**18ECC203J - Microprocessor, Microcontroller and Interfacing Techniques**

**Portfolio Questions**

**Assignment I**

**UNIT II : 8086 Programming**

**Create:**

1. Draw a flowchart and write an 8086 ALP to detect a word is a palindrome or not using string instructions. If palindrome it should store FFh in location 1200h. Else 00h in the location 1200h (10 marks)

**Evaluate:**

1. Identify the addressing modes of the instructions listed below (5 marks)
2. TEST [BX][DI], CX
3. JMP 1000H:4050H
4. AND AX,0007H
5. OUT 03H, AL
6. MUL BX

**Analyze:**

1. Analyze the below program and express the operation of the program with sample data. (5 marks)

MOV AX, Data1

MOV BX, AX

MUL BX

MOV [1200], AX

MOV [1202], DX

HLT