



**INSTITUTE OF
MANAGEMENT &
TECHNOLOGY**

INNOVATION • MOTIVATION • TRANSFORMATION

WORKSHOP TECHNOLOGY (P-143005)

1. Single point cutting tool grinding.
2. A composite job involving turning, taper turning, thread cutting and knurling.
3. Marking and drilling practice using column and knee type drilling machine and radial drilling machine.
4. A job on drilling, reaming, counter boring and counter sinking.
5. Prepare a V- block on shaper machine.
6. Exercise on key way cutting..
7. Planning of C.I. block
8. Preliminary joining practice by gas welding.
9. Exercises of gas welding on the following Aluminum, Brass, Copper, C.I.
10. Gas cutting of the following types (a) Preliminary gas cutting practice (b) Stock cutting by oxy acetylene
11. Making following types of joints by arc welding: (a) Preliminary joining practice by arc welding (b) Butt and lap joint (invertical position, travel up and down) (c) Welding of outside corner joint
12. Exercise on spot welding
13. Exercise on brazing
14. Exercise on TIG/MIG welding
15. Testing & Inspection of welding defects visually
16. Pattern making: Preparation of solid pattern (single piece), Preparation of split pattern
17. Preparation of the following types of moulds. Floor molding.
18. Testing moisture content of moulding sand
19. Moulding and casting of (a) a solid pattern b) a split pattern
20. Testing and inspection of casting defects visually.

**Department of
Mechanical & Engineering**