AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education | National Education Policy 2020

ALGORITHMS

PIYOOSH P | ARNAB SARKAR

O(n!) O(k^n)

O(n^k)

Running time in terms of Big-Oh O(p(n))

O(n log n)

O(n)

O(log n)

Input size n

अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education

Algorithms

Author :	Arnab Sarkar
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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.

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