

# FUNDAMENTAL CNC MILLING FOR MANUFACTURING (ISO/HEIDENHAIN)



## COURSE OVERVIEW

This course is designed to provide participants with the fundamentals of CNC milling machine concepts with CNC simulation software that replicates an actual CNC machine control. Participants would be exposed to the CNC milling components and features, cutting technology, basic programming and CNC milling machine operations.

## COURSE OBJECTIVES

Upon completion of this course, participants will be able to:

- Describe the components, features and principles operation of CNC Milling machine.
- Write CNC programs according to the drawing given and perform part simulation.
- Perform CNC milling operations such as work piece zero setting, tool setting, program editing and machining.

## THE UNIQUENESS OF THIS COURSE

- Hands-on training approach.
- Part graphic simulation.
- Industrial type CNC milling machine.

## WHO SHOULD ATTEND

This course is designed for those related to the metal cutting processes and those who wish to have a basic introduction to CNC Machining using 3-axes machines.

Target Group: Students & Lecturers, Factory Workers, Supervisors, Technicians, Asst. Engineers and Engineers.

## KEY TOPICS

- Introduction to CNC
- CNC Machine Tool
- Technology of Metal Cutting Fundamentals
- Introduction to CNC Milling
- Linear and circular programming
- Demonstration

## METHODOLOGY

Lectures, discussions, exercises & practical applications / lab work.

## COURSE DURATION

3 Days.

## PRE-REQUISITE

Knowledge in basic cutting process will be an added advantage.

## CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.

### For further details, please contact:

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