

COURSE TITLE : BASIC CAD/CAM MILLING

COURSE OVERVIEW

This course provides introduction to CAD/CAM system which integrates with the application of CNC milling machine.

Focuses on different CAM techniques, basic modeling, various tool path styles, cutting parameters and selection of proper tooling. Performing tool path verifications and generation of part programs via CAM software.

COURSE OBJECTIVES

At the completion of this course, participants will be able to :

- Understand the basic CAD design and conversion data.
- Apply all machining techniques up to 2.5 axis machining.
- Generate the tool paths
- Perform verifications and analysis for machined part simulation
- Initialize generated part programs via CNC milling controller

THE UNIQUENESS OF THIS COURSE

- The training approach is practical based, involving CAD/CAM applications and CNC machining.
- Experienced trainers in the field of CNC programming, CAD modeling and CAD/CAM machining technology.

WHO SHOULD ATTEND

This course is designed to those who are related to the manufacturing, production and metal working industry.

TARGET GROUP

Design engineers, tooling engineers, programmers, machinist, technicians and technical trainers.

KEY TOPICS

- Basic part design and geometry construction
- Axial and milling machining operations up to 2.5 axis machining strategies
- Tool path verification and analysis
- Generating part programs
- Transferring part programs into CNC milling controller

METHODOLOGY

Consist of practical activity with application of CAD/CAM software, lessons delivery is via demonstration, practical and discussions.

COURSE DURATION

3 Days

PRE-REQUISITE

Participants should have basic machining and CAD software knowledge.

CERTIFICATION

Certificate of attendance will be issued to those who successfully completed the course.

Minimum participants: 6