CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHANDUBHAI S PATEL INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
ACADEMIC YEAR: 2018-19
List of Experiments

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Subject: Computer Organization & Microprocessor (IT 212) (4th Sem)

Sr No	Practical Aim
1	a) Write an ALP to move block of data bytes from one location to another location. b) Write an ALP to exchange block of data bytes.
2	a) Write an ALP to perform 16-bit and 32-bit addition and subtraction. b) Write an ALP to perform 16-bit and 32-bit multiplication.
3	a) Write an ALP to perform sorting of array in ascending order. b) Write an ALP to perform sorting of array in descending order.
4	a) Write an ALP to perform factorial of a number b) Write an ALP to check whether the given 16 bit number is palindrome or not
5	Interface programmable peripheral interface 8255, 4 - SPST switches and 4 LEDs with 8086. Write ALP to read the status of switches and display on LEDs.
6	Interface programmable peripheral interface 8255, 8 LEDs with 8086. Write ALP to display 2 different patterns on LEDs.
7	Interface programmable peripheral interface 8255, 2 digit common cathode seven segment with 8086. Write ALP to display BCD counter on seven segment.
8	Interface programmable peripheral interface 8255, 16x2 alpha numeric LCD with 8086. Write ALP to display first name and last name on LCD.
9	Interface programmable peripheral interface 8255, ADC with 8086. Write ALP to convert Analog temperature value in digital and display on LCD.
10	Interface programmable peripheral interface 8255, DAC and oscilloscope with 8086. Write ALP to generate triangular waveform.