

MACHINE TOOL OPERATION



COURSE OVERVIEW

Introduce the basic concept and operation of metal machining processes and finishing processes in carrying out the workshop practice by selecting and applying the milling, turning, surface grinding operations and procedures, that include safety regulations, machine construction, operating elements, drive system, cutters and angles, clamping device, cutting parameters and methods in producing various shapes of products according to the drawing specifications and safety regulations.

COURSE OBJECTIVES

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

- Describe the basic features and principles of a conventional milling, turning and surface grinding machine, processes and operations in metal machining process
- Perform basic machining and quality function in selecting and apply appropriate milling, turning and surface grinding processes, devices and operations according to the drawing, dimensions, specifications and safety regulations.

THE UNIQUENESS OF THIS COURSE

- The training approach is based on demonstration and hands on exercises.
- Experienced trainers in the field of related machining operations.

WHO SHOULD ATTEND

This course is designed to those who are related in the metal machining operation.

Target Group: Machinist, Designer, Tooling Technician, technicians and technical trainers.

KEY TOPICS

- Safety Rules and Regulations
- Introduction to Milling Machine
- Types of Milling Cutter/Cutter Angles
- Mounting of Milling Cutter
- Mounting of Workpieces for Milling
- Milling Techniques
- Milling Operation
- Introduction to the Lathe Machine
- Clamping Device for Turning
- Turning Tools
- Turning Techniques & Operation
- Grinding Machine
- Grinding Process
- Grinding Wheel Dressing Technique
- Mounting of Workpieces for Grinding

METHODOLOGY

Lectures, discussions, exercises & practical applications.

COURSE DURATION

9 Days

PRE-REQUISITE

Minimum have completed SPM/SPMV

CERTIFICATION

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

For further details, please contact:

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