

MVSR Engineering College, Nadergul.
Department of Mechanical Engineering
COURSE OUTCOMES

Class: B. E. 1st Year (Common to All Branches)

Name of the course: Engineering Workshop

Course Name (Code): ME 131

At the end of the course student is able to

S.No	Outcomes	POs mapped	PSOs mapped
M 131.1	The student would be able to utilize the various tools of carpentry namely bench vice, planes, mallet, hammers, files, different saws, etc to perform various carpentry joints like half lap joint, dove tail joint, bridle joint, etc.	PO1, PO2, PO3, PO9, PO10, PO12.	PSO2.
M 131.2	The student would be able to utilize the various tools of plumbing namely pipe vice, hack saw, pipe cutter, wrench, dies, pipe fittings, etc to prepare various pipe joints. Subsequently the student would be able to estimate how to prepare pipe connections for domestic and industrial applications.	PO1, PO2, PO3, PO9, PO10, PO12.	PSO1, PSO2.
M 131.3	The student would be able to utilize the various tools of fitting namely bench vice, V block, files, surface plate, surface gauge, hacksaw, drill bits, etc to perform various operations on the work piece (job) like filing, scrapping, drilling, tapping, etc.	PO1, PO2, PO9, PO10, PO12.	PSO2.
M 131.4	The student would be able to utilize the various tools of sheet metal (tin smithy) namely hammer, mallet, stakes, snips, pliers, punches, vernier calipers, wire gauge, etc to perform various operations like cutting, shearing, notching, bending, riveting, etc. on the given sheet metal and develop various objects like tray, funnel, scoop, cylinder, etc.	PO1, PO2, PO3, PO9, PO10, PO12.	PSO1, PSO2.
M 131.5	The student would be able to identify different types of connections like series, parallel, stair case wiring, etc. Subsequently, the student would be able to correlate the methods of electrical wiring in different domestic and industrial applications.	PO1,PO2,PO4, PO9,PO10, PO12	PSO2.
M 131.6	The student would be able to understand the different types of welding techniques like arc welding, gas welding, brazing, soldering, etc and prepare various weld joints like lap joint, butt joint, T joint, etc.	PO1,PO2,PO4, PO9,PO10, PO12	PSO2.