

ICT 3143 Embedded Systems LAB Evaluation Details
B. Tech (CCE), V semester, JUN-NOV 2024

Lab number (as mentioned in the lab manual)	Lab Task	Evaluation	Marks
Lab1	Introduction		
Lab2	Data transfer		
Lab3	Arithmetic instructions		
Lab4	Code conversion ,	Quiz Syllabus:Lab1 to Lab4	5 marks
LAB 5	Sorting and Searching, Stack	Record (Syllabus:Lab1 to Lab4)	4 marks
Lab6	Introduction to embedded C programming	Midterm Evaluation: portion: Lab1to Lab5, Followed by Lab 6	15marks (1hr , writeup(8mark)+ execution(7marks))
Lab7	LED interfacing		
Lab8	Multiplexed Seven Segment interfacing	Mini-projectBriefing*	
Lab9	LCD and Keyboard Interfacing	Quiz (Lab 6 to Lab 9) Project Synopsis Submission	5-Quiz 2 marks
Lab10	ADC	Record: Lab 5-lab 9 Follow up on project progress	4 marks

Lab 11	PWM	Follow up on project progress	2 marks
Lab 12	Mini Project	Mini Project Evaluation Record: Lab 10-lab 11	16 4 marks
Lab 12		End SEM exam	40

* Project Details will be briefed during the lab hours. Project progress evaluation will be continuous.

- 3 marks for Program execution and will be checked twice and it can be conducted randomly on any lab day. The program check will not be repeated in case the student is absent.
- Midterm Evaluation: Writeup (8M) + Program Execution (7M)
- Project: 20 M (Report (5)+ Viva (5)+ PROGRESS EVALUATION (4)+Demo(6))
- End Sem: Write up (25marks) + Execution (15marks)
- Record of exercise questions and/or additional programs must be written neatly with appropriate comments and proper input/output.
- As part of project, students will be grouped in teams of 3 members. Evaluation of Project will be done based on synopsis submission, weekly progress, report submission, demonstration, and viva. Further information regarding project work will be communicated in due time.
- If there are any changes in the evaluation details or other information, it will be communicated during lab hours.

