



VALUE ADDED PROGRAM ON NEXTGEN TECH WORKSHOP: INDUSTRIAL IOT & 3D ENGINEERING

24th to 28th March 2025 | 09:00 am to 05:00 pm

Mechanical Dept CAD Lab Room No.AI073F09, Acharya Campus

About the Program

Objectives of the Program

- To provide in-depth knowledge of Industrial IoT and Embedded Microcontroller interfacing with sensors, motors, and displays.
- To introduce participants to 3D scanning technologies, their applications, and practical hands-on experience with 3D scanners.
- To familiarize learners with Reverse Engineering concepts, requirements, advantages, and real-world applications.
- To enable participants to design IoT systems using industry-standard tools and methodologies.
- To demonstrate the use of FeMap and Reverse Engineering techniques for both machined and plastic parts through practical demos.

Expected Outcome of the Course

- Participants will be able to interface sensors, relays, and motor controllers with embedded microcontrollers effectively.
- Learners will gain practical experience in using 3D scanners and understanding their role in various industries.
- Graduates of the program will be equipped with the skills to apply Reverse Engineering techniques for product development and improvement.
- Participants will be able to design and implement IoT systems, integrating hardware and software components.
- Learners will develop the ability to analyse and apply FeMap for CAD-based Reverse Engineering and structural analysis.

Important Dates

Event Details	Dates
Date	24 th - 28 th Mar 2025
Time	09:00 AM to 05:00 PM
Target Audience	6 th Semester students of Dept. of Mechanical Engineering
Type of program	Offline
Venue	Mechanical Dept CAD Lab Room, No:AI073F09

Resource Persons Details



Mr. Prabhu P M
Designation : Program Director Avinya Networks



Dr. Manjunatha B
Designation : Head of Department Department of Mechanical Engineering



Mr. Ravindra B G
Designation : Co-Founder ATOMMECH



Mr. Akshaya Simha
Designation : Assistant Professor Dept of Mechanical Engineering

Committee Members

ADVISORY COMMITTEE

- Dr. Marigowda C K, Principal, AIT

CONVENER

- Dr. Manjunatha B, HOD, Department of Mechanical Engineering, AIT

COORDINATORS

- Mr. Praveen B B, Asst Professor, Dept of Mechanical Engineering, ✉ praveenbb@acharya.ac.in, ☎ +91 88672-10933
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LOCATE US

Event Coordinator

Mr. Praveen B B

Asst Professor

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