

Chandigarh Engineering College Landran - CGC, Landran, Mohali

Department of Electronics and Communication Engineering

Assignment No.2

Max. Marks: 10

Subject code: BTEC-402-18, Microprocessor and Microcontroller (MPMC)

Semester: 4th

Date on which assignment is given: 30/03/2024

Date of submission of assignment: 5/04/2024

Each question carry 2 marks

Course Outcomes:

1. Understand architecture & functionalities of different building block of 8085 microprocessor.
2. Understand working of different building blocks of 8051 microcontroller.
3. Comprehend and apply programming aspects of 8051 microcontroller.
4. Interface & interact with different peripherals and devices.

Bloom's Taxonomy Levels

L1 – Remembering, L2 – Understanding, L3 – Applying, L4 – Analyzing, L5 – Evaluating, L6 - Creating

ASSIGNMENT-2

S. No.	Questions	Relevance to CO	Bloom's Level
1.	List and explain the Bit Manipulation instructions used in Assembly language of 8051 μ C.	CO 3	L4
2.	Compare various addressing modes of 8051 μ C.	CO 3	L5
3.	Develop a program using timer 0 of 8051 μ C to create a square wave of 1KHz on pin P1.0.	CO 3	L6
4.	Draw and explain the Interfacing circuit of stepper motor with 8051 μ C.	CO 4	L3
5.	Write an Assembly language program to Interface LCD with 8051 μ C.	CO 4	L3

H. N. Singh

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