



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

The newsletter of Department Mechanical Engineering

MECHPULSE

Academic Year 2021-22 Term I



Principal: Dr.D.S.Bormane

Head of Dept.: Dr. B D Bachchhav

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Mechanical Engineering Department,

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www.aissmscoe.com

Our Inspiration

Shri Shahu
Chhatrapati Maharaj
President, AISSMS



From Principal's Desk:



DR. D S Bormane

AISSMS college of engineering has successfully completed its 29-year long journey since its establishment in its academic year 2020-2021. Our institute has been bestowed with the prestigious Grade A+ accreditation by the National Assessment and Accreditation Council (NAAC), which brings me great pride and joy.

AISSMS College of Engineering remains at the forefront of academic excellence, consistently producing exceptional University gold medalists and top-performing students in diverse engineering fields. The dedicated faculty actively drives research and development endeavors, further elevating the college's standing in the academic community.

After the lockdown the energy with which students and faculty has engaged itself in the process of learning and adapting to change is stupendous! Students opting for internships as per the new curriculum has predominantly helped them understand the industry environment. The efforts put by the faculty and staff to provide the students with industry visits and practical sessions has largely benefited the students of mechanical department.

All such and many more remarkable achievements have been presented in the Mechanical Department Newsletter 'MECHPULSE'. I would like to express my sincere congratulations to the Mechanical Department for their outstanding initiatives. I extend my best wishes to all the ambitious students, employers, and stakeholders associated with the Mechanical Department, encouraging them to strive for success in accomplishing their goals.

“Be willing to be beginner every single morning.”

Meister Eckhart

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 two PG programs with Automotive and 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 COE, Pune. The department has well qualified and dedicated faculty. The objective of the department is to prepare students for a successful career in industry, Research and Academics.

For the overall development of the student; department of mechanical engineering is associated with memberships of professional bodies such as SAEINDIA, Institution of Engineers (India), ISHRAE, FPSI. We formulated a Mechanical Engineering Students association i.e. MESA. Various activities of these chapters provide student to gain knowledge and interact with students and staff of other colleges/universities as well as Industry Engineers.

With end of this semester due to pandemic situation mode of learning goes online, which we took positively for continues learning of students. We start exploring opportunity in this inferior conditions face worldwide. Our students develop few solutions for COVID circumstances. MECHPLUSE is showcase of continuous progress of department towards excellence

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

Congratulation

OMKAR KHOT
T.E. Mechanical Engineering

For winning the
HACK4EAARTH GLOBAL HACKATHON 2021

Category: Water
Co-organized by
Expo 2020 Sweden & Astrazeneca
In collaboration with
Expo 2020 Dubai, UN at Expo 2020 & AWS
Under the guidance of
Assist. Prof. Milind Swami (MIC Innovation Ambassador)

*These victories will pave the way to brilliance for you.
Best Wishes*

Dr. B. D. Bachchhav
HOD
Dept. of Mechanical Engineering

Dr. D. S. Bormane
Principal
AISSMS College of Engineering

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Staff Achievement

Research Collaboration Agreement with UTM,
Malaysia, USD 29415 (Monetary Contribution)

Dr. D.Y. Dhande

Congratulations...

Faculty contribution

Faculty Contributions



RESEARCH FUNDING

S N	Title	Funded by	Amount (Rs.)	Co-ordinator
1	AICTE- Grant-in-aid under the scheme MODROB-ASP for the Project entitled: "Modernisation of Tribology Laboratory for Performance Evaluation of Nano/Bio Lubricants"	AICTE	17,18,500/-	Dr B D Bachchhav (Co-ordinator) Dr D Y Dhande (Co-coordinator)
2	SPICES Scheme for Promoting Interests, Creativity & Ethics among Students (SPICES) Team for SAE-INDIA Collegiate Club	AICTE	1,00,000/-	Dr A V Waghmare (Co-ordinator) Dr B D Bachchhav (Co-coordinator)

STAFF PUBLICATIONS

Sr. No.	Faculty Name	Publication Detail	Year
1.	C S Choudhari, D Y Dhande	Smart Technologies to mitigate and manage the pandemic: Today and tomorrow, SAMRIDDHI: A journal of Physical sciences, Engineering and Technology, HI Vo. 13, Issue 2, 2021,ISSN 2229-7111	2021
2.	P S Gajjal, S Y Gajjal	Wear behavior of Sintered bearings using additives in dry sliding, Materials Today Proceedings, Elsevier, Doi.org/10.116/j.matpr.2021.01.413	2021
3.	P S Gajjal, S Y Gajjal	Wear of Dry Sintered Iron Bearings with Molybdenum Disulphide and Zinc Stearte, IUP Journal of Mechanical Engineering, ISSN: 0974-6536	2021
4.	P S Gajjal, Yadnik Kude	Design of Planetary Gear Train for Geared Rotary Actuator, IOP: Material science and Engineering, doi:10.1088/1757-899X/1170/1/012005	2021
5.	P S Gajjal	Paper on wind load estimation and truss optimization of parabolic radio dish antenna, IJSER, ISSN: 2229-5518	2021
6	Dr D Y Dhande, C S Choudhari, D P Gaikwad	Extraction of bioethanol from waste pomegranate fruits as a potential feedstock and its blending effects on a performance of a single cylinder SI engine, Renewable and Sustainable Energy Reviews , ISSN: 13640321, Elsevier BV.	

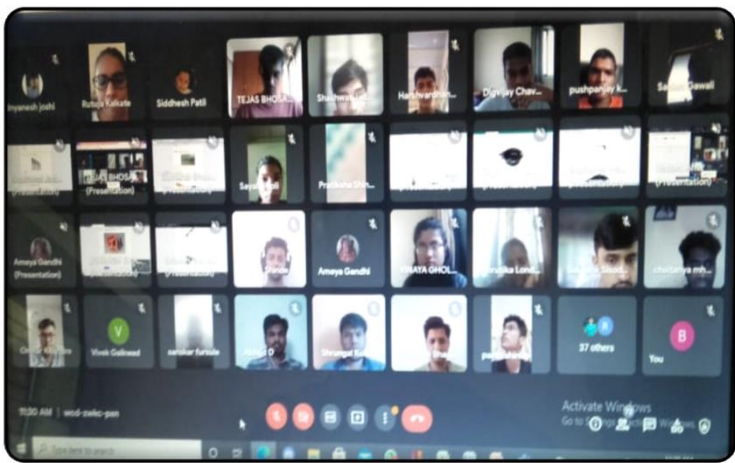
ENGINEERING TODAY-2021 MECHPLUSE

AISSMS College of Engineering, Pune organized AISSMS Engineering Today on the Occasion of Engineers Day (15 September) Every Year. The aim is to provide opportunities for the overall development of the students. This is an annual technical event conducted jointly by students' associations and faculty from all Departments. The aim of the event is to promote effective students–faculty–industry interaction. It is the mega event in which students from all over India are invited to participate.

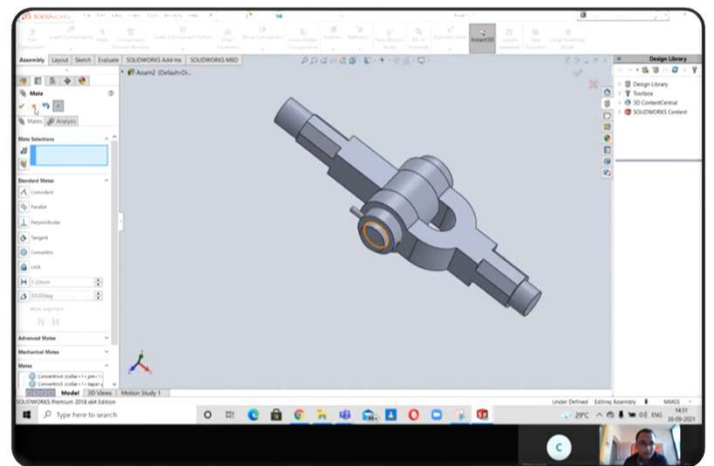
Department Activities In ET-2021

- CAD WAR
- TECHNICAL HUNT
- TOOL CLINIC

Department also organize Science Exhibition during ET-2021



TOOL CLINIC -2021 moments of students participated



CAD WAR -2021 challenge

AISSMS COLLEGE OF ENGINEERING
 31st Regional Conclave of Students' Chapter of The Institution of Engineers (India) for Western Region
 Accredited by AACSB with "A++" Grade

ENGINEERING TODAY 2021-22
 DEPARTMENT OF MECHANICAL ENGINEERING PRESENTS...

MECHPULSE

POOL PRIZE UPTO* WORTH **Rs 24000/-**
 *Prize Pool

ENTRY FEE: Rs 50/- (per head/per event)

<p>TOOL CLINIC</p> <p>Tool clinic is an virtual quiz game, where the participants will test their knowledge regarding the the tools & equipments.</p> <p>REGISTRATION LINK https://forms.gle/qckqFmXoaknPNiyg7 EVENT HEAD: GAURAV KARADE CONTACT NO: 7057772028</p> <p>QR CODE</p> <p>DATE: 30 SEPT</p>	<p>CAD WAR</p> <p>Here "CAD WAR" is challenging your designing brilliance. If you are mad for cad, then prove your mettle and reward your drafting skills in a competition that tests your visualization, drafting and speed.</p> <p>REGISTRATION LINK https://forms.gle/AKSoNjgpeSVLvtbq7 EVENT HEAD: RUTURAJ NIKAM CONTACT NO: 915623055</p> <p>QR CODE</p> <p>DATE: 30 SEPT & 1 OCT</p>	<p>TECHNICAL HUNT</p> <p>Technical hunt is an information-based virtual treasure hunt game, where the participants will need to solve clues effectively and yet in time to remain in the hunt and eventually win.</p> <p>REGISTRATION LINK https://forms.gle/vtemb1FgSruuq957 EVENT HEAD: ARSHIHEK DEO CONTACT NO: 7218186690</p> <p>QR CODE</p> <p>DATE: 1 OCT</p>
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OUR PROUD SPONSORS

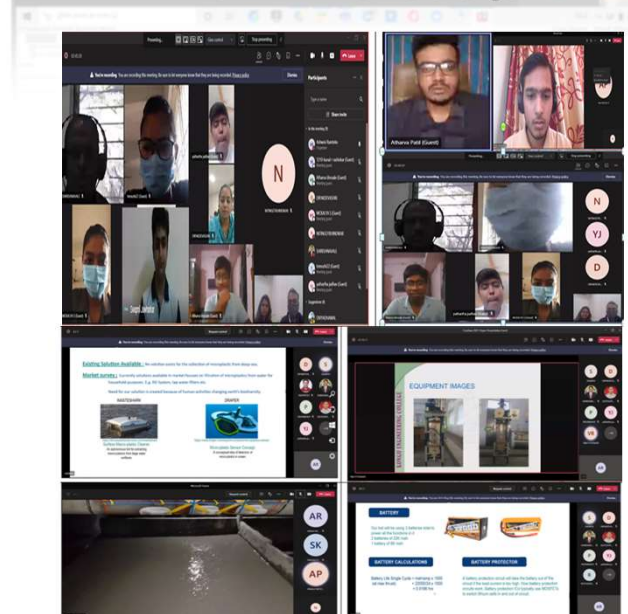
STUDENT CO-ORDINATOR

FACULTY CO-ORDINATOR

ET CO-ORDINATOR

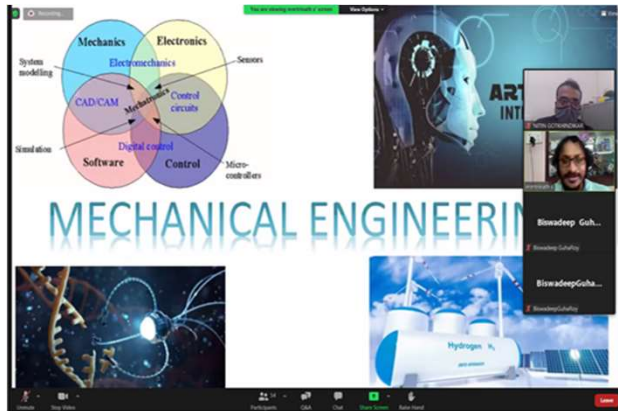
HEAD OF DEPARTMENT

PRINCIPAL



First Regional Conclave of Students' Chapter of The Institution of Engineers (India) for Western Region for the year 2021-22 , 09-10 December 2021 [Event: Paper Presentation]

Activities Organized by Department



Mode Online for Career Guidance

AISSMS
COLLEGE OF ENGINEERING
Department of Mechanical Engineering Organizes

Campus Engagement Program - Knorr-Bremse Technology Center India Pvt. Ltd.
An Initiative by Center for Information, Training and Placement (CITP)

Time : 10 AM - 11:30 AM
Date : 24 August, 2021
Platform : Microsoft Teams
Link to join webinar : <https://bit.ly/2WFEAWD>

Points to be covered :

- 1) Product Development
- 2) Industrial Framework
- 3) College to Corporate
- 4) RAMS importance in product development
- 5) Railway industry product overview

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

Student Coordinator : Shubham Bandekar
Dr. C S Choudhari **Dr. A V Waghmare**
Coordinator

Dr. B D Bachchhav **Dr. D S Bormane**
Head of Department Principal

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Campus Engagement Program by Knorr Bremse, Pune

AISSMS
COLLEGE OF ENGINEERING
UNIVERSITY RANKERS 2020

HEARTIEST CONGRATULATIONS!
To the students of Mechanical and Mechanical Sandwich Engineering for their Exemplary Academic Achievement in SPPU University Exam.

 Saurabh Jaurat SE Mechanical CGPA: 9.86 Rank:7	 Menika Giri TE Mechanical CGPA: 9.72 Rank:10	 Sudarshan Khedekar SE Mech. Sandwich CGPA: 9.48 Rank:1	 Tejas Ghoavat SE Mech. Sandwich CGPA: 9.44 Rank:2
 Vidita Zende SE Mech. Sandwich CGPA: 9.4 Rank:3	 Momin Urooj SE Mech. Sandwich CGPA: 9.36 Rank:4	 Maitrili Gawade SE Mech. Sandwich CGPA: 9.12 Rank:8	 Anirudha Dabholkar SE Mech. Sandwich CGPA: 9.04 Rank:6
 Anmol Kitchloo SE Mech. Sandwich CGPA: 8.92 Rank:7	 Rushikesh Bhasme SE Mech. Sandwich CGPA: 8.92 Rank:7	 Vivek Hiremath SE Mech. Sandwich CGPA: 8.84 Rank:8	 Vaishnavi Mohite SE Mech. Sandwich CGPA: 8.82 Rank:9
 Sarvesh Musai SE Mech. Sandwich CGPA: 8.8 Rank:10			

Well done your hard work and determination have paid off!

Regards
Dr. B. D. Bachchhav HoD, Mechanical Engineering
Dr. D. S. Bormane Principal

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University Rankers



BE Mechanical Batch 2021-22

“Scientists dream about doing great things. Engineers Do them.”

James A Michener.