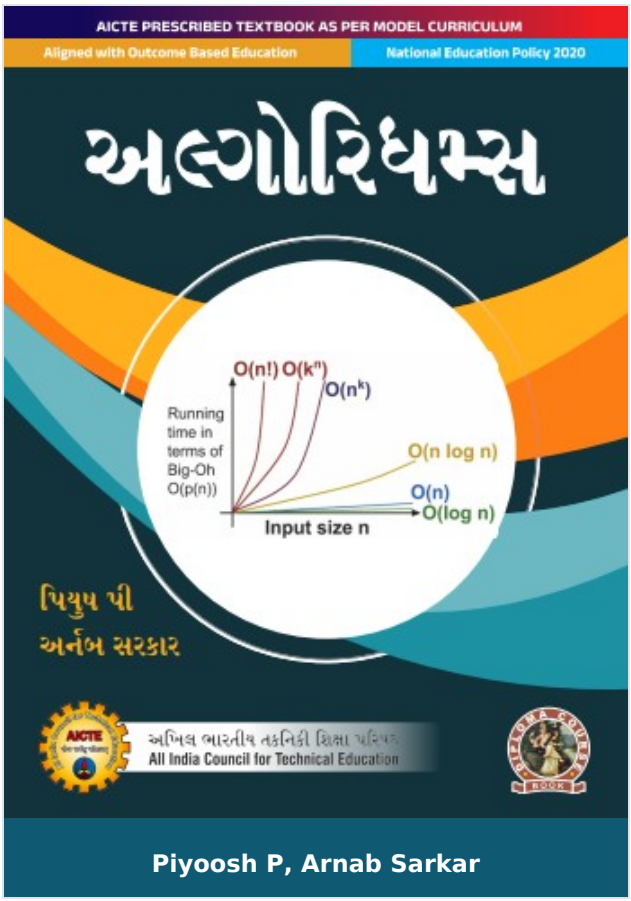



# Algorithms

| | |
|---|---|
| **Author :** | Piyoosh P, Arnab Sarkar |
| **ISBN 13 :** | 978-93-55389-55-8 |
| **ISBN 10 :** | 9355389558 |
| **E-ISBN 13 :** | 978-93-55389-55-8 |
| **Edition :** | First |
| **Pages :** | 324 |
| **Type of book :** | Physical |
| **Year :** | 2026 |
| **Language :** | English |
| **Publisher :** | Khanna Publishing House |
| **M.R.P :** | Rs 498.00 |
| **Categories :** | AICTE Prescribed Textbooks, Gujarati Books, Book Store |
| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

Algorithms

**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

## Author

**Piyoosh P**

Dr. Piyoosh P Assistant Professor, Department of Computer Science and Engineering Dr.

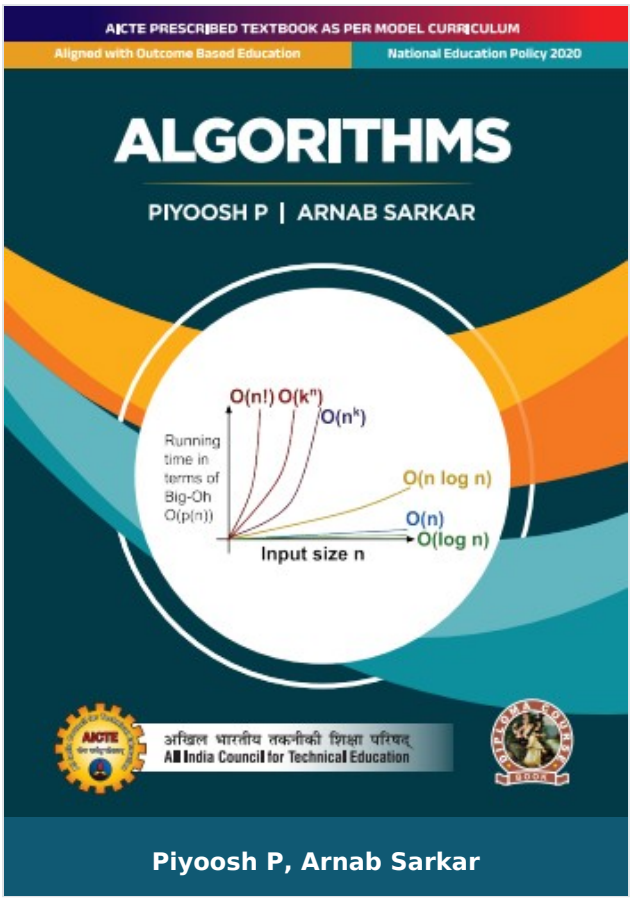
**Arnab Sarkar**

Dr. Arnab Sarkar Associate Professor, Advanced Technology Development Centre (ATDC)

**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320




# Algorithms

| | |
|---|---|
| **Author :** | Piyoosh P, Arnab Sarkar |
| **ISBN 13 :** | 978-93-55384-54-6 |
| **ISBN 10 :** | 9355384548 |
| **E-ISBN 13 :** | 978-93-55384-54-6 |
| **Edition :** | First |
| **Pages :** | 156 |
| **Type of book :** | Physical |
| **Year :** | 2026 |
| **Language :** | English |
| **Publisher :** | Khanna Publishing House |
| **M.R.P :** | Rs 298.00 |
| **Categories :** | AICTE Prescribed Textbooks, English Books, Book Store |
| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

### Algorithms

This book presents data structures and algorithms whose knowledge is indispensable to effective computer programming. Design of algorithms strategies for different types of applications as well as techniques for analyzing them have been introduced, so that the students gain an understanding of mechanisms for constructing correct and efficient software programs. The main content of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education as per National Education Policy (NEP) 2020.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a ‘know more’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every unit.

**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

## Table Of Contents


- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Fundamentals
- Sorting
- Searching
- Graphs
- Strings
- References For Further Learnings
- Co And Po Attainment Table
- Index


## Author


**Piyoosh P**

Dr. Piyoosh P Assistant Professor, Department of Computer Science and Engineering Dr.

**Arnab Sarkar**



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Dr. Arnab Sarkar Associate Professor, Advanced Technology Development Centre (ATDC)

**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320