

Workshop Practice

ME 111 S1

ME 111 S2

Scheme

L	T	P	Credit
0	0	4	02

List of Practical

- **UNIT 1** (12 Hours)
Introduction of the tools used in carpentry shop and skill development in carpentry works.
- **UNIT 2** (12 Hours)
Introduction of the tools used in Fitting shop and skill development in fitting works.
- **UNIT 3** (12 Hours)
Introduction of the tools used in smithy shop, and skill development in smithy works.
- **UNIT 4** (12 Hours)
Introduction of the tools used in soldering and other joining processes and skill development in soldering and other joining works.
- **UNIT 5** (04 Hours)
Introduction to House wiring, different types of cables. Types of power supply, types of motors, Relays and Contractors, ELCB, distribution of power supply, LED lighting, MCB, Electrical wiring symbols, Energy Meter, SPDT/DPDT switches.
Earthing and Grounding, EMI & EMC issue
- **UNIT 6** (04 Hours)
Identifications of Electronics Components,
Soldering of components,
Components Mounting on Bread Board,
Functioning of Power supply, Function Generator, CRO, DSO.

(Total Practical Hours: 56)

Reference book:

1. H.S. Bava, "Workshop Technology", Tata McGraw Hill Publishing Co. Ltd., 1995.
2. S.K. Hajra Chaudhary, "Elements of Workshop Technology Vol. I", Asia Publishing House, 1988.
3. W.A.J. Chapman, "Workshop Technology", ELBS Low Price Text, Edward Donald Pub. Ltd., 1961
4. Gupta K.N. & Kaushish J.P., "Workshop Technology Vol. I, II", New Delhi Heights Pub., New Delhi, 1991
5. Raghuvanshi B. S., "Course in Workshop Technology", Dhanpat Rai & Sons, New Delhi, 1991.
6. Tejwani V. K. "Basic Machine Shop Practice Vol. I, II", Tata McGraw Hill Pub. Co., New Delhi, 1989.
7. Arora B. D. "Workshop Technology Vol. I, II", Satya Prakashan, New Delhi, 1981.