

Mathematics-I (Calculus and Linear Algebra) for Non Computer Science Engineering Branches

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Product Description

Calculus and Linear Algebra covers all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book and /or useful reference work. It contains 5 units which include calculus, algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Professional or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

1. In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

2. Emphasis on the applications of concepts and theorems.

3. Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.

4. A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student's practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the student's capability, to increase the feeling of team work

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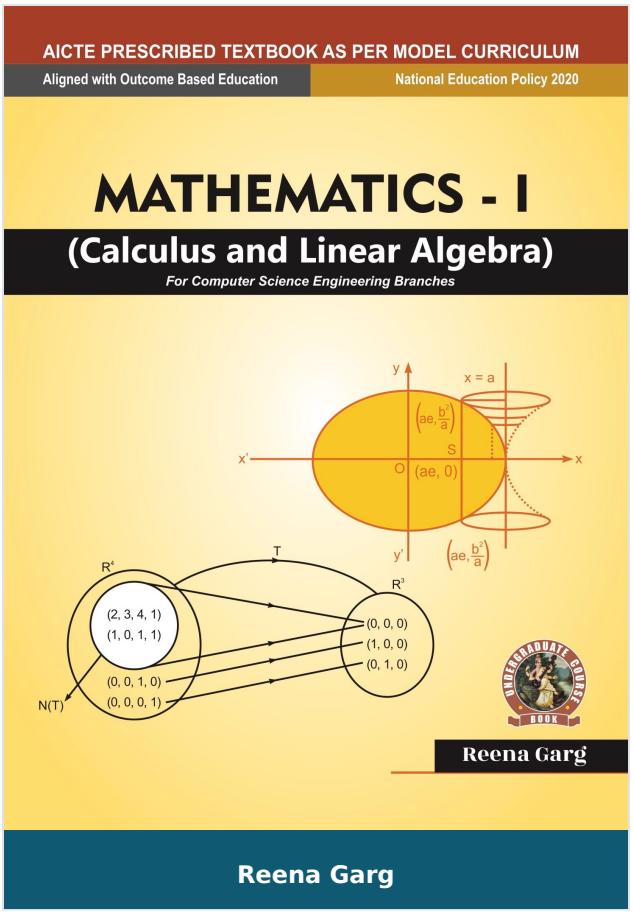

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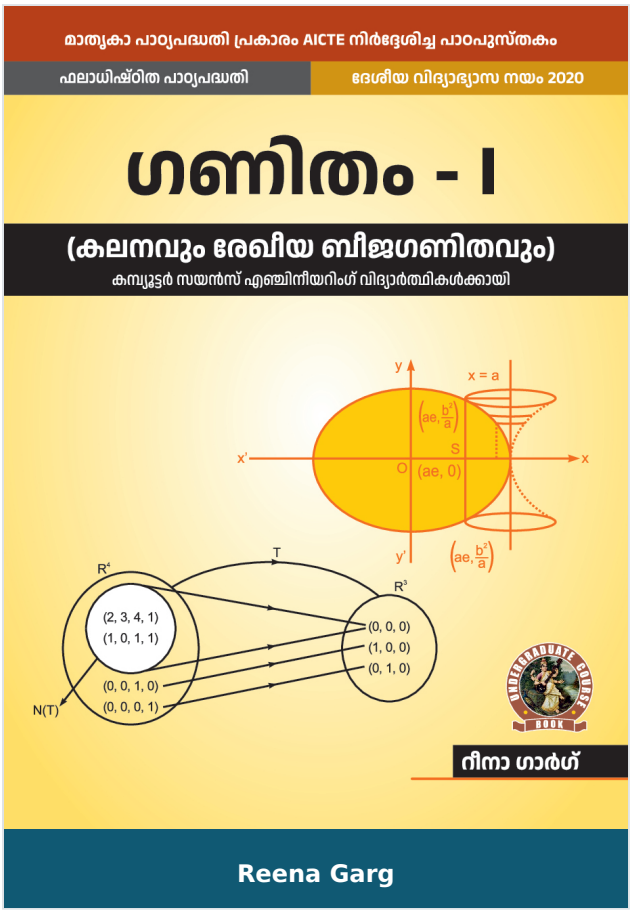

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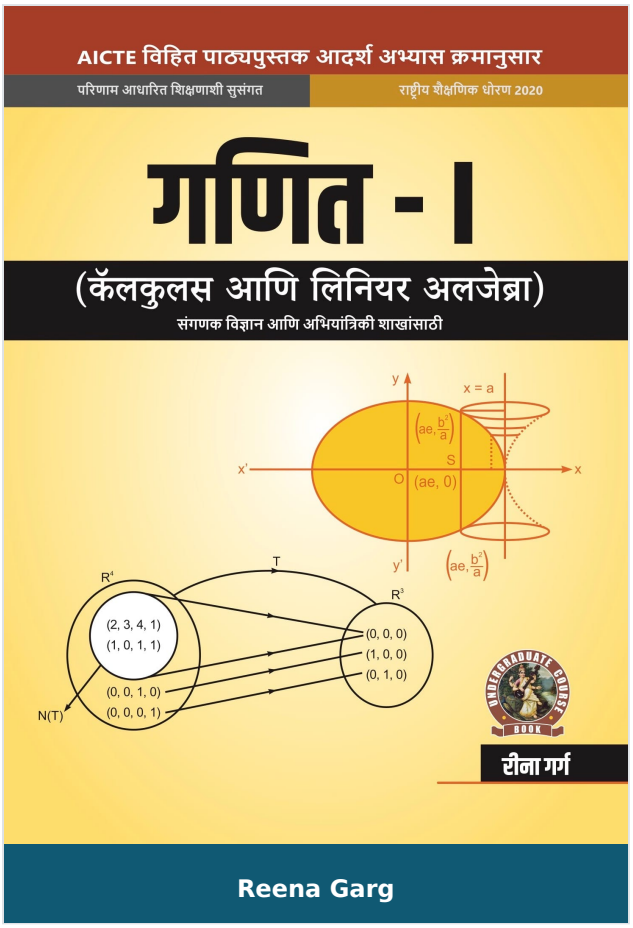

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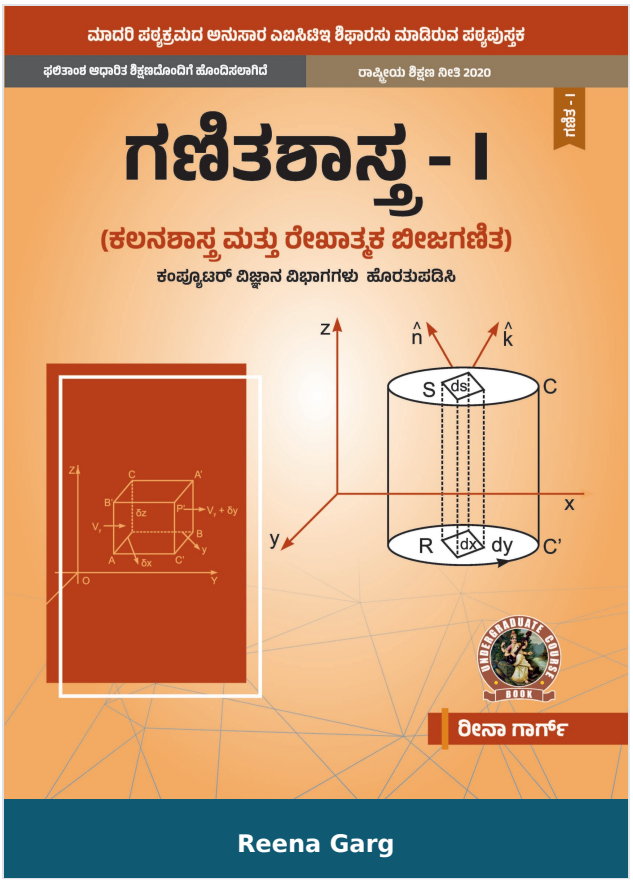

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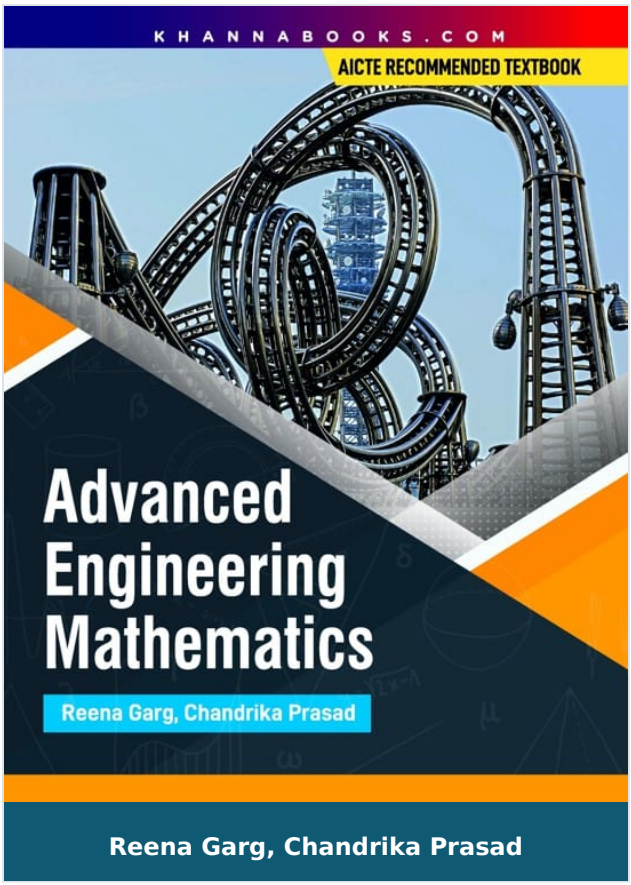

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This book provides a comprehensive, thorough and up to date treatment of mathematics in engineering and sciences. This is intended to introduce students of engineering, physics, mathematics, computer sciences and other related fields to those areas of applied mathematics that are most relevant for solving practical problems. Practice is the key word in the learning process of mathematics . The aim of this book is to provide a vast knowledge of mathematics and its diverse practical use in daily lives. The course contents in this book are the sole pre-requisites. The experience of the author of more than a decade in teaching at under graduate, post graduate level and in the research areas of mathematics in University makes this book useful.

In this book all the topics and related concepts have been given in a lucid and simple way filling every gap between students and mathematics. A lot of worked examples are given so as to help the readers understand better.

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- Laplace Transforms and ITS Application
- Fourier Transform and ITS Application
- Empirical Laws and Curve Fitting.
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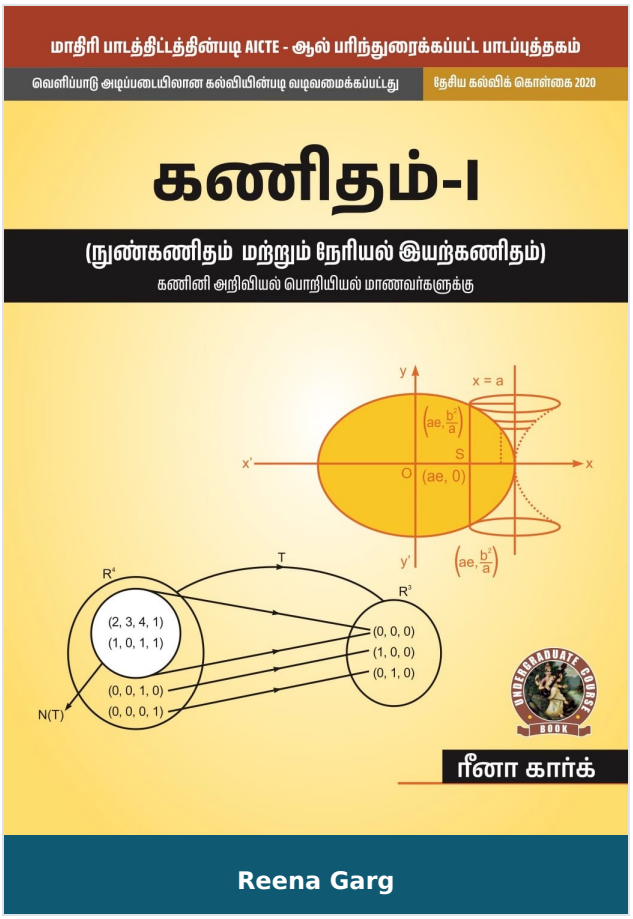

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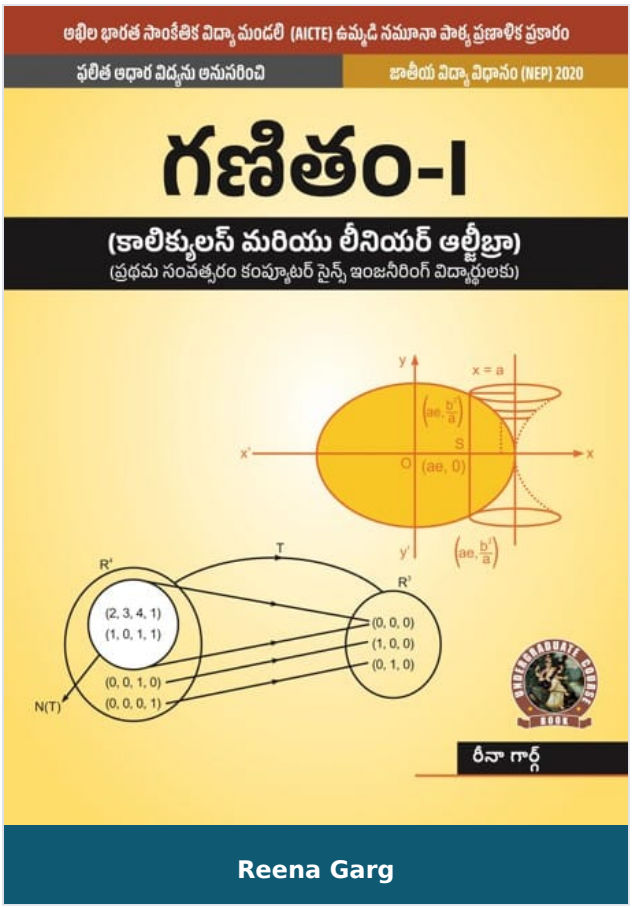

Mathematics-I (Calculus and Linear Algebra) for Computer Science Engineering Branches

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Product Description

Calculus and linear algebra covers all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions universities of the country. It serves as both text book and /or useful reference work. It contains 5 units which include calculus, algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject. Professional of those who are preparing of competitive examinations will also find this book very useful. This book give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

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3. Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.

4. A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student’s practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the student’s capability, to increase the feeling of team work

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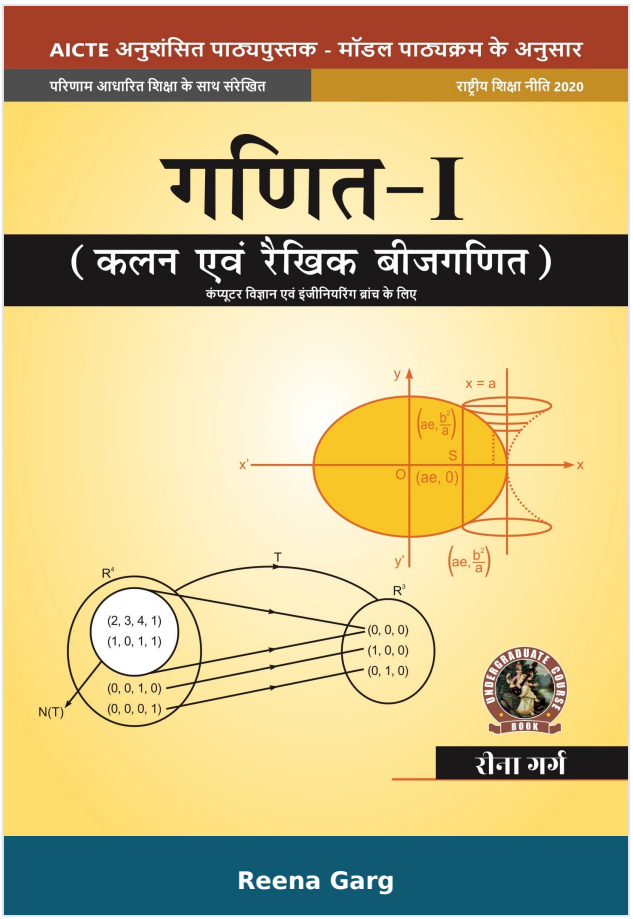

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