



Government Girls' Polytechnic, Bilaspur

Name of the Lab: **Digital Electronics Lab**

Practical: **Advanced Microprocessor & Microcontroller Lab**

Class :**VI Semester (ET&T)**

Teachers Assessment: 10 End Semester Examination: 40

List of Experiments

1. Identify different components/units in 8086 kit.
2. Execute a sample program.
3. Develop 8051 assembly language program on trainer kit for addition of two 8 bit numbers and 16 bit numbers.
4. Develop 8051 assembly language program on trainer kit for subtraction of two 8-bit numbers and 16 bit numbers.
5. Develop 8051 assembly language program on trainer kit for Byte & bit logical operation.
6. Develop 8051 assembly language program on trainer kit for multiplication & division of two 8-bit numbers/2 decimal numbers.
7. Interface ELC matrix display.
8. Interfacing design for A/D & D/A converter.
9. Develop 8051 assembly language program on trainer kit for OR-ing of two 8-bit numbers.
10. Develop 8051 assembly language program on trainer kit for AND-ing of two 8-bit numbers.
11. Develop 8051 assembly language program on trainer kit for Inverse AND-ing of a 8-bit numbers.
12. Develop 8051 assembly language program on trainer kit for Inverse EX-ORing of 8-bit numbers.
13. Develop 8051 assembly language program on trainer kit for finding 1's and 2's complements of 8-bit numbers.