



The newsletter of Department Mechanical Engineering
MECHPULSE

Academic Year 2022-23 Term I

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Our Inspiration

**Shri Shahu
Chhatrapati Maharaj
President, AISSMS**



From Principal's Desk:



DR. D S Bormane

I'm glad to signify that with conclusion of this year academic year, AISSMS College of Engineering has completed 30 grand years of its establishment. It gives me immense indulgence to promulgate that last year our institute had been accredited with Grade A+ by national Assessment and Accreditation Council (NAAC).

AISSMS COE as an outcome of academic excellence achieved, is again and again producing University gold medalists and top rankers in different branches of engineering. Faculty is dynamically involved in research and development.

The teaching program also gives emphasis on practical approach through industry-institute interaction. College organizes various Symposia, Workshops, Conferences and national level students' symposium and exposition 'AISSMS Engineering Today', Cultural Event like Shivanjali and Inter collegiate event named Ashwamedh every year which are a grand success. College has high participants in Sports as well as Cultural Activities.

It gives me enormous feat to present in front of you 'MECHPLUSE' Mechanical Department Newsletter. I want to congratulate Mechanical Department for dynamic activities in pandemic circumstances. I wish all the best to the aspiring students, employers and all other stake-holders in Mechanical Department achieving their goals.

“Science can amuse and fascinate us all, but it is engineering that changes the world.”

FORM EDITORS DESK....

It gives us great pleasure to hand over to you "MECHPLUSE" the newsletter of Mechanical engineering department.

The department runs two undergraduate programs viz. Mechanical Engineering, Mechanical Engineering (Sandwich) and PG program in Design Engineering as specialization. Department also run research Centre leading to Ph.D. Program. The department vision is to be excellence in value based on Mechanical Engineering Education.

Mechanical Engineering Sandwich pattern programme emphasizes on industrial training to students within four years of the study. Students are placed for training in the industry as per the curriculum of Savitribai Phule Pune University. The student learns industrial practices and also professional ethics.

MECHPLUSE is platform to communicate and underline department actions towards students development. Hope you will find this newsletter informative. Your suggestions for improvement in the newsletter are welcome.

Editors

FROM HOD'S DESK...



A hearty welcome to the Department of Mechanical Engineering at AISSMS College of Engineering, Pune. The department has well qualified and dedicated faculty. The department strives to Impart knowledge and training of the highest standard.

The objective of the department is to prepare students for a successful career in Industry, Research and Academics to meet the needs of growing technology. The department has well qualified and dedicated faculty. The department strives to Impart knowledge and training of the highest standard. The objective of the department is to prepare students for a successful career in Industry, Research and Academics to meet the needs of growing technology. Students showcase their talent in various sports and intercollegiate technical events and bag prizes.

Our graduates are working in Multinational Companies, Defense Services, and Academic Institutions in India and abroad. Last but not least our Technical supporting staff is unique in its own way. Students, as well as visitors, find them very friendly, amicable and highly intelligent!

BE STUDENTS 2022-23



Staff Achievement

Dr B D Bachchhav

Research grant received 17.2 Lakhs from AICTE-MOROBs for Modernization of Tribology Laboratory

Department Vision

- To be recognized as a premier centre in the field of Mechanical Engineering Education.

Department Mission

- To strive continuously for an advancement of academics and lifelong learning through effective teaching learning process.
- To strengthen industry-institute interface, association with professional societies to develop leadership, team work and industry oriented attributes through internship.
- To develop skill based mechanical engineering professionals for sustainable development through project based learning and active research.

Department Goals

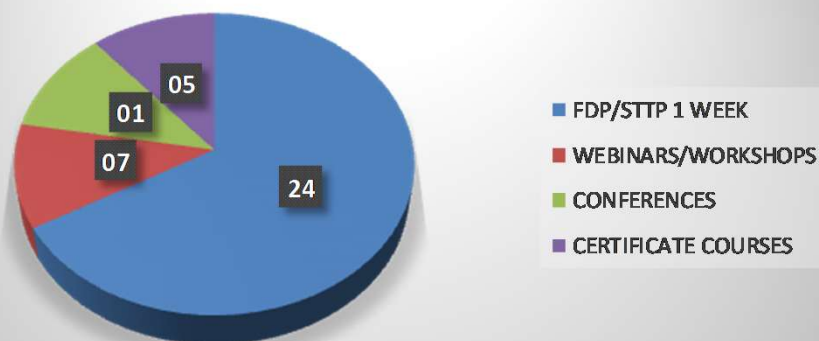
Short Term Goals

- To enhance interaction with industry
- To strengthen association with professional bodies
- To establish a research centre
- To increase number of value added courses
- To modernize laboratories.

Long Term Goals

- To establish centre of excellence.
- To improve the qualification of faculties
- To help students for academic excellence to reach global standards.
- To maximise entrepreneurship development activities.
- To obtain accreditation from reputed bodies

Faculty contribution



STAFF PUBLICATIONS

Sr. No.	Faculty Name	Publication Detail	Year
1.	Dr Chandrakishore S. Choudhari	A review of the design and experimental validation of the polycarbonate Pelton Turbine, International journal of Scientific research in Engineering and management, 2582-3930	2022
2.	Dr M. M. Sayyad	Investigations into Multi-scale Mechanical Characterization of Bamboo- a Natural Material, J. Inst. Eng. India Ser. C (December 2022) 103(6):1389–1397, Springer	2022
3.	Dr B D Bachchhav	Selection of Spot Welding Electrode Material by AHP, TOPSIS and SAW, International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2022)	2022
4.	N N Gotkhindikar	A comprehensive study on material and performance characteristics of Fused deposition modelling: current scenario and future research direction, (ICFMMP-2022)	2022
5.	N N Gotkhindikar	Deep Neural Network Model for Better Print Line Connection in Fused Deposition Modelling, (ICFMMP-2022)	2022
6.	Dr P S Gajjal Dr M R Dahake	A Novel Optimal Solution for Utilizing Plastic Waste for Making Construction Material, International Journal of Engineering Trends and Technology, 2231-5381	2022
7.	Dr P S Gajjal Dr M R Dahake	A Novel Optimized Vibration Analysis System for PG Rotatory System, International Journal of Dynamics and Control, 2195-2698	2022
8.	M P Bauskar	A Review Paper On Recent Developments In Six Sigma, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), 2581-9429, Volume Issue 1	2022
9.	M P Bauskar	A Review on recent Trends in Hydrogen Fuel Cell, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), 2581-9429, Volume Issue 2	2022

Industry meets



MOU signed with E-Addict Mobility Solutions Pvt. Ltd OPC Pune



Industry Institute Meet

Activities

AISSMS
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आयएमएस संकलनद्वारा
Accredited by NAAC with "A+" Grade

Department of Mechanical Engineering
and
SAE Collegiate Chapter
Organizes an Expert Lecture on

Topic: "Fundamentals of Electric Vehicle and Future Challenges to Engineers"

➤ **Day & Date:** Wednesday, 28/ 09/2022
➤ **Time:** 10:00 am onwards
➤ **Venue:** CITP Hall

Faculty Coordinators:
Dr. Priya Gajjal
Dr. M R Dahake

Speaker
Mr. Shyam Ramnani
Expertise in Electric Vehicle Mechatronics and Automation

Dr A V Waghmare Faculty Advisor
Dr. S. V. Chaitanya Head Of Department
Dr. D. S. Bormane Principal

Department Vision:
To be Recognized as Premier Centre in the field of Mechanical Engineering Education



Expert talk by Mr. Shyam Ramnani, Expertise in Electrical vehicle, Mechatronics and Automotive Engineering (28/09/2022)

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Department of Mechanical Engineering
Organizes an Expert Lecture on

Building Products and Starting up

Day & Date: Thursday, 13/10/2022
Time: 10:30 am
Location: E&TC Seminar Hall (Room no. 404)

Faculty Coordinator:
Dr. C. S. Choudhari
Dr. P. S. Gajjal

Speaker
Mr. Prabhakar Kulkarni,
Founder
Praman Ventures

Dr. S. V. Chaitanya Head of Department
Dr. D. S. Bormane Principal

Department Vision:
To be Recognized as Premier Centre in the field of Mechanical Engineering Education



Mr. P B Kulkarni delivering lecture on Building Products and Starting up

Industrial Visits



Awards & Recognition



Team Garudashwa won first prize in SAEISS 2022 AERO DESIGN CHALLENGE in the category of Aerodynamic Analysis which is worth of Rs 10,000/-

BAJA SAEINDIA 2022 – Over-all 2nd runner-up- Manufacturing award

Other activities



Engineering Today 2022 -Robo race, Quiz masters, Dart O Mania conducted by the department

First year Induction Programme 2023

“We are continually faced by great opportunities brilliantly disguised as insoluble problems.”