

Course Code	ME 322
Course Title	Mechanical Engineering Laboratory I
No. of Credits	1
Pre-requisites	CE 201, ME 221 and ME 223
Compulsory/Optional	Compulsory for Mechanical Engineering stream
Aim(s): To provide the opportunity to engage in self-directed learning to solve as a team an open-ended problem in the areas of mechanics of machines, thermodynamics, and mechanics of materials so that all the students will be able to identify and scientifically formulate a problem.	
Intended Learning Outcomes: On successful completion of the course, the students should be able to: <ul style="list-style-type: none"> • hypothesize and test viable solutions, • work as a team to resolve conflicting requirements, • acquire new knowledge on their own to determine a viable solution, • communicate professionally through viva voce or reports. 	
Time Allocation (Hours) : Practical 26, Assignments 04 (Notional Hours: 50)	
Course content / Course description : <ul style="list-style-type: none"> • Mechanics of machines (specific lab/labs to be decided and announced at the beginning of the class) • Thermodynamics cycles (specific lab/labs to be decided and announced at the beginning of the class) • Mechanics of material (specific lab/labs to be decided and announced at the beginning of the class) 	
Recommended Texts : <ul style="list-style-type: none"> • Will be provided at the beginning of the class depending on the lab/labs chosen for the given semester. 	
Assessment	Percentage Mark
In-course	
Tutorials/Assignments/Quizzes/ <u>Practicals</u>	-
Reports	40
Verbal Presentations	30
Mid Semester Examination	-
End-semester: Viva	30