



STANLEY
COLLEGE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Approved by AICTE , New Delhi | Affiliated to Osmania University ,Hyderabad)
Address : Chapel Road, Abids ,Hyderabad

CS 282

MICROPROCESSOR LAB

Course objectives:

- Write simple assembly language program using 8085 instruction set
- Write programs to interface various peripheral devices with 8085.
- Design simple applications using 8051 Micro controller.

PART A: 8085 PROGRAMMING USING MICROPROCESSOR TRAINER KIT

1. Simple programming examples using 8085 instruction set. To understand the use of various instructions and addressing modes.
2. Interfacing and programming of 8255. (E.g. traffic light controller).
3. Interfacing and programming of 8254.
4. Interfacing and programming of 8279.

PART B: 8051 PROGRAMMING

- 1.Simple Programming examples using 8051 Micro Controller.
- 2.A/D and D/A converter interface.
- 3.Stepper motor interface.
- 4.Display