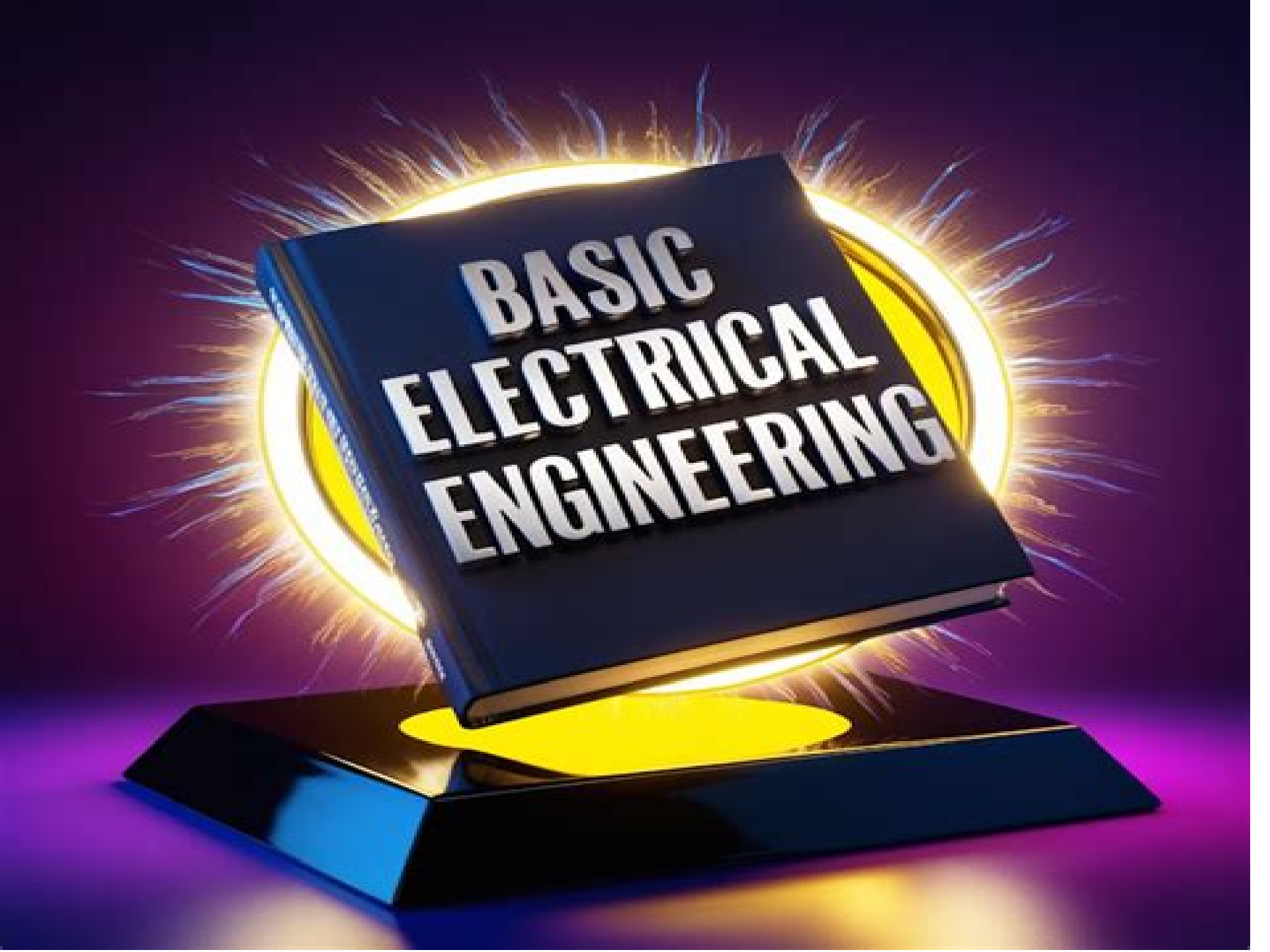


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Basic Electrical Engineering K. N. Srinivas, 2013-12-30. The aim of this book is to provide a consolidated text for the first year B.E. Computer Science and Engineering students and B.Tech. Information Technology students of Anna University. The syllabus has been thoroughly revised for the non-semester yearly pattern by the University. The book made up of five chapters systematically covers the five units of the syllabus. It begins with a detailed discussion on the fundamentals of electric circuits: DC circuits, AC circuits, 3 phase circuits, resonance and the network theorems. Lecture type presentation of the rudiments of the fundamentals in conjunction with hundreds of solved examples is the strength of this book. Magnetic circuits and various magnetic elements and their properties with number of illustrations are presented. DC machines and transformers are further dealt with. Equivalent circuits of machines supported with the respective photographs will ease the reader to understand the concepts of machines much better. Synchronous machines and asynchronous machines and fundamentals of control systems with various practical examples and relevant worked illustrations conclude this book. A large number of numerical illustrations and diagrammatic representations make this book valuable for students and teachers.

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