



**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 2021-22

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



Department of mechanical engineering has organized the Hands-on Training course of 40 Hours on Solid Works Three dimensional Computer Aided Design Software for mechanical engineering student during 21 March 2022 to 26 March 2022.

Workshop on IOT and Robotics using python organized by department of mechanical engineering for all SSGMCE students during 29 Nov to 4 Dec 2021. Around 50 students had attended the workshop on "Internet of things and robotics" delivered by Arundhati Jadhav ,Pune at SSGMCE Shegaon.



Department of Mechanical Engineering has organized seminar of Mr. D N Dharulkar ,Managing Director NAC group of industries Aurangabad on "A Journey from innovation to entrepreneur "at new seminar hall on 8 Jan 2022 at SSGMCE shegaon. Around 100 students of BE first year has attended this program.

Department of mechanical engineering has organized a hands on workshop on AutoCAD during 24 to 27 March for all SSGMCE students and this program has attended by students from various branches and all yearsof SSGMCE shegaon.





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SPECIAL ACHIEVEMENT DEPARTMENT



Under SAEINDIA students chapter, this year team X-treme was formed and team has designed and manufactured Campus utility electric vehicle at college workshop.

Team X-treme is currently working on an Electric Vehicle Project called Campus Utility Vehicle, we have manufactured a BEV for College Utility purpose.

AICTE SPONSORED ACTIVITIES

- AICTE –ISTE ,New Delhi sponsored Faculty development program (FDP) on “ Advanced Materials and Manufacturing for Industry 4.0” arranged at SSGMCE shegaon by online mode during 22-28 Feb 2022. Almost 52 participants has participated has successfully completed Faculty development program.
- Department of mechanical engineering has got the grant of Rs.14,89,412/- under MODROB AICTE for following equipments:
 - Computerized Multi cylinder diesel engine test rig
 - VCR Engine Test Setup 1 Cylinder 4 Stroke Diesel
 - Ignition and charging system set up

An additional fund of Rs.10,00,000/- sanction from self institute SSGMCE shegaon for purchasing of equipments of internal combustion engine lab.



Prof Piyush Dalke ,Assistant professor ,department of mechanical engineering has received the certificate of patent grant , patent no. 334683-001 from controller of General of Patents ,pune on Face Mask Shield from Indian patent office on dated 21 October 2021.



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FACULTY DEVELOPMENT PROGRAM

- “Recent trends in industrial automation” organized by MIT School of Engineering Rajbaug Pune By Dr J G Khan during 27 sept -08 Oct 2021.
- “Research Funding Projects and IPR(PART II)” organized by K.C.College of engineering Thane FDP attended by Prof A S Bharule during 7 june -9 june 2021
- Leadership & Team Work for education excellence” organized by Central university of Haryana FDP attended during 6 Sept 21 to 10 Sept 21 by Dr. N H Khandare
- Recent Trends in Life Skills Management (online mode) organized by REST Society for Research International (RSRI),Tamil Nadu, India attended by Prof M B Bhambere 21 March 22 to 26 March 22.
- Advanced material and manufacturing for industry attended by prof R V Rajkolhe during 4 Feb 22 to 28 Feb 2022.
- "Virtual/Augmented Reality t Sipna College of Engineering and Technology, Amravati attended by Prof Piyush Dalke during 29 Nov 2021 to 03 Dec 2021.

DEPARTMENTAL ACTIVITIES

- Skill Development Program by Wadhvani Foundation’ by Dr. Santosh Bothe , Principal, Saraswati College, Shegaon organized by online mode during 22 Feb 2022 and has participated around 101 participants.
- ‘Opportunities for Mech. Engg. Students after COVID Pandemic’ by Mr. Sunil Nand (Managing Director, M. Nand Industries, Akola) and has participated.
- Fab Lab SSGMCE organised one week Instructor Boot Camp for all faculty member of the department from 23/8/21 to 28/8/21.
- Webinar on EV Powertrain, Architecture & Energy Storage’ by Mr. Amol Sonawar Shubhankar Chrakwati & Rupali Agrawal(Expert, ISIE India.

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