**Mapping of Virtual Labs of Microprocessor and Microcontroller Lab (EE 223)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No** | **List of Experiments** | **Name of the Institute** | **Mapping** | **Link** |
| 1 | Addition of two 8 bit numbers | IIT Bombay | Y | <http://vlabs.iitb.ac.in/vlabs-dev/labs_local/microprocessor/labs/explist.php> |
| 2 | Subtraction of two 8 bit numbers | IIT Bombay | Y | <http://vlabs.iitb.ac.in/vlabs-dev/labs_local/microprocessor/labs/explist.php> |
| 3 | Multiplication of two 8 bit numbers | IIT Bombay | Y | <http://vlabs.iitb.ac.in/vlabs-dev/labs_local/microprocessor/labs/explist.php> |
| 4 | Division of two 8 bit numbers | IIT Bombay | Y | <http://vlabs.iitb.ac.in/vlabs-dev/labs_local/microprocessor/labs/explist.php> |
| 5 | Sorting given'n'numbers in Ascending order | IIT Bombay | Y | <http://vlabs.iitb.ac.in/vlabs-dev/labs_local/microprocessor/labs/explist.php> |
| 6 | Sorting given'n'numbers in Descending order | - | N | - |
| 7 | To Convert Binary to BCD code | - | N | - |
| 8 | To convert BCD to Binary code | - | N | - |
| 9 | Write an Assembly language program to transfer a block of data placed in one memory location to another memory location in forward order. | IIT Bombay | Y | <http://vlabs.iitb.ac.in/vlabs-dev/labs_local/microprocessor/labs/explist.php> |
| 10 | Write an Assembly language program for searching a number in the given array and also find the occurrence of that data. | - | N | - |
| 11 | Write an Assembly language program to generate 15 Fibonacci number and sum of them. | - | N | - |
| 12 | Write an Assembly language program to find out Factorial of a F given 8-bit number. | - | N | - |
| 13 | Write an Assembly language program to obtain a rolling display of a particular data by using 8085 microprocessor. | - | N | - |