



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

Department of Mechanical Engineering SSGMCE, Shegaon

# **NEWSLETTER AUTUMN SEMESTER 2024-25**

## **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)**

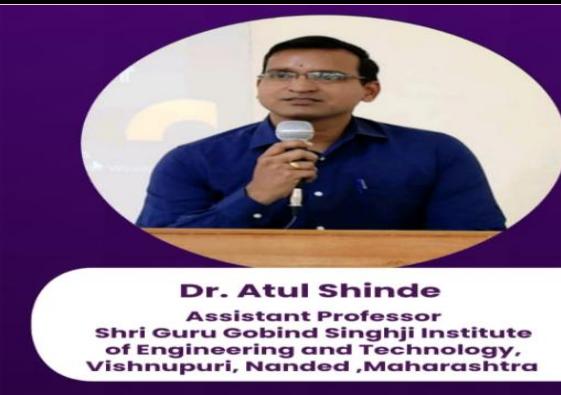
- Engage in creating, designing, manufacturing, analyzing, testing, and maintaining the systems of Mechanical Engineering and allied branches of engineering.
- Solve the problems of societal importance by applying fundamentals of mechanical engineering & pursuing higher education, research in the domain 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**



All faculties & Staff at Mechanical Engineer Department and the students of second year are requested to attend the webinar by Dr. Atul Shinde, Asst, Professor from SGGS IET, on 21-23/10/2024 at 3.45 pm for 21 -22 Oct, and 11.00 am on 23 Oct 2024 on the topic impact of jet and Application under the course of fluid mechanics for second year student of mechanical engineering department organized by Dr. K V Chandan asst. Prof. at department of mechanical engineering.



The department of Mechanical Engineering of Shri Sant Gajanan Maharaj College of Engineering, Shegaon has organized a boot camp Session on “Lean Start-up & Minimum Viable Product/Business” by Adv.Mr. Ram Thakkar Company Secretary (CS),Akola on 21/08/2024 at SSGMCE shegaon. Around 45 students and 10 faculties have attended this session at seminar hall organize by Mr. N B Borkar asst. Prof. at department of mechanical engineering.

Mechanical Engineering Student Chapter, SSGMCE, Shegaon has arranged the Career Opportunities in Germany for Mechanical Engineering Student event on 16 Nov. 2024 for three hours. Mr. Rahul Surwade and Dr.S.P.Trikal sir (HOD Mech) lit the lamp, signifying the illumination of young minds of 65 students.



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Department of mechanical engineering has plan and executed an initiative to trained the students by organized a workshop on IoT. The Skill Development Program for Third year mechanical engineering students on Hands on Training Internet of Things Workshop during 27th January to 5th February 2025 (Two Weeks). Almost 30 students from mechanical and other branches has participated or workshop of thirty hours conducted by Mr.Ganesh Wahile asst. Prof. at department of mechanical engineering



## **FACULTY DEVELOPMENT PROGRAM (FDP)**

- Faculty development program (FDP) on research methodology organised by IIIT Kharagpur has attended by Mr. M B Bhambere during 18/11/2024 to 27/11/2024 by online mode of conduction.
- The FDP on “ Basics of tribology and its industrial engineering applications” has attended by Mr. Nitin B Borkar during 20/08/24 to 24/08/2024 organized by online mode SVNIT Surat G.S.
- The FDP on “ Product Design” has attended by Dr. Piyush Dalke organized by Skill Dzire & AICTE during 01/09/2024 to 04/10/2024.
- One Week Online FDP on “ReserachMethodology and IPR ” during 06/01/2025 to 10/01/2025 organised by BNCOE ,Pusad M.S.
- Faculty Development Program on Samarth Manufacturing : The confluence of automation and intelligence 16/12/2024 To 20/12/2024 organized by D Y Patil University Akurdi Pune has attended by Dr. Piyush Dalke.

## **DEPARTMENTAL ACTIVITES**

### Research Publication activities of faculty members

- A research paper on “Sustainable Cooling with Clay Tubes in Honeycomb Structures” in Journal of Propulsion Technology ,volume, issue Vol. 45 No. 3 (2024) on 28/09/2024 Page by Dr. S P Trikal and Mr. K R Dudhe.
- A research paper on “Theoretical and experimental investigation of a pilot-scale solar air-heated humidification dehumidification desalination system” in the journal of Solar Energy Journal (Q1) SCI, issue Vol. 45 No. 3(2024) on 14/11/2024 ,volume 113122 Page by Mr. Ganesh Wahile.
- A Research paper on “Nanofluid-Based Experimentation of a Flat Plate Elliptical Closed Thermosyphon Solar Water Heat in Journal of Propulsion Technology in Volumeol. 45 No. 03 (2024) publish on 07-06-24 by Dr. S P Joshi.
- A Research paper on “Multi response optimization of process parameters in titanium alloy minimum quantity lubrication drilling operation” in scopus index journal of Engineering Research Express on 24/09/2024 ISSN/ISBN No. 2631-8695 by Dr.Piyush A Dalke.



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### INTELLECTUAL PROPERTY RIGHTS (IPR)



Mr Ganesh Wahile Asst Professor in Mechanical engineering department of SSGGMCE received a design patent on “Photovoltaic Panel With Fins And Cotton Wick For Cooling” with design number 435605-001 on 24/10/2024.



Dr. Nilesh H Khandare ,Associate Professor in Mechanical engineering department of SSGGMCE received a design patent on “Rechargeable early warning natural disaster alarm device ” with design number 428459-001 on 28/08/2024.

### SPECIAL RECOGNITION



Dr. P A Dalke ,Asst prof. ,Mechanical engineering department has received the certificate of appreciation and recognition as mentor for projects by Sant Gadge Baba Amravati UniversityAmravati M.S. during session 2024-25

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