PROGRAM OBJECTIVES

1. Introduce students to the fundamentals of computer-integrated manufacturing and its role in modern production environments.
2. Provide hands-on training in Mastercam software, covering design, simulation, and tool path generation for CNC (Computer Numerical Control) machines.
3. Develop skills in integrating CAD (Computer-Aided Design) and CAM tools for efficient manufacturing processes.
4. Train students on optimizing tool paths to minimize waste, increase efficiency, and improve product quality.

COURSE STRUCTURE

- ✓ Overview of computer-aided manufacturing and its integration with production systems.
- ✓ Interface overview, file management, and fundamental CAD tools.
- ✓ Programming and simulation of machining operations such as drilling, milling, and turning.
- ✓ Understanding CNC setup, codes, and the interface between Mastercam and CNC machines.
- ✓ Optimizing operations, multi-axis machining, and error handling

ABOUT THE PROGRAM

"This course is designed to provide students with in-depth knowledge and hands-on experience in computer-integrated manufacturing (CIM) with a focus on the Mastercam software, a leading CAM (Computer-Aided Manufacturing) solution. The course aims to bridge the gap between traditional manufacturing techniques and modern computerized methods, preparing students for the evolving landscape of manufacturing industries"

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
(Autonomous)
(Approved by AICTE and Affiliated to Anna University)
T.N.PALAYAM,
GOBI (TK),
ERODE (DT), TAMILNADU

CERTIFICATE PROGRAM

on

"COMPUTER INTEGRATED MANUFACTURING USING MASTERCAM"

10th to 13th Sep2024

Organized by

DEPARTMENT OF MECHANICAL ENGINEERING