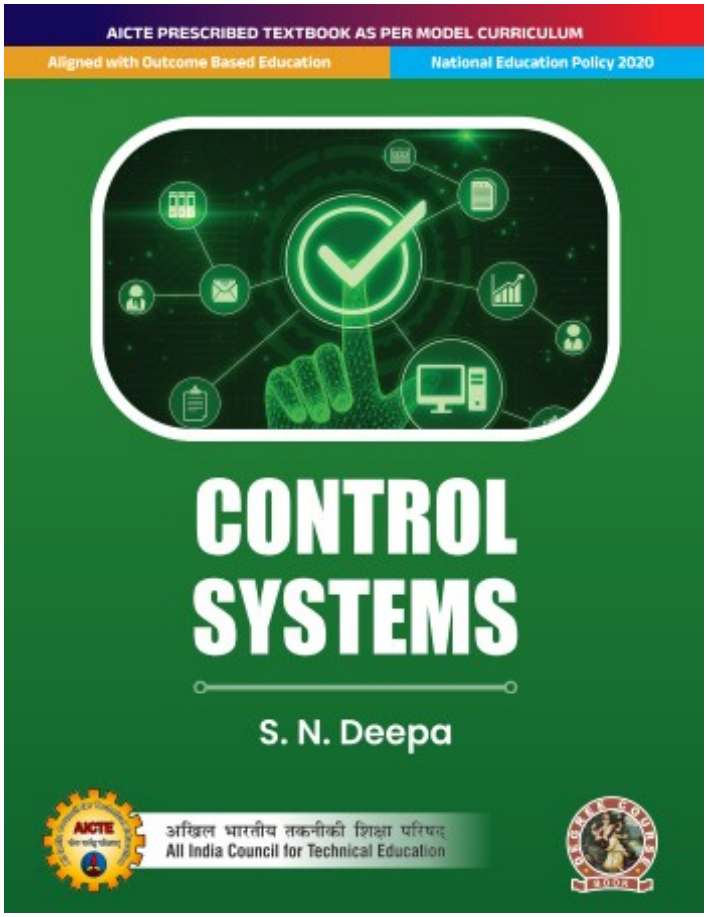

Control Systems

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Product Description

CONTROL SYSTEMS CONTROL SYSTEMS is a field that empowers Engineers with Precision and Feedback Intelligence. This textbook offers an in-depth, student-friendly introduction to Control Systems, meticulously designed for fifth-semester undergraduate students of core engineering branches. Drawing from the AICTE's revised model curriculum, the book presents a balanced fusion of theory and practice. Whether you are just beginning your journey into control engineering or preparing for advanced applications in industry and research, this book provides a structured, clear, and application-oriented learning experience. With a strong emphasis on feedback systems, time and frequency domain analyses, and modern state-space methods, it equips students with the analytical approaches needed to design and evaluate control systems in real-world scenarios. Salient Features:

- The content of the book is aligned with the mapping of Course Outcomes, Program Outcomes and Unit Outcomes.
- At the beginning of each unit, Unit Outcomes and Unit Specifics are introduced to make the student understand what is expected out of him/her after the completion of the unit.
- Student and teacher-centric course materials are included in the book in a balanced and chronological manner.
- Lots of recent information, interesting facts and quotes, inventors and contributors, historical perspective of the concepts and analogies, QR codes for e-resources are provided in the "Know More" section of the book.
- "Know More" section included in the book extends the learning beyond the syllabus of the course.
- Figures, tables and necessary diagrams are included to improve the clarity of the topics in the course.
- An overall view of the unit can be attained by the "Unit Summary" provided at the end of each unit.
- Exercise questions which include - multiple-choice questions, short and long answer type questions are included in each unit for practice of the students and to get well-versed on the topics.
- Several numerical examples are included in the book which are solved in a systematic manner and unsolved problems are provided for the students to practice.

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