



BASIC MECHANICAL TECHNOLOGY

Programme Outline

M1

1. Using common hand tools.
2. Using calipers to verify dimensions to an accuracy of 0.02mm
3. Fabrication
 - a) Rotary to linear motion
 - b) Square & peg fitting
 - c) Dovetail & parallel slides assembling

M2

1. Assembling a pipe-work with bending and threaded fitting.
2. Copper tube pipe-work
3. UPVC pipe-work

M3

1. Servicing a chain-block
2. Replacing Anti-friction bearing
3. Servicing Roller chain drive
4. Replacing Vee belt drive
5. Leveling machining bed & alignment of tailstock

M4

1. Servicing of Lift-type fluid valves (Globe & Gate valves)
2. Assembling Basic Pneumatics circuits
3. Assembling Basic Hydraulic circuits
4. Servicing Hydraulic components (Gear pumps & Cylinder)

Duration of Course	: 60 Hours
Course fee per participant	: \$650.00
Test fee per participant	: \$370.00