

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. 			