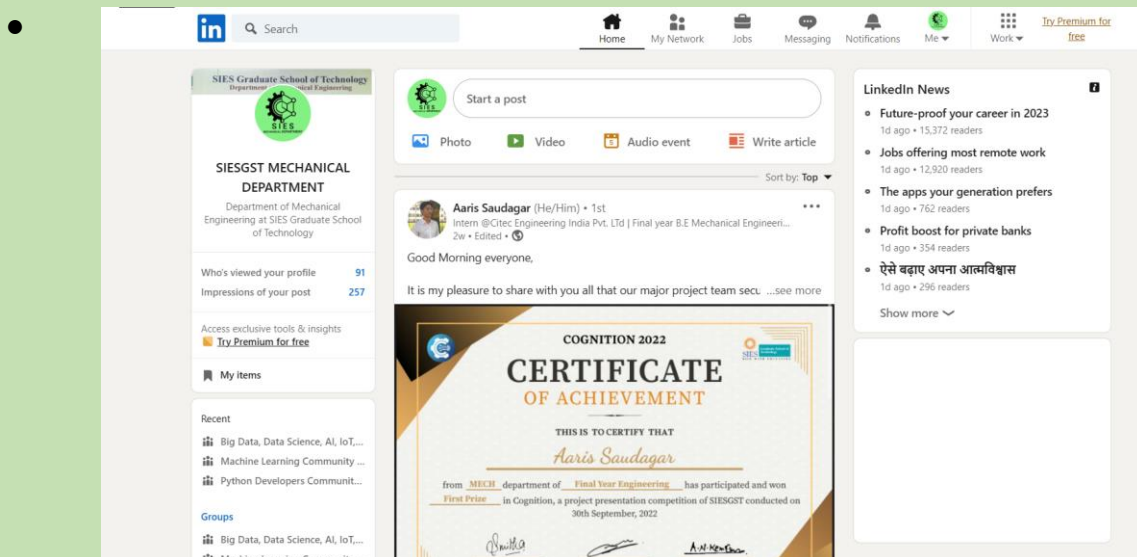
- Campus Credential Workshop was conducted for BE students on 17/03/2022

Alumni Activities:

- Organised and conducted 'Alumni Reconnect 2022' event for alumni interaction on 9th July, 2022.
- Alumni-Student interaction was arranged as a part of Alumni Reconnect event on 09/07/2022, wherein talk was delivered by Mr. Tanay Bhat.



- A department page was created on LinkedIn to bring all Alumni and students on same page along with faculty.



STUDENTS ACHIEVEMENTS

- Students published their papers at various conferences held in institutes
- Student Gaurang Kanetkar from T.E. (Mech) stood 2nd in University of Mumbai 400m Swimming competition in September 2022.
- BE student Master Aaris Saudagar (220A6058) got selected for National Level Kickboxing Championship 'WAKO India National Seniors & Masters Kickboxing Championship 2022' and secured Bronze Medal in Team Kata, Bronze Medal in team PF Kickboxing, and 5th place in Individual PF Kickboxing which was held in Chennai Tamil Nadu from 18-22nd August, 2022.
- Shreya Sampat won a prize at university level in a cultural singing event in September 2022.
- Department organized and conducted a one week in-house internship on 'Machine Maintenance' for SE, TE and BE students from 4th July to 9th July, 2022.
- Department organized two week SDP value-added course on Computer-Aided Manufacturing for SE, TE and BE students from 23rd June to 6th July, 2022
- Organized and conducted SDP industry expert seminar session on 'Product design and 3D printing, and career prospects in plastic processing industry' by AIPMA, Mumbai for TE and BE students on 6th October, 2022
- Prof.Chandan Chaudhari conducted SDP Arduino Workshop under SAE, SIES GST open for students from all branches and year on 30th September, 2022.
- Organized workshop on Arduino on 30th September 2022 by SAE student chapter 70 students participated
- BE students (4 project groups) and TE students (3 mini-project groups) participated in 'Cognition 2022 Project competition' organized by SIES GST, Navi Mumbai on 30th September, 2022.
- Department organized and conducted SDP Arduino Workshop under SAE, SIES GST open for students from all branches and year on 30th September, 2022.
- Students are offered value added programs for internal internship in various domains between 19 December to 7th January. The Mechanical department conducted value added program on Robotics and automation from 2nd January to 7th January 2023.

- 40 students are doing external internships in various industries in winter break.
- Cognition Project Competition organized in Mechanical department on 30 September 2022



- conducted expert lecture on Plant Automation using Robot and PLC given by Mr.Swapnil Mule, Emcure Pharmaceuticals Ltd on 13 Oct 2022 for TE Mech students



- conducted expert lecture on Industry Projects in Waste Management Industries given by Mr. Atish Shetty, Shubham Acqualink Pvt. Ltd. on 04 Oct 2022 for TE Mech students



- conducted expert lecture on Product development and 3D Printing an opportunities in Plastic processing industries given by Mrs. Ameya Jadhav and Mr. Sandip J, on 06 Oct 2022 for BE Mech students



- conducted ISHRAE Installation Ceremony and Talk given by Industry experts from ISHRAE on 11 Oct 2022 for Mechanical students







ISHRAE SIES GST CHAPTER
presents
Installation ceremony of the Student Chapter
On 11th October, 2022 at 4:00 pm
Venue: Auditorium

*ISHRAE Mumbai Chapter cordially invites you,
for the student chapter Installation ceremony of SIES GST, Nerul*



Mr. Sanjay Kumar Verma
Zonal Chair,
SA-West



Mr. Vivek Marde
Student Activity Chair,
IMC



Dr. Kavita Dhanawade
Associate HOD, Mechanical
Dept. ,LTCOE
Student Activity Co-Chair

Dr. Kaustubh Chavan
(Faculty Coordinator)

Dr. Rupendra Nehte
(HOD Mechanical Engg. Dept)

Dr. Atul Kemkar
(Principal)



Editorial Board:

- ✚ Dr. Rupendra Nehete [HoD, Mechanical Dept]
- ✚ Dr. Pradip Patil [Associate Professor, Mechanical Dept]
- ✚ Prof. Chandan D. Chaudhari [Assistant Professor, Mechanical Dept]
- ✚ Prof. Prashant Ambadekar [Assistant Professor, Mechanical Dept]
- ✚ Mr. Nikhil Sachidanand , Mr. Shivam Varade, Mr. Shubham Varade [Student Members, Mechanical Dept]

Editors Message

We heartily welcome to the first issue of volume VI of our **Department Newsletter August 2022**. 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.