

**UNIT - I****Chapter 1 : Basics of Microprocessor and 8051
Microcontroller 1-1 to 1-34**

Syllabus : Microprocessor, Microcomputers and Microcontroller (Basic introduction and comparison), Types of buses, addresses, data bus and control buses, Harvard and Von-Neumann architecture, 8051 Microcontroller, architecture, Pin configuration, stack, memory organization, Boolean processor, Power Saving Option-Idle and power down mode Derivatives of 8051 (8951, 8952, 9031, 8751).

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