

Subject Code	Subject Name	Teaching Scheme (Hrs)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETL 403	Software Simulation Laboratory	--	02	--	--	01	--	01

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Practical And Oral	Oral	Total
		Internal assessment			End Sem. Exam				
		Test 1	Test 2	Avg. Of Test 1 and Test 2					
ETL 403	Software Simulation Laboratory	--	--	--	--	25	25	-	50

Objectives

Students will demonstrate

- an ability to design a system and process as per needs/specifications.
- an ability to visualize and work on laboratory and multi disciplinary task.
- skills to use modern Engineering tools, software's and equipments to analyze problems.

Term Work:

At least 10 simulation based experiments from Analog Electronics, Digital Electronics, Circuits and Transmission, Microprocessor, Signals and Systems and Wave Theory and Propagation should be set to have well predefined inference and conclusion. The experiments should be students centric and attempt should be made to make experiments more meaningful, interesting and innovative.

Term work assessment must be based on the overall performance of the student with every experiment graded from time to time. The grades converted into marks as per Credit and Grading System manual should be added and averaged. Based on this final term work grading and term work assessment should be done. It is advisable to use required application software for simulation based experiments. Use of open source software should be encouraged.

Practical and oral examination will be based on simulation experiments.