**List of Experiments**

**Class & Scheme:** SE COMP RC19-20

**Course:** CE470 MICROPROCESSORS & MICROCONTROLLERS LAB

**Year:** Mar\_July 2022

**Faculty in-charge:** Ms.Gauri Barve, Ms.Cynara Fernandes

|  |  |  |  |
| --- | --- | --- | --- |
| **Expt No** | **Experiment Name** | **CO** | **CL** |
| 1 | a)Introduction to programming in 803868(Vi Editor Commands)  b)Write 80386 ALP to print the given statement (eg:HELLO WORLD) |  | CL2 |
| 2 | Write a program which illustrates the programming constructs of higher level language in 80386 assembly coding. |  | CL3 |
| 3 | Write a program to implement Linear Search. |  | CL3 |
| 4 | Write a program to implement Bubble Sort. |  | CL3 |
| 5 | Write a program to demonstrate block data transfer with or without string instructions. |  | CL3 |
| 6 | Write a program which contains the following macros:  a. For calculating the Fibonacci series for N  b. For entering the value of N.  c. For displaying the numbers. |  |  |
| 7 | Write a program which contains the following procedures:  a. BCD to HEX  b. HEX to BCD |  | CL3 |
| 8 | Write a program using 80387 NDP. |  | CL3 |
| 9 | Case study on 8051 microcontroller. |  | CL3 |