

Skill Courses S.Y.B.Sc.

Microprocessor 8085: Architecture and Assembly Language Programming

Syllabus 2020-21

No of Hours: 30

Sr. No.	Topics	No. of Hours
Module1	Introduction: Introduction of Microcomputer System, History of Microprocessor, Application of Microprocessor	5
Module2	Architecture of 8-bit Microprocessor: Intel 8085A Microprocessor, Pin description and internal architecture of 8085 microprocessor.	6
Module3	Instruction Set: Addressing modes; Data transfer, arithmetic, logical, branch, stack and machine control groups of instruction set	7
Module4	Assembly Language Programming: Flowchart, simple examples of program, addition, subtraction, multiplication and division of two 8-bit hexadecimal numbers, smallest and largest number program	12

References:

1. Gaonkar R.S., "Microprocessor Architecture, Programming and Applications", 5th Ed., Penram International, 2007.