

Course Title: ADVANCED CONVENTIONAL TURNING (LATHE) **Course Code: MMF 101 (2)**

Course Background / Summary:

This course covers the advanced level of the principles and operations of conventional lathe machine tools, emphasizing the setup and operation of lathes. Topics will include safety, turning, drilling, threading, and cutting tools setups as applied in the industry.

Course Objectives:

- Perform lathe operations using conventional lathe machines.
- Identify required work and tool holding devices, select, mount, set up, and adjust appropriate accessories, attachments, and workpieces to perform lathe machine operations such as facing, turning, threading &, etc.
- Perform machine and work holding device alignments.

Target Audience:

- Machines Operators and Suppliers
- Teaching staff (including vocational and technical teachers)
- Industrial workers

Course Duration: 3 Days

Course Contents

1.0 Introduction & Safety

2.0 Lathe Accessories & Work Holding Systems

3.0 Cutting Speed, Feeds & Depth of Cut

4.0 Process Planning & Parameters

5.0 Lathe Operations & Project