Geethanjali College of Engineering & Technology
(An UGC Autonomous Institution)
Department of Electronics and Communication Engineering

For the evaluation of a laboratory course the following guidelines shall be followed:

For laboratory course, there shall be a Continuous Internal Evaluation (CIE) during the semester for 30 marks, and Semester End Examination (SEE) for 70 marks.

Out of the 30 marks for CIE, day-to-day work in the laboratory / practical shall be evaluated for 15 marks; and for the remaining 15 marks - two internal practical tests (each of 15 marks) shall be conducted. The average of these two tests is taken into account.

Evaluation of internal practical test for Hardware based lab course - CIE - 15 Marks

Parameter	Rubric	Marks Allocated
Circuit diagram	Ability to draw the required circuit diagram for conducting the given experiment	5
Procedure	Ability to write the procedural steps involved in conduct of the given experiment	
Conduct of Experiment	Ability to conduct experiment as an individual by giving appropriate connections and the required input(s)	5
Results and Presentation	Ability to record the experimental data, analyze the accuracy of the data (results) and effective presentation of the results	
Viva-voce	Ability to explain the theoretical concepts related to the experiment and/or related to other experiments of the laboratory course	5

Evaluation of internal practical test for Software based lab course - CIE - 15 Marks

Parameter	Rubric	Marks Allocated
Building Logic	Ability to apply related theoretical concepts to build necessary logic for solving of the given problem.	5
Program	Ability to write the program with proper syntax and debug (finding and fixing errors if any)	5
Results and Presentation	Ability to execute the program, analyze the accuracy of the results and effective presentation of the results	
Viva-voce	Ability to explain the theoretical concepts related to the experiment and/or related to other experiments of the laboratory course	5

Day to Day Evaluation - CIE - 15 Marks

Parameter	Rubric	Marks Allocated
Preparation	Ability to explain the procedural steps involved in conduct of the given experiment	5
Involvement	Ability to involve as a member of the team in conduct of an experiment, discuss and analyze the results	5
Record	Ability to make an effective report based on the experiment carried out on a regular basis	5

Rubrics for the evaluation of a Hardware based laboratory – AR 20 Regulations - SEE - 70 Marks

Parameter	Rubric	Marks Allocated
Circuit diagram	Ability to draw the required circuit diagram for conducting the given experiment	10
Procedure	Ability to write the procedural steps involved in conduct of the given experiment	10
Conduct of Experiment	Ability to conduct experiment as an individual by giving appropriate connections and the required input(s)	15
Results and Presentation	Ability to record the experimental data, analyze the accuracy of the data (results) and effective presentation of the results	15
Presentation on another experiment in the same laboratory course	Ability to present the procedural steps involved in conduct of another experiment given; right from drawing the circuit diagram to presentation of the expected results.	10
Viva-voce	Ability to explain the theoretical concepts related to the experiment and/or related to other experiments of the laboratory course	10

Rubrics for the evaluation of a Software based laboratory – AR 20 Regulations - SEE - 70 Marks

Parameter	Rubric	Marks Allocated
Building Logic	Ability to apply related theoretical concepts to build necessary logic for solving of the given problem.	10
Write Program	Ability to write the program with proper syntax and debug (finding and fixing errors if any)	20
Results and Presentation	Ability to execute the program, analyze the accuracy of the results and effective presentation of the results	20
Presentation on another experiment in the same laboratory course	Ability to write the program with proper syntax, debug and present the steps involved in executing the program related to another experiment given.	10

| Viva-voce | Ability to explain the theoretical concepts related to the experiment and/or related to other experiments of the laboratory course | 10 |