

Rubrics followed to evaluate the Lab Sessions

Level 1: Continuous Evaluation in every lab session (10 marks)

The Continuous Evaluation is done by the faculty in every lab session for 10 marks based on rubrics defined in the table 1.32 (2018-19, 2019-20 batch) and 1.33 (2020-21 batch) and the average marks of all sessions will be considered for awarding final internal assessment marks.

Students shall carry out laboratory work and are encouraged to use modern tools for executing the experiments. It is also supported with designed manual developed by the faculty handling the theory course. The students are expected to implement the algorithm in prescribed timeline and demonstrate the same to faculty. This is documented in laboratory record.

Table 1.32: Rubrics used for Continuous Evaluation in every lab session for 2018-19, 2019-20 batch

Parameter	Allocated Marks	LOW	MEDIUM	HIGH
Viva-voce	02	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1 mark	02 marks
Record writing	08	The record was not submitted in the lab session	The record was submitted in the lab session but was incomplete(no Algorithm / wrong Algorithm & no Flowchart / wrong Flowchart)	Completed record was submitted in the lab session
		0 mark	1-4 marks	5-8 marks

Table 1.33: Rubrics used for Continuous Evaluation in every lab session for 2020-21 batch

Parameter	Allocated Marks	LOW	MEDIUM	HIGH
Viva-voce	03	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1-2 mark	03 marks

Record writing	07	The record was not submitted in the lab session	The record was submitted in the lab session but was incomplete(no Algorithm / wrong Algorithm & no Flowchart / wrong Flowchart)	Completed record was submitted in the lab session
		0 mark	1-4 marks	5-7 marks

Level 2: Open Ended Experiment (10 marks)

For 2018-19, 2019-20 and 2020-21 Batches, Open Ended Experiment was conducted and evaluated for 10 marks. The Table 1.34 shows the Rubric for Assessment of Open Ended Lab Experiment for 2018-19, 2019-20 batch and the Table 1.35 shows the Rubric for Assessment of Open Ended Lab Experiment for 2020-21 batch.

Table 1.34: Rubric for Assessment of Open Ended Lab Experiment for 2018-19, 2019-20 batch

Parameter	Allocated Marks	LOW	MEDIUM	HIGH
Background Knowledge	02	Sufficient study and half of the questions have been answered correctly.	Adequate study and more than half of the questions have been answered correctly.	Thorough study and all the questions have been answered correctly.
		0 marks	1 mark	2 marks
Select Appropriate Equipment & Tools	02	Satisfactory selection of equipments and tools to achieve desired objective without proper reasoning.	Satisfactory selection of equipments and tools to achieve desired objective along with proper reasoning.	Relevant and smart selection of equipments and tools to achieve desired objective along with proper reasoning.
		0 marks	1 mark	2 marks
Design	02	Inappropriate Design and contains few technical errors.	Design documentation is appropriately detailed and structured for the intended Purpose with less information	Design documentation is appropriately detailed and structured for the intended

				Purpose.
		0 marks	1 mark	2 marks
Logic Construction	02	Significant findings are summarized. Acceptable conclusion. Acceptable suggestion for further research.	Significant findings are summarized. Good conclusion. Good suggestion for further research.	Significant findings are summarized. Precisely concluded. Excellent suggestion for further research.
		0 marks	1 mark	2 marks
Documentation	02	The requirements of document writing are not properly addressed.	Document meets all prescribed requirements.	Document meets all requirements and it is prepared in original and creative way to engage readers.
		0 marks	1 mark	2 marks

Table 1.35: Rubric for Assessment of Open-Ended Lab Experiment for 2020-21 Batch

Parameter	Allocated Marks	LOW	MEDIUM	HIGH
Background Knowledge	02	Sufficient study and half of the questions have been answered correctly.	Adequate study and more than half of the questions have been answered correctly.	Thorough study and all the questions have been answered correctly.
		0 marks	1 mark	2 marks
Select Appropriate Equipment & Tools	02	Satisfactory selection of equipment's and tools to achieve desired objective without proper reasoning.	Satisfactory selection of equipment's and tools to achieve desired objective along with proper reasoning.	Relevant and smart selection of equipment's and tools to achieve desired objective along with proper reasoning.
		0 marks	1 mark	2 marks
Design	02	Inappropriate	Design	Design documentatio

		Design and contains few technical errors.	documentation is appropriately detailed and structured for the intended Purpose with less information	n is appropriately detailed and structured for the intended Purpose.
		0 marks	1 mark	2 marks
Documentation	01	The requirements of document writing are not properly addressed.	Document meets all requirements and it is prepared in original and creative way to engage readers.	
		0 marks	1 mark	
Viva-voce	03	The student did not answered any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1-2 mark	03 marks

Level 3: Lab Internal

The Lab Internals are conducted as per the prescribed guidelines of University. The Evaluation is carried out based on the rubrics defined in Table 1.36 for 2018-19, 2019-20 Batch respectively.

Table 1.36: Rubrics used for Lab Internal 2018-19, 2019-20 & 2020-21 Batch (20 marks)

Parameter	Allocated Marks	LOW	MEDIUM	HIGH
Program Write-up	06	The Student was not able to write the program & Algorithm or flowchart	The Student was able to write the program & Algorithm or flowchart with mistakes	The Student was able to write the program& Algorithm or flowchart correctly
		0 marks	2-4 marks	6 marks
Execution	10	The Student was not able to code/debug/execute the program	The Student was partially able to code/debug/execute the program	The Student was able to code/debug/execute the program
		0 marks	3-6 marks	10 marks

Viva-voce	04	The student did not answered any viva - voce asked	The student answered few viva-voce asked	The student answered all viva-voce questions asked
		0 marks	2 marks	4 marks