



AICTE IDEA Lab

MET's Institute of Engineering, Nashik

6-DAYS SKILLING PROGRAM



DESIGN • MAKE • INNOVATE

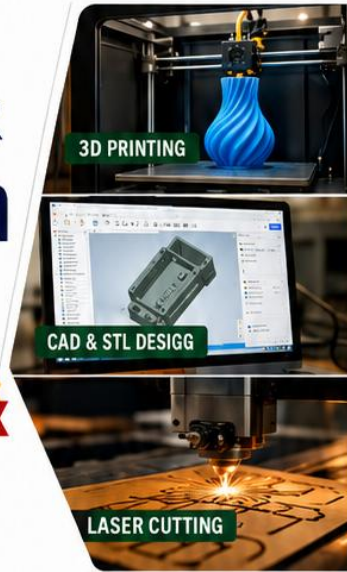
Product Design & Digital Fabrication

— From Concept to Creation —



20 - 25 JULY 2026
30 Participants

FREE
REGISTRATION
LIMITED SEATS



ABOUT THE PROGRAM

The AICTE IDEA Lab presents a 6-day skilling program focused on modern digital fabrication and product development technologies. Participants will learn industry-relevant skills in 3D modeling, STL development, 3D printing, laser cutting, and rapid prototyping through hands-on sessions and real-world projects.

WHAT YOU WILL LEARN

- ✓ 3D Printing: Principles, Slicing, & Hands-on Printing
- ✓ STL Development in CAD (UG NX, Tinkercad)
- ✓ Design for Manufacturing (DFM)
- ✓ Laser Cutting Machine: Operation & Safety
- ✓ Rapid Prototyping & Model Fabrication
- ✓ Hands-on Projects & Industry Applications

WHY JOIN THIS PROGRAM?

- Learn Industry-Relevant Digital Manufacturing Skills
- Hands-on Experience with Modern Tools
- Enhance Career & Project Opportunities
- Innovation • Creativity • Employability



DAY-WISE SCHEDULE

DAY 1

Introduction to Digital Fabrication

- Overview of 3D Printing & Laser Cutting
- 3D Printing Technology – Types & Applications



DAY 2

3D Modeling Basics

- Introduction to CAD
- Hands-on: Tinkercad Modeling



DAY 3

Advanced 3D Modeling (UG NX)

- Parametric Modeling
- Exporting to STL Format



DAY 4

3D Printing Workshop

- Slicing Software (Cura)
- Printing & Post-Processing



DAY 5

Laser Cutting Machine & Operations

- Machine Setup & Safety
- Hands-on: Cutting Projects



DAY 6

Project Development & Presentation

- Team Project
- Demonstration & Feedback



ELIGIBILITY CRITERIA

- ✓ Faculty Members of AICTE Approved Institutions
- ✓ Research Scholars
- ✓ PG Scholars
- ✓ Industry Professionals



PROGRAM HIGHLIGHTS



Hands-on Training



Expert Guidance



Modern Equipment



Project Based Learning



Industry Applications



Participation Certificate

LEARNING OUTCOMES

- ✓ 3D Modeling & STL Development Skills
- ✓ Hands-on Experience with 3D Printing & Laser Cutting
- ✓ Ability to Develop Prototypes
- ✓ Industry-Ready Competencies



REGISTRATION DETAILS

Available Seats	30 (First Come, First Serve)
Selection Basis	First Come First Serve
Certification	E-Certificate on Successful Completion
Registration Email	sachind_jeo@bkc.met.edu

SCAN TO REGISTER

SCAN ME



ORGANIZING TEAM

Chief Mentor
of IDEA Lab

Dr. V. P. Wani
Principal, IoE
MET's BKC Nashik

Coordinator
of IDEA Lab

Dr. S. D. Kalpande
HoD, Mech. Engg.
MET's BKC Nashik

Co-Coordinator
IDEA Lab

Dr. D. D. Deshmukh
Co-Coordinator IDEA Lab
MET's BKC Nashik

Program Coordinator

Dr. Sachin K. Dahake
9423338590

Program Co Coordinator

Prof. Namrata Ghuse
8530052224