



**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 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

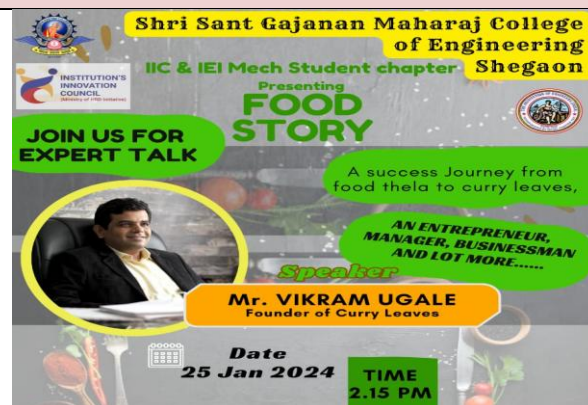


One day innovation competition on “Intra Innovational Innovation competition 2024” has organized for all students of SSGMCE to explore their projects and business plan of MBA students under this program.

An eminent industrial resource person Alumni Mr. Prashant Karamalkar, Managing Partner, Circular Angle, Pune.

The event was formally started on 13<sup>th</sup> Jan 2024 at 09.00 AM. Around 130 students has participated for the program

An inspiring journey with **Mr. Vikram Ugale**, Founder of **Curry Leaves**. **Mr. Ugale's** presentation unveiled the entrepreneurial secrets behind transforming a modest ingredient into a thriving business venture. Around 57 students of third year mechanical engineering and 07 faculty members has attended a this program.



“Exhibition of business plans and linkages with innovation ambassador for mentorship support”. The program has started with inauguration note and formal discussion after ribbon cutting ceremony. Mr.Amol Rajguru ,for all students of fourth year mechanical egneering on 24 April 2024.

Around 110 Participants got benefitted and got introductory knowledge about IPR. The Intellectual Property Rights (IPR) Day Celebration was a comprehensive event aimed at educating and enlightening participants spreading awareness about the various facets of IPR. **Dr. Suraj Satish Bhoyar** has conducted this program on 04 May 2024.





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### **FACULTY DEVELOPMENT PROGRAM**

- Three day online workshop on Navigating the research article publications landscape from writing to publishing-Mastering the academic journey of research attended by Mr. S. Q. Syed 14/3/2024 to 16/03/2024.
- Global conversation in Mechanical Engineering; Bridging innovations and sustainability CEP organized by Madanpalle institute of technology and science, Andhra Pradesh during 19/02/2024 to 23/02/2024 by Mr. P T Patokar.
- Workshop on Industry 4.0 technologies organized by NITTTR Chandigarh during 22/11/2023 to 28/11/2023 by Dr. K V Chandan.
- Workshop on "Innovation in Design using Fusion 360" organized by SSGMCE Shegaon during 30/12/2023 to 3/1/2024 by Mr. N B Borkar.
- Faculty Development Program on Emerging Trends in Advanced Manufacturing Technology organized by School of engineering and technology Sandip University during 20/02/2024 to 24/02/2024 by Mr. P T Patokar.

### **DEPARTMENTAL ACTIVITIES**

#### **Research Publication activities of faculty members**

- A research paper on "Performance analysis of photovoltaic panel using machine learning method" in Indonesian Journal of Electrical Engineering and Computer Science, Vol. 34, No. 1, April 2024, pp. 19~30.
- A research paper on "Design & Development of Modified Seed Sowing Machine" in GOYA journal Volume 17, Issue 03, 2024.
- A research paper on "Performance analysis of photovoltaic panel using machine learning method" Indonesian Journal of Electrical Engineering and Computer Science in Volume: 08 Issue: 01 | January – 2024
- A research paper on "Enhancing thermal efficiency of cookware through fin implantation: experimental analysis and numerical validation" in Journal of Thermal Analysis and Calorimetry year 2024.

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