

I Year I Semester

Code: 20ES1104

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ENGINEERING WORKSHOP

Course Objectives:

1. To make the students practice basic engineering trades and skills
2. To nurture the students, build various joints used in different trades for several applications.

Course Outcomes:

At the end of the Course, Student will be able to:

1. Construct the various wooden joints.
2. Develop various fitting joints.
3. Develop components for making the various sheet metal models.
4. Experiment with the various house wiring connections.

List of Experiments:

S.No	Name of the Experiment	S.No	Name of the Experiment
Carpentry		Tin Smithy	
1	Cross Lap Joint	1	Taper Tray
2	Dovetail Joint	2	Funnel
3	T - Joint	3	Plain Pipe
House Wiring		Fitting	
1	Parallel Connection of three bulbs	1	Vee Fit
2	Series Connection of three bulbs	2	Square Fit

List of Augmented Experiments:

(Student can perform any one of the following experiments)

1. Stair Case wiring
2. Florescent Lamp Fitting

Reference Books:

1. Engineering Workshop by Dr. A. B. Srinivasa Rao, AMIGO Books.
2. Manual on Workshop practice by Dr. P.Kannaiah & Dr. K.L.Narayana, Scitech publications.