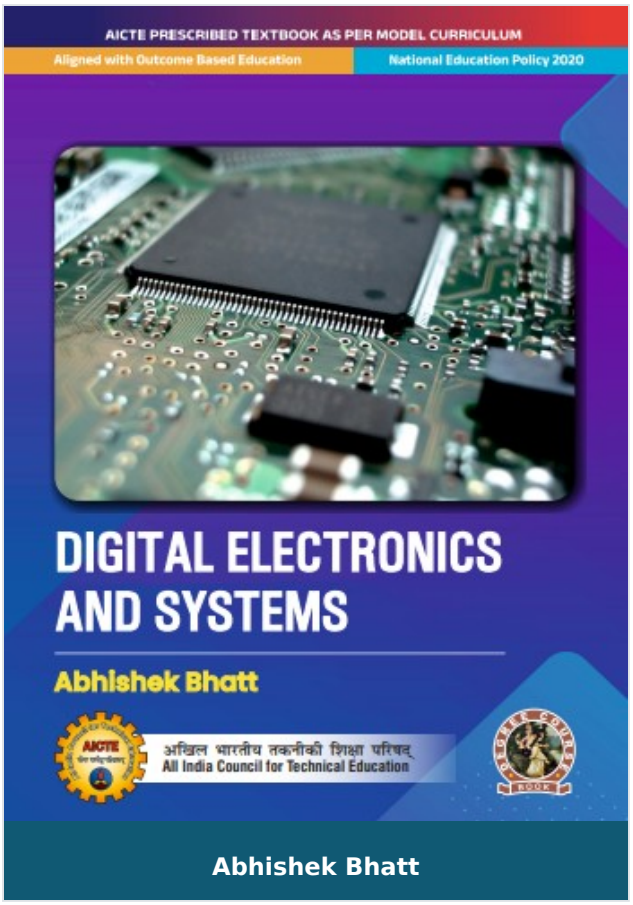

Digital Electronics and System

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Product Description

Digital Electronics and System

Brief Write-up regarding the book This book will embark on a journey that will take every reader through the intricacies of digital logic, circuit analysis, and design while exploring the building blocks of digital systems, including logic gates, flip-flops, registers, and counters. The book is intended to help and guide the students and researchers to delve into the world of combinatorial and sequential logic, understanding how to analyses, design, and optimize digital circuits. It provides insights to the subject matter aligned with the latest model curriculum of the AICTE, followed by the concept of outcome-based education as per the New Education Policy (NEP)-2020.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit 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 chapter.

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- Solved and unsolved problems including numerical examples are solved with systematic steps.

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Author

Abhishek Bhatt

Dr. Abhishek Bhatt Professor School of Data Science, Symbiosis Skills and Professional University

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