



# Microprocessor 8085: Architecture, Programming, and Interfacing

*Ajay Wadhwa*

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*Ajay Wadhwa*

## **Microprocessor 8085: Architecture, Programming, and Interfacing** Ajay Wadhwa

This book is designed as a first-level introduction to Microprocessor 8085, covering its architecture, programming, and interfacing aspects. Microprocessor 8085 is the basic processor from which machine language programming can be learnt. The text offers a comprehensive treatment of microprocessor's hardware and software.

### DISTINGUISHING FEATURES

- All the instructions of 8085 processor are explained with the help of examples and diagrams.
- Instructions have been classified into groups and their mnemonic hex codes have been derived.
- Memory maps of different memory sizes have been illustrated with examples.
- Timing diagrams of various instructions have been illustrated with examples.
- A large number of laboratory-tested programming examples and exercises are provided in each chapter.
- At the end of each chapter, numerous questions and problems have been given.
- Problems from previous years' question papers have been separately given in each chapter.
- More than 200 examples and problems have been covered in the entire text.

This book is designed for undergraduate courses in B.Sc. (Hons) Physics and B.Sc. (Hons) Electronics. It will also be useful for the students pursuing B.Tech. degree/diploma in electrical and electronics engineering.

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