



Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's
Mauli Group of Institution's,
College of Engineering and Technology, Shegaon
AICTE Approved, Affiliated to Sant Gadge Baba Amravati University, Amravati,

DEPARTMENT OF MECHANICAL ENGINEERING

National Level ISTE Approved One-Week
Short Term Training Program (STTP)
(Offline Mode)



Date: 29/12/2025 to 02/01/2026

CAD Design
To 3D Printing

Khamgaon Road, Shegaon,
Sawarna, Maharashtra 444203



About Institute

The LPHGPSS's, Mauli Group of Institutions (MGI), College of Engineering and Technology, Shegaon, is a highly commendable private institute, occupying a place of pride amongst the premier technical institutes of the Vidarbha region of Maharashtra, India. This institute is approved by AICTE, New Delhi, Accredited by NAAC with A Grade. The Institute is recognized by Directorate of Technical Education (DTE) Mumbai, Govt. of Maharashtra and affiliated to Sant Gadge Baba Amravati University, Amravati. This institute is offering UG, PG and Ph. D Courses in Computer Science & Engineering, Information Technology, Electronics and Telecommunication Engineering, Electrical Engineering, Mechanical Engineering and Civil Engineering. The institute is all set to march towards the pinnacle of success through its mission and vision in the field of engineering education of high caliber. According to Indian History, 'Mauli' is the name of Sant Dnyaneshwar. Sant Dnyaneshwar was a famous saint of India who wrote the holy book 'Dnyaneshwari'. It is believed that he fashioned the state of Maharashtra with his rare writing skill. The Trust adopted this name with a vision to develop engineers of high potential, who could take up any challenges of any type of an engineering job and make it a grand success, guided by originality and professionalism. It is believed that an engineer should be able to write his own lines of success.

About The Department

The Department of Mechanical Engineering was established in 2011, it offers UG Program and also runs recognized SGBAU Research center for Ph.D in Mechanical Engineering. Vision of the department includes inculcating the principles of mechanical engineering into the students using modern teaching-aids. State of the art laboratories, workshops are planned to cater the need of the nearby industries, agricultural populace etc. Academicians, industry-experts are invited on routine basis to address the students and the nearby industrial technocrats. Surrounding populace is invited to view various Projects prepared by the students, staff etc. Mission of the department well as educating the nearby populace towards the modernization in all the respects.

Chief Patron

Hon. Shri. Dnyaneshwar P. Patil
Chairman
Late Purushottam Hari (Ganesh) Patil
Shikshan Sanstha, Shegaon

Organizing Chair

Hon. Dr. C. M. Jadhao
Principal
MGI-COET, Shegaon

ISTE Committee Members

Dr. R. B. Ingle
Program Convener
ISTE Secretary
HOD, Mechanical Engg. Dept.,
MGI-COET, Shegaon

Prof. A. P. Bawne
ISTE Dept. Coordinator
Asst. Prof. Mechanical Engg. Dept.,
MGI-COET, Shegaon

Program Coordinator's

Prof. R. M. Kshirsagar
Program Coordinator
Asst. Prof. Mechanical Engg. Dept.,
MGI-COET, Shegaon

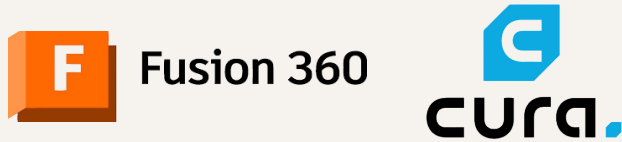
Prof. V. M. Gawali
Program Co-Coordinator
Asst. Prof. Mechanical Engg. Dept.,
MGI-COET, Shegaon



+91-8999309186

Content of STTP

- Introduction to Fusion 360 Software.
- Sketch Mode 2D.
- Solid Part Modeling 3D.
- Simulation and Assembly Design.
- Preparation of Drawing Sheet.
- Introduction to FDM 3D Printing.
- 3D Printing Work Flow.
- Important 3D Printing Parameters.
- Tool path generation using Cura CAM Software.
- Practical Session on FDM Printer Machine.



Organized by: ISTE Student and Faculty Chapter

Course Name: CAD Design to 3D Printing.

Course Duration: 29/12/2025 to 02/01/2026

Time: 11:00 AM to 5:00 PM

Venue: Computer Lab

Eligibility: Any discipline Diploma / Engineering students & Faculty members are eligible to attend.

Registration Fee:

For **Faculty Participant Rs 500/-**

For **Student Participant B.E. / Diploma Rs 300/-**

- Registration fee includes registration kit and educational licence of Fusion 360 software, certification for participants.
- ISTE Life members will get an ISTE approved certificate by paying extra charges.
- Accommodation & Food will be on a paid basis.
- The participants have to bear their own travelling expenses.

Maximum Participants: 50 (Offline Mode)

*The confirmation to the selected applicant will be intimated by the Institute.

Objectives of STTP

Enhance Knowledge: To provide in-depth understanding of CAD Designing and FDM 3D printing, components, and technologies.

Skill Development: To equip students with practical skills in designing and prototyping.

Research and Development: To promote research initiatives and collaborative projects.

Expected Outcomes

- Enhanced expertise in 3D printing techniques.
- Improved integration of post processing of printed parts.
- Hands on training on modelling of the components using Fusion 360 software.
- Strengthened research output and collaborative efforts in Additive Manufacturing.

Registration Link



Scan QR Code for Registration

Duly filled registration form should be submitted online on or before 15/12/2025.

Payment Details



Scan QR Code for Payment

Phone Pe No: 8446623135

UPI-ID: 8446623135@upi

Account Name: Vaibhav Mohan Gawali

Email Id: vaibhav.gawali13@gmail.com

*The non-refundable registration fees should be sent only through UPI

Registration Form:

Name of Participant: _____

Institute Name: _____

Branch: _____

Address of Communication: _____

City: _____

Contact No: _____

Email Id: _____

Acomodation Required: ☐ Yes ☐ No

*Accommodation & Food will be on a paid basis.

Designation: ☐ Faculty

☐ B.E. Student **Year:** _____

☐ Diploma Student **Year:** _____

Amount Paid: _____

Transaction ID: _____

Signature of Participant: _____

For Office Use

Participant ID: _____

Signature of Coordinator: _____

Remark: _____

Lunch Break Time: 01:00Pm to 02:00Pm			Schedule and Content of STTP	Venue: Computer Center (023) and CAD Lab (201)	
Date	Session 1 Time: 11:00 to 12:00	Session 2 Time: 12:00 to 01:00	Session 3 Time: 02:00 to 03:00	Session 4 Time: 03:00 to 04:00	Session 5 Time: 04:00 to 05:00
Day 1 29/12/2025 Monday	Inauguration Ceremony	Introduction to Fusion 360 Software. Sketch Mode 2D. Set Units and Grid Settings.	Creating and constraining 2D geometry with tools like lines, circles, and arcs. dimensions and tools like trim and mirror.	Interface navigation, data management, and basic project setup.	Practice Session 1 2D Sketchs
Day 2 30/12/2025 Tuesday	Part Design and Interface. Basic 3D Modeling	Creating 3D shapes from 2D sketches using features such as extrude, revolve, sweep, and loft.	Adding fillets and chamfers, editing features, and reordering operations in the timeline.	Advanced Part Modeling: Using features like shell, draft, and split to refine models.	Practice Session 2 3D Part Modeling
Day 3 31/12/2025 Wednesday	Introduction to Assembly Design	Combining multiple parts into an assembly, using joints to define motion and relationships between components.	Simulation of assembly Parts	Practice Session 3 Assembly and Simulation	Practice Session 4 Assembly and Simulation
Day 4 01/01/2026 Thursday	Preparation of Drawing Sheet. Generating 2D orthographic and projected views, with annotations, dimensions, and section views.	Practice Session 5 Preparation of Drawing Sheet.	Introduction to FDM 3D Printing. 3D Printing Work Flow. STL File Export process for 3D Printing.	Introduction to Cura Software. Important 3D Printing Parameters.	Practical Session 1 on 3D Printer.
Day 5 02/01/2026 Friday	Tool path generation using Cura CAM Software.	Various filaments used for 3D Printing Process	Practical Session 4 on 3D Printer.	Practical Session 3 on 3D Printer.	Valedictory Ceremony & Certificate Distribution