Object Oriented Programming

using

Rajani Adam

OBJECT ORIENTED PROGRAMMING USING C++

Rajani Adam
Academic Research Associate,
Kripa Drishti Publications, Pune.

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PREFACE

The primary goal of the C++ programming language's introduction was to give the C language object-oriented capabilities. OOPs are advantageous to both designers and users in a number of ways. They are also crucial in a number of fields, such as user interface design, modelling, simulation, and so forth.

Object-Oriented Programming using CPP aims to implement real-world entities like inheritance, hiding, polymorphism, etc. in programming. The main aim of OOP is to bind together the data and the functions that operate on them so that no other part of the code can access this data except that function. It is described as per Pune and Solapur University for Engineering, Diploma, BCA/MCA and Computer Science background students.

Course Objectives:

- To explore the principles of Object-Oriented Programming (OOP).
- To understand object-oriented concepts such as data abstraction, encapsulation, inheritance, dynamic binding, and polymorphism.
- To use the object-oriented paradigm in program design.
- To lay a foundation for advanced programming.
- Provide programming insight using OOP constructs.

Course Outcomes: On completion of the course, student will be able to–

- Analyze the strengths of object-oriented programming
- Design and apply OOP principles for effective programming
- Develop programming application using object-oriented programming language C++
- Percept the utility and applicability of OOP

Dedicated

To

“Srividya Learning Institute Students”

Solapur.

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ABOUT THE AUTHOR

Mrs. Rajani Adam

She Received the MCA from Tilak Maharashtra University, Pune in 2010. She has worked as a lecturer at A. R. Burla College, Solapur with the experience of 7 years. She is Currently working as a Publisher of Kripa Drishti Publications, Pune. Research Contribution: Her aim is to help esteemed University/College/Institute and organization to serve the Academic Professional Development Service to students, research scholars, Faculties, and staff. Published National/International Books, Edited Books, Reference Books, Textbooks. Running Online research courses (Research Methodology) for PhD. Scholars with Moodle platform. Organizing and publishing Conferences/Seminars proceedings PhD. guidance and API guidance provided.

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