



I Year – II SEMESTER		L	T	P	C
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WORKSHOP PRACTICE LAB (ES1219)

Prerequisite Course: Basic knowledge on various engineering trades.

Course Learning Objectives: To impart hands-on practice on basic engineering trades and skills. Note:
At least two exercises to be done from each trade.

CO	Course Outcomes	POs
1	Appreciate carpentry	3
2	Understand Fitting	2
3	Develop skill in Black Smithy	2
4	Understand House Wiring	2
5	Appreciate Tin Smithy and Assembly & Disassembly of Computer	3

Syllabus:

Trade:

1. Carpentry
 1. T-Lap Joint
 2. Cross Lap Joint
 3. Dovetail Joint
 4. Mortise and Tenon Joint
2. Fitting
 1. Vee Fit
 2. Square Fit
 3. Half Round Fit
 4. Dovetail Fit
3. Black Smithy
 1. Round rod to Square
 2. S-Hook
 3. Round Rod to Flat Ring
 4. Round Rod to Square headed bolt
4. House Wiring
 1. Parallel / Series Connection of three bulbs
 2. Stair Case wiring
 3. Florescent Lamp Fitting
 4. Measurement of Earth Resistance
5. Tin Smithy
 1. Taper Tray
 2. Square Box without lid
 3. Open Scoop
 4. Funnel
6. IT Workshop
 1. Assembly & Disassembly of Computer