



**SHRI GAJANAN SHIKSHAN SANSTHA'S  
SHRI SANT GAJANAN MAHARAJ COLLEGE OF  
ENGINEERING  
SHEGAON-444203(M.S.),INDIA**

Department of Mechanical Engineering SSGMCE, Shegaon

**NEWSLETTER SPRING SEMESTER 2022-23**

### **ABOUT THE DEPARTMENT OF MECHANICAL ENGINEERING**

Department of mechanical engineering of SSGMCE Shegaon is one of the most reputed departments in terms of facilities & faculties. For the overall development of students department organizes various activities such as guest lectures, workshops, short term training programs and industrial visits. Also to have practical exposure department motivate students to participate in national, international and inter college events. To upgrade knowledge of faculties department has been working on industry institute interaction. All these activities are summarized in departmental news letter for every academic year.

### **VISION**

To develop quality mechanical engineers, researchers and entrepreneurs with commitment for excellence, learning enthusiasm, ethical behavior and serving the society.

### **MISSION**

- To impart fundamental knowledge of Mechanical Engineering to the students through the excellent learning experience and provide a platform for Higher Education.
- To offer Industry Institute Interface, interdisciplinary knowledge, and value-based education for the overall development of students.
- To enhance research, next-gen skills, and entrepreneurship abilities of the students to solve social problems

### **PROGRAM EDUCATIONAL OBJECTIVES (PEOS)**

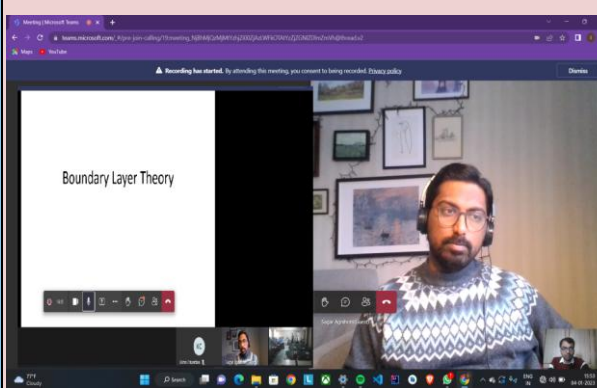
- Engage in creating, designing, manufacturing, analyzing, testing, and maintaining the systems of Mechanical Engineering and allied branches of engineering.
- Solve the problems of societal importance by applying fundamentals of mechanical engineering & pursuing higher education, research in the domain of mechanical Engineering.
- Imbibe ethical values & skills for lifelong learning to work effectively as a part of a team member, leading a team in a multidisciplinary setup.



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ACTIVITIES AT DEPARTMENT



Dr. Sagar Agnihotri from Upasla University, Sweden conducted a webinar on Boundary layer formation and separation and its importance as it the part of syllabus from Fluid mechanics for second year student of mechanical engineering on 04 Jan 2024.

A Guest lecture on Expectation of engineers from Industry had conducted by *jagdish wadhokar* anusaya auto press Parts Private Limited, Pune. Around 50 students got the idea of core auto parts industry, and capital required to setup such industry



A session has organize on *Opportunities for Core Engineering Students in power sector Nuclear Power plant* by Mr. Ajay Kumar Plant head of Kakrapar , Gujarat, Nuclear power plant is one of the core industry for mechanical and Electrical engineering students. The program has attended by 40 students.

Workshop on computational fluid dynamics(cfd) has conducted by dr. nagraj sitaram professor, east point college of engg.bengaluru for 41 students of second year mechanical engineering. Objectives of program ,to provide basic knowledge of Computational Fluid Dynamics. And to handle ANSYS software tool for solving relevant problems.

Shri Sant Gajanan Maharaj College of Engineering SHEGAON, MAHARASHTRA, INDIA

**COMPUTATIONAL FLUID DYNAMICS [CFD]**  
Two Days Hands on Workshop  
12<sup>TH</sup> & 13<sup>TH</sup> MAY 2023  
VENUE : Seminar Hall Dept. of Mechanical Engg

**Prof. M. B. Bhambere**  
Workshop Coordinator

**Dr. S. P. Trikal** HoD Dept. of Mechanical Engg.      **Dr. S. B. Somani** Principal SSGMCE Shegaon

**Dr. Nagraj Sitaram**  
CFD Expert and Professor East Point College of Engg. Bengaluru

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### **FACULTY DEVELOPMENT PROGRAM**

- A three days start up boot camp organized by Atal incubation center at BAMU Aurangabad attended by Mr. P A Dalke during 28/12/22 to 30/12/22
- A computational Fluid Dynamics (CFD) conducted by NPTEL attended by Mr. M B Bhambere during 23/01/23 to 14/4/23.
- CEP on "Medical Device innovation" organized by IIT Bombay during 2/9/23 to 2/10/23 attended by Mr. P A Dalke.
- Recent Start Up Yatra 2022 Type of Event: Boot Camp workshop/ Exhibition Organization :Gov of Maharashtra state Duration: 14 Oct 2022 attended by Mr. P A Dhalke.
- Workshop on "Trends and challenges in the development of electric vehicles and hybrid vehicles organized by the Mechanical department, Lendi institute of engineering and technology attended by Mr. N H Khandare 14/11/22 to 18/11/22.

### **DEPARTMENTAL ACTIVITIES**

- Sant Gadge Baba Amravati University and Rajiv Gandhi Science and Technology commission has sanctioned the research project grants to department of mechanical engineering for following projects.
- A project on design and development of honey-comb cooler has received a grant of Rs. 1,20,000/- to Dr. S P Trikal, Professor and head at mechanical engineering department.
- A project on design and development Modified seed Sowing machine has received a grant of Rs. 2,00,000/- to Mr. N B Borkar, Asst Professor at mechanical engineering department.
- A project on design and development solar panel cleaning robot has received a grant of Rs. 95,000/- to Dr. N H Khandare, Associate Professor at mechanical engineering department.

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