

*Syllabus* : Microprocessor architecture, Microprocessor programming, Assembly Language of 8085 and 8086 microprocessors, Software controlled serial and parallel I/O in 8085, Use of programmable interrupt controller, programmable peripheral interface ( 8255), DMA controller, PIT (8253) and DMA. Experiments related to interfacing ADC, DAC, Motors, Timers, Serial and Parallel ports, etc. to such kits/boards.

*Texts* :

1. Ramesh Gaonkar, Microprocessor Architecture, Programming, and Applications with 8085, 5/e, Penram International Publishing, 2009.
2. D. V. Hall, Microprocessors and Interfacing, 2/e, McGraw Hall, 2006.
3. Relevant Analog and Digital IC and component manuals.