



## Programming for Problem Solving (Telangana & Andhra Pradesh)

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## Product Description

This book is specially conceived with an aim to serve not only as a textbook to cover the syllabus of public & public universities, rather a intelligent book (i-book) that empowers readers to acquire 21st century problem solving skills and sharp coding skills.

Therefore, keeping in mind the requirements of 21st Century, a special emphasis is laid on the following aspects:

Designed keeping in mind the objectives of OUTCOME BASED EDUCATION.

Simple and lucid language that language that enables even an average reader to grasp the fundamental concepts of the subject.

Illustrative examples (165+ in number) to demonstrate the application of the concepts.

Multiple Choice questions (225+ in number) to provide an opportunity for self-assessment of the fundamental concepts learned.

Short-answer type questions (192+ in number) to provide an opportunity to synthesize the fundamental concepts learned to answer precisely.

Programming exercises (112+ in number) to provide an opportunity to harness their coding skills.

Coding problems (42+ in number) from the IT/IT-enabled industry perspective to conquer the screening phase of the placement process.

Frequently asked questions (43 in number) to conquer the technical round of the CAMPUS PLACEMENT PROCESS with flying colors.

The whole content is designed and organized as per the BLOOM'S TAXONOMY.

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Chapter 0 : Coding/Programming Problems for Campus Placements Chapter 1 : Introduction to Computers Chapter 2 : Program Solving and Program Chapter 3 : Overview of C Language Chapter 4 : Data Types, Variables and Constants Chapter 5 : Operator and Expressions Chapter 6 : Console Input/Output Chapter 7 : Decision Making and Branching Chapter 8 : Decision Making and Looping Chapter 9 : User-Defined Functions Chapter 10 : Arrays and Strings Chapter 11 : User-Defined Data Types: Structure, Union & Enumeration Chapter 12 : Pointers & Dynamic Memory Management Chapter 13 : File Handling Chapter 14 : Preprocessor Directives Chapter 15 : Introduction to Algorithms Appendix A : Answers of MCQs Appendix B : FAQs for Oral Examination Appendix C: Solution of Selected Programming Exercises



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## Author

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**Sunil Tekale** </p>

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