EXTC Semester 5

Microprocessor and Peripherals Interface (MPI)

Subject teacher- Vijay M. Purohit (VPU)

Exp No	Title of experiment	Objectives
1	ALP to 16 bit perform basic calculator operation.	To understand ALU operations, instructions
2	- ALP for code conversion	To understand ALU operations, instructions
3	APL for block transfer from data segment to data segment and data segment to extra segment using string instruction	To understand block manipulation, indexing and loops
4	8086 ALP to find smallest number and greatest number in memory block	To understand data comparison, sorting, indexing and looping
5	8086 ALP to arrange data series ascending order and in descending order.	To understand data comparison, sorting, indexing and looping
6	8086 ALP to identify and count even and odd numbers.	To understand data comparison, sorting, indexing and looping
7	8086 ALP to check for series is Palindrome.	To understand logic and algorithm development for specific task using basic operations
8	8086-8087 ALP for finding Hypogenous of right angle triangle and area of circle.	To understand writing 8086-8087 homogenous program. Use of co-processor, use of math processor in complex

		arithmetic operations.
9	PBL-1: Design of basic 8-bit calculator using INT 21H.	To use extended features of course content and practical platform. Use of subject in real life problem solving and beyond syllabus activities.
10	PBL-2: Password identification using INT 21H.	To use extended features of course content and practical platform. Use of subject in real life problem solving and beyond syllabus activities.