

| Course code | Course Name | L-T-P - Credits | Year of Introduction |
|---|----------------------------|-----------------|----------------------|
| ME335 | PRODUCTION ENGINEERING LAB | 0-0-3-1 | 2016 |
| Prerequisite: Nil | | | |
| Course Objectives <ul style="list-style-type: none"> To give an idea about different manufacturing processes and to perform different types of tests on various works. | | | |
| List of Exercises/Experiments : Experiment on arc/TIG/MIG welding: - <ol style="list-style-type: none"> butt welding and lap welding Experiment on lathe:- <ol style="list-style-type: none"> Facing, plain turning, step turning, parting – groove cutting, knurling and chamfering form turning and taper turning – Eccentric turning. Measurement of flank wear in turning process using tool makers microscope. Experiment on thread cutting: - <ol style="list-style-type: none"> single and multi start external single and multi start internal threads, Square and V-threads. Experiment on drilling machine: - <ol style="list-style-type: none"> Drilling, boring, reaming counter sinking and tapping | | | |
| Expected outcome: <ul style="list-style-type: none"> The students will be able to perform welding and machining operations in lathe and drilling machine | | | |
| List of Equipments <ul style="list-style-type: none"> 3 or 4 jaw Lathe Arc / TIG / MIG welding machine Drilling machine Thread cutting tools. | | | |