PREFACE

The objective of this text is to emphasize the fundamentals of Object-Oriented Programming (OOP) as an introductory subject. It is designed for beginners who would like to learn the basics of the C++ programming language. With this focus in mind, we present various OOP fundamentals, well supported with real-world analogies to enable a quick understanding in order to solve specific, practical problems. This book will serve the purpose of a text/reference book and will be of immense help especially to undergraduate or graduate students of various courses in information technology, engineering, computer applications, and information sciences.

Key Features

- *Practical Applications:* Real world analogies as practical applications are given throughout the text to quickly grasp and connect the fundamentals of C++ programming. This approach, in turn, will assist the reader in developing the capability to identify the practical problems that could be efficiently solved through an OOP approach.

- *Programs and Output Snippets:* To better understand the OOP fundamentals at a generic level-followed by their implementation using C++ Programming, detailed implementation codes are discussed to elaborate real world applications along with their output snippets throughout the book. This presentation will assist the readers in easily understanding the subject at conceptual level and their corresponding implementation.

- *Multiple Choice Questions:* To assist students for placement-oriented exams in various IT fields, several exercises are suitably chosen and are given in an MCQ format.