

## DEPARTMENT OF COMPUTER ENGINEERING

Semester: II Academic Year: 2019 - 2020 Div: A & B Class: SE

Course code: 210257 Course: Microprocessor lab

Practical (with no. of hours): 04 Hrs / Week

Practical Marks:50

Term Work Marks: 25 Suggested List of Laboratory Assignments Write 64 bit ALP to count number of positive and negative numbers from the array Write 64 bit ALP to perform non-overlapped and overlapped block transfer. Write menu drive 64 bit ALP to convert 4-digit Hex number into its equivalent BCD number and 5-digit BCD to Hex 3. Write menu driven 64 bit ALP to perform multiplication using successive addition and add and shift method. 4. Write 64 bit ALP to find, a) Number of Blank spaces b) Number of lines c) Occurrence of a particular character using FAR procedure and file Write 64 bit menu driven ALP to implement OS commands TYPE, COPY and DELETE using file 5. 6. Write 64 bit ALP to find the factorial of a given integer number Write 64 bit program to sort the list of integers using bubble sort and file 7. Write 64 bit ALP to switch from real to protected mode and display the values of GDTR\_LDTR\_ 8. IDTR, TR and MSW Registers. Write 80387 ALP to obtain: i) Mean ii) Variance iii) Standard Deviation 9. Write 80387 ALP to plot Sine Wave, Cosine Wave 10. Write a TSR to generate the pattern of the frequency tones by reading the Real Time Clock 11.

> Prof. M. P. Mahajan SE A Prof. N. M. Pagare SE B Course Teachers