Rubrics for Evaluating Course Activities

1. Continuous Lab Evaluation

Sl. No	Details	Marks
1.a	Record Writing	03
1.b	Conduction	03
1.c	Attendance	02
1.d	Viva voce	02
Total Marks to be entered in the Lab Record per Experiment		**10**
2	Internal Conduction	
2.a	Program write-up	05
2.b	Conduction	10
2.c	Viva Voce	05
Total marks for IA		**20**
3	Assignments for Laboratory: Conduct any one Activity	
3.a	Experiment / Lab program writing of previous week	10
3.b	Program Presentation for all classes – Group wise	10
3.c	App / Application / Mini Project Development	10
3.d	Alternative Solution to the Problems	10
3.e	Open ended Experiment conduction	10
3.f	Virtual lab / Simulation	10
Total marks for Assignment considering anyone of the Sl.no 03		**10**
Total marks for IA (10 + 20 + 10)		**40**

1	Name of the activities Continuous lab evaluation	Marks Distribution (Max 10)		
		3 - 2	**2--1**	**1--0**
1.a	Record Writing	If the student write the program with proper indentation and possible output for to separate inputs and with neat flowchart / algorithm	If the student write program and output for one set of input with flowchart / algorithm	If the student write program without proper output and incorrect flowchart / algorithm
1.b	Conduction	If the student shows the output for all the set of inputs	If the students shows output for only one set of input	If the students shows partial output
			2--1	**1--0**
1.c	Attendance	-	If the student attend more than 85% classes	If the student attend less than 85% classes
1.d	Viva voce	-	If the students answers all the questions with proper explanation	If the students answers in correct answers
2	Internal Conduction			
		3 - 2	**2--1**	**1--0**
2.a	Program write-up	If the student write the program with proper indentation and possible output for to separate inputs and with neat flowchart / algorithm	If the student write program and output for one set of input with flowchart / algorithm	If the student write program without proper output and incorrect flowchart / algorithm
		10 -- 8	**8 -- 5**	**5 -- 0**
2.b	Conduction	If the student shows the output for all the set of inputs	If the students shows output for only one set of input	If the students shows partial output
		5 -- 3	**3 -- 2**	**2 -- 0**
2.c	Viva Voce	If the students answers all the questions with proper explanation	If the students answers partially correct answers	If the students answers in correct answers
3	**Assignments for Laboratory: Conduct any one Activity**			
		10 -- 8	**8 -- 5**	**5 -- 0**
3.a	Experiment / Lab program writing of previous week	If the student write the program with proper indentation and possible output for to separate inputs	If the student write program and output for one set of input	If the student write program incorrectly with syntax and logical errors
3.b	Program Presentation for all	If the student able to	If the student able	If the student able

	classes – Group wise	explain the logic and syntax of the program properly (to be made understandable for other students)	explain only syntax and not proper logic of the program	explain the program but not able to convey the audience
3.c	App / Application / Mini Project Development	If the student able to develop the App / Mini project completely by considering various set of inputs	If the student able to develop the App / Mini project partially by considering various set of inputs	If the student able to develop the App / Mini project only prototype
3.d	Alternative Solution to the Problems	If the student able to develop the solution with alternative logic and get the same solution as obtained from the existing program	If the student able to develop the solution partially with alternative logic and get the same solution as obtained from the existing program	If the student able to develop the solution partially with alternative logic and get the partially solution as obtained from the existing program
3.e	Open ended Experiment conduction	If the student able execute the program / experiment which is not given in the syllabus by considering all possible inputs and outputs	If the student able execute the program / experiment which is not given in the syllabus by considering all possible inputs and outputs and get partially results	If the student able execute the program / experiment which is not given in the syllabus by showing only prototype
3.f	Virtual lab / Simulation	If the student able to execute the modern tool usage and conduct the experiment as done in the lab session using simulation	If the student able to execute partially and conduct the experiment as done in the lab session using simulation	If the student able to develop only prototype using modern tools

2. CASE Study

Sl. No	Details	Marks
1	Introduction about the study	10
2	Design a system / solution	10
3	Implementation using any programming Language	10
4	Possible Outcomes	10
5	Applications areas	10

2	Case study	Marks Distribution (Max 10)		
		10 -- 8	**8 -- 5**	**5 -- 0**
1	Introduction about the study	If the student understood the topic correctly	If the student understood the topic partially	If the student understood the topic satisfactorily
2	Design a system / solution	If the student give the explanation about the system design correctly	If the student give the explanation about the system design partially	If the student give the explanation about the system design satisfactorily
3	Implementation using any programming Language	If the student give the explanation about the Implementation correctly	If the student give the explanation about the Implementation partially	If the student give the explanation about the Implementation satisfactorily
4	Possible Outcomes	If the student shows possible outcomes with proper explanations	If the student shows partial outcomes with proper explanations	If the student shows improper outcomes
5	Applications areas	If the student lists all the application areas	If the student lists few the application areas	If the student lists less number of application areas

3. Role Play

Sl. No	Details	Marks
1	Selection of Topics	10
2	Team work	10
3	Innovation in Role Play	10
4	Overall Performance	10
5	On-time Execution	10

3	Role Play	Marks Distribution (Max 10)		
		10 -- 8	**8 -- 5**	**5 -- 0**
1	Selection of Topics	If the student selects relevant topic given by faculty	If the student selects relevant topic by his / her own choice	If the student selects not-relevant topic to the course
2	Team work	Involvement of the student as a team member with leadership quality	Involvement of the student as a team member	Included in the team just as a member
3	Innovation in Role Play	If the student exhibits new innovation with proper understanding	If the student exhibits new innovation with partial understanding	If the student exhibits new innovation with satisfactorily understanding
4	Overall Performance	Excellent	Good	Average
5	On-time Execution	On given date	One day after the given time	After one week

4. Beyond Syllabus Technical Seminar

Sl. No	Details	Marks
1	Selection of Topics	10
2	Preparation of Reports	10
3	Design of Power Point Presentation	10
4	Presentation Skill	10

4	Beyond Syllabus Technical Seminar	Marks Distribution (Max 10)		
		10 -- 8	**8 -- 5**	**5 -- 0**
1	Selection of Topics	If the student selects relevant topic given by faculty	If the student selects relevant topic by his / her own choice	If the student selects not-relevant topic to the course
2	Preparation of Reports	As per format with proper diagrams, clear representation with analogy	As per format with proper diagrams, clear representation without analogy	As per format with proper diagrams
3	Design of Power Point Presentation	Animations / Simulations	Minimum text content without animations/ simulations	Only text content
4	Presentation Skill	Excellent	Good	Average

5. Assignments Write-up

Sl. No	Details	Marks
1	On date submission	10
2	Write-up and Neatness with sketches	10
3	Relevant and Correct answers	10
4	Completeness of the Assignments	10

5	Assignments Write-up	Marks Distribution (Max 10)		
		10 -- 8	**8 -- 5**	**5 -- 0**
1	On date submission	On date submission	One day after date of submission	One week after that date of submission
2	Write-up with clear sketches	Figures with clear flow and scale (Ratio)	Figures with scale	Figures without scale (Ratio)
3	Correct answers	Must be understandable and relevant to questions	Must be understandable to reader	Relevant but not understandable
4	Completeness of the Assignments	100% (All questions answered 10/10)	70% (Some questions are not answered 7/10)	50% (Only few questioned are answered 5/10)

6. Group Discussion

Sl. No	Details	Marks
1	Initiation of the topic	10
2	Communication Skill	10
3	Depth of Knowledge about the topic	10
4	Time Management	10
5	Conclusion	10

6	Group Discussion	Marks Distribution (Max 10)		
		10 -- 8	**8 -- 5**	**5 -- 0**
1	Initiation of the topic	Initiation of the topic with relevant content related topic given	Initiation of the topic not related topic given	Not initiated the topic
2	Communication Skill	Excellent	Good	Average
3	Depth of Knowledge about the topic	With relevant statistics and evidence	Only with statistics	No statistics and evidence
4	Time Management	Completion of talk by utilizing by given time	Taking more time	Taking less time to complete the talk
5	Conclusion	Concluding the topic by considering all the pros and cons	Concluding the topic by considering only positive/negative things	No conclusion

7. Mini Project

Sl. No	Details	Marks
1	Selection of Topic	10
2	Report preparation	10
3	Presentation	10
4	Applications / Outcomes	10
5	Team work	10

7	Mini Project	Marks Distribution (Max 10)		
		10 -- 8	**8 -- 5**	**5 -- 0**
1	Selection of Topic / Relevance to Industry	If the student selects relevant to new technology and social benefits	If the student selects relevant to new technology	If the student selects relevant to technology
2	Report preparation	As per format with proper diagrams, clear representation with analogy	As per format with proper diagrams, clear representation without analogy	As per format with proper diagrams
3	Presentation	Animations / Simulations	Minimum text content without animations/ simulations	Only text content
4	Applications / Outcomes	If the student lists all the application areas	If the student lists few the application areas	If the student lists less number of application areas
5	Team work	Involvement of the student as a team member with leadership quality	Involvement of the student as a team member	Included in the team just as a member

8. Jeopardy Games

Sl. No	Details	Marks
1	Formation of Team / Group	10
2	Team contribution	10
3	Confidence level	10
4	Total marks scored	10

8	Jeopardy Games	Marks Distribution (Max 10)		
		10 -- 8	8 -- 5	5 -- 0
1	Formation of Team / Group	If the students form the team including bright students, slow learners and average students	If the students form the team including only bright students/ slow learners	If the students form the team without any proper planning
2	Team contribution	If all the students in the team are able to answer	If few students in the team are able to answer	If only one student in the team are able to answer all the questions
3	Confidence level	Bidding for highest marks	Bidding for average marks	Bidding for less marks
4	Total marks scored	First position	Second position	Third position