



**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 2023-24

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



An introduction to the Fusion 360 software, utility and installation, later the explaining and practicing of the software with sketching and creating the 3-d model with different commands were introduced by Mr. Pratik Deshmukh. FUSION 360 Workshop conducted in month of December 23.

Current Trends in Thermo-Fluids Dr. B. S. Gawali, Professor, Walchand College of Engg, Sangli. The two days of guest lecture started innugral function which was grace by HoD. Student are enriched with knowledge of prof. B S Gawali of the core mechanical subjects and several case studies in which he has contributed month of October 2023.



A guest lecture has organizes on Business Innovation at department of mechanical engineering by Mr. Sunil Nand ,an entrepreneur Akola. Students of 3rd and 4th year has an interaction about busuness pros and cons during session. An activity has conducted in the month of December 2023.

An Exhibition of Ideas And Linkages with Innovation Ambassadors for Mentorship Suppor has organize at department of mechanical engineering SSGMCE Shgaon Around 70 students in group of 5 members has presented their ideas and business concepts on 23 Nov 2023 and guided by Dr. V K Thute.





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FACULTY DEVELOPMENT PROGRAM

A session has conducted

- Dr. S P Trikal and project members Mr. Amol Kulat and Gaurav Wasu has granted a Copy Right on “Tractor Operated Modified Spraying” at SSGMCE Shegaon.
- Dr. S P Trikal and Project Team has “Developed A Earthen Tube Modified Desert Cooler” under RGST Scheme during the session at mechanical engineering workshop SSGMCE Shegaon.
- Mr. C V Patil and Mr N B Borkar with Project team has developed “Modified Seed Sowing Machine” under RGST Scheme during the session.
- Workshop on “ Industry 4.0 technologies” organize by NITTTR Chandigarh During 22/11/2023 to 28/11/2023 by Mr. K V Chandan.

DEPARTMENTAL ACTIVITIES

- As “Enhancing thermal efficiency of cookware through fin implantation: experimental analysis and numerical validation” Journal of Thermal Analysis and Calorimetry E ISSN 1588-2926 P-ISSN 1388-6150 on 26/09/23.
- Department of Mechanical Engineering received the second installment of around Rs.60,000 to three research project from Rajiv Gandhi Science and technology Commission (RGSTC) ,Mumbai in collaboration with Sant Gadge Baba Amaravati University

Publication	: Mechanical Engineering Department Newsletter
Issue Per Year	: 02
Publisher	: Dr. S P Trikal (Head, Department of Mechanical Engineering)
Chief Editor	: Prof. N B Borkar ,Asst. Prof. Department of Mechanical Engineering
Editor	: Ms. Riddhi Patil, Third Year, B.E. Mechanical Engineering.