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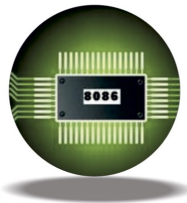
INTRODUCTION TO

# MICROPROCESSORS

## 8085 and 8086

*Architecture, Interfacing and Programming*

Rachhpal Singh  
Ikvinderpal Singh  
Jagbir Singh Virk



## Introduction to Microprocessors 8085 and 8086

**Author :** Ikvinderpal Singh

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## Product Description

Written with the beginner in mind, this book provides an exceptionally clear and precise detail of microprocessors. Its approach is explanatory and language is lucid and communicable. Each and every microprocessor described with the help of internal architecture its pin diagram and interfacing to have clear ideas lucid presentation of instruction set of each microprocessor.



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Chapter 1: 8085 Microprocessors Chapter 2: 8085 Instruction Classification Chapter 3: 8086 Microprocessor Chapter 4: 8086 Instruction Set Chapter 5: Assembly Language Chapter 6: 8237 DMA Controller Chapter 7: 8255 Programmable Peripheral Interface Chapter 8: 8253/8254 Programmable Timer/Counter Chapter 9: 8259 Programmable Interrupt Controller Chapter 10: 8251 USART Chapter 11: RS232C

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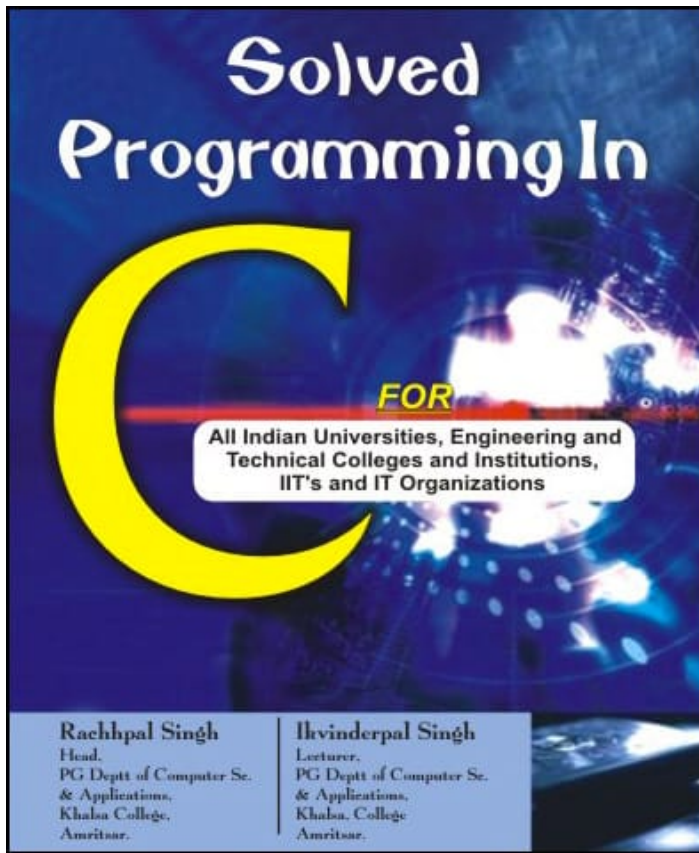
## Author

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**Ikvinderpal Singh** Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming. **Rachhpal Singh** Rachhpal Singh is head of P.G. Dept. Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA from thapar Institute of Engineering and Technology, patiala. He has over fifteen years of teaching experience to teach post graduate classes. He is an international author of the world level and his other areas of interest include software engineering, parallel processing system level programming.

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## Solved Programming in C

**Author :** Ikvinderpal Singh

**ISBN 13 :** 978-93-80016-19-1

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**Publisher :** Khanna Publishing House

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: New

**Country Origin**  
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## Product Description

This book blends concepts with real practical applications. Simple and lucid style trains the reader not only in developing application programs but also familiarizes with system level programming. Contains about 1600 solved simple as well as complex programming problems. Include real life solved examples. Contains program regarding all header files functions used in C programming like stdio.h, math.h etc. All macro functions are covered with suitable programs macro basic, macro constant, macro string etc. Contain all data types programming descriptions. All operations are explaining in the form of simple programs. It covers all function of console I/O and file I/O. Control statements, array, strings, functions, pointers, dynamic memory allocation is described using simple as well as system level programming. Containing graphic programming.



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Chapter 1: Getting Started With C Chapter 2: All Data Types Chapter 3: Operators Chapter 4: Console Input/Output  
Chapter 5: Control Statements Chapter 6: Array Chapter 7: Strings Chapter 8: Functions Chapter 9: Pointers Chapter  
10: Dynamic Memory Allocation Chapter 11: Structure and Union Chapter 12: Files Chapter 13: Macros in C Chapter  
14: Header Files in C Chapter 15: Graphics Programming

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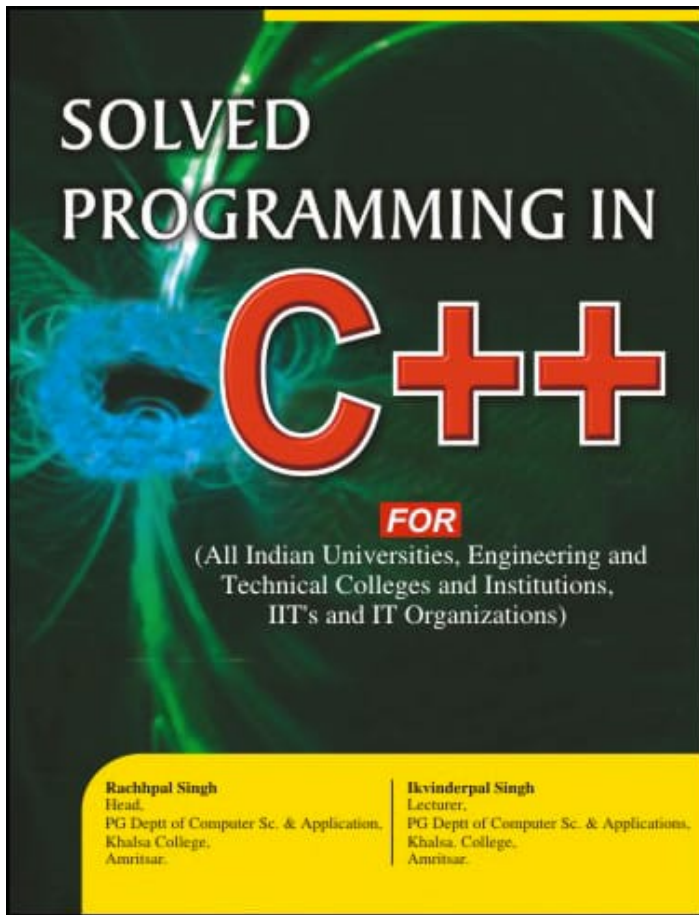
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## Solved Programming in C++

**Author :** Ikvinderpal Singh

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## Product Description

This book blends concepts with real practical applications. Simple and lucid style trains the reader not only in developing application programs but also familiarizes with system level programming. Contains about 2200 solved simple as well as complex programming problems. Include real life solved examples. Contains all data types programming descriptions like int array, bool, binary bit, float read, register variables etc. It covers of all functions of cin and cout, cin manipulator, cout boolalpha, cout custom, cout scientific etc. Include Classes , objectives, constructor and destructor with simple programming examples. Each operator is overloaded using simple programs like overloaded unary binary operator, enum, square bracket, custom inserter etc. Detail study of various types of inheritance and also explain polymorphism concept. Each function file of I/O is described using simple programming, functions like binary file, file pointer, istream, ostream, iostream and file IO exception etc. Explore the functions like inline, static, and friend. Some extra features like templates, exception handling, generic programming described using suitable programming examples. Contains implementations of data structures liked list, stack, queue etc.

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Chapter 1: Introduction to C++ Chapter 2: All Data Types Chapter 3: Development in Cin and Cout Chapter 4: Control Statements Chapter 5: Array Chapter 6: Strings Chapter 7: Functions Chapter 8: Pointers Chapter 9: Structure and Union Chapter 10: Classes and Objects Chapter 11: Constructors and Destructors Chapter 12: Operator Overloading Chapter 13: Inheritance Chapter 14: Polymorphism and Virtual Function Chapter 15: Files Chapter 16: Exploring Functions (Inline Friend Static) Chapter 17: Templates Chapter 18: Exception Handling Chapter 19: Generic Programming Chapter 20: Data Structures Using C++

## Author

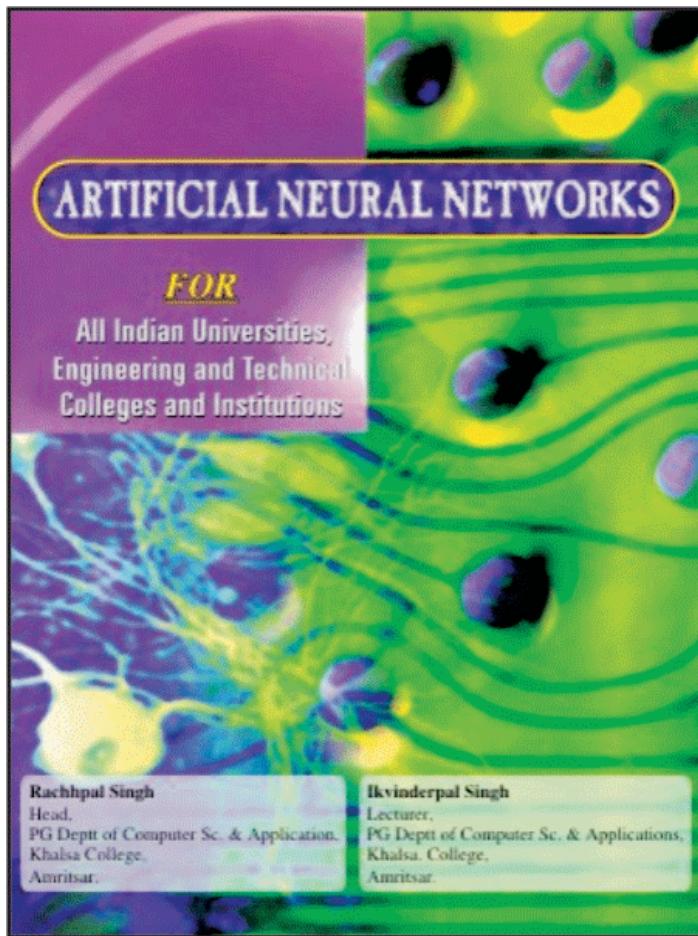
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## Artificial Neural Networks

**Author :** Ikvinderpal Singh

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**Publisher :** Khanna Publishing House

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### Product Description

Written with the beginner in mind, this volume offers an exceptionally clear and thorough introduction to neural network at an elementary level. It provides the clear survey of basic neural network architectures and learning rules. In it, We emphasize mathematical analysis of networks, methods for training network, and application of neural network to practical engineering problems in speech recognition, stock market prediction and pattern recognition.



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Chapter 1: Fundamentals of Neural Networks Chapter 2: Perceptrons Chapter 3: Backpropagation Chapter 4: Adaline and Madaline Chapter 5: Supervised and Unsupervised Learning Chapter 6: Counter-propagation Network Chapter 7: Adaptive Resonance Theory Chapter 8: Neocognitron Chapter 9: Bidirectional Associative Memory Chapter 10: Case Studies

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## Author

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