

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

Class: B. E. 1st Semester – Common to all branches

Name of the course: Engineering Workshop-1

Course Code: ES 155 ME

At the end of the course student is able to

| S.No | Outcomes | POs mapped | PSOs mapped |
|---------|---|---------------------------------|-------------|
| M 155.1 | 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 155.2 | 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 155.3 | 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 155.4 | 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. |