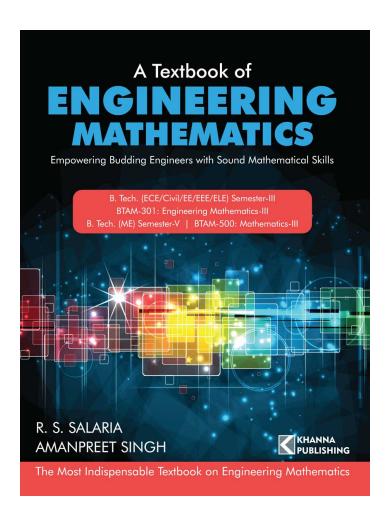
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# A Textbook of Engineering Mathematics-III (ECE/Civil/EE/EEE/ELE)

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# **Product Description**

The Subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (B.E./B.Tech) program of all Indian Universities, and is taught in firs and/or second semester(s). The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the fronts. The book in your hand is another step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics. We hope to see that day when we hear from our students that Mathematics is wonderful subject and your all are relishing it. This book is designed to serve as a textbook for the students of B.Tech. (ECE/Civil/EE/EEE/ELE)Semester-III and B.Tech.(ME)

Semester-V of Punjab Technical University, Jalandhar While writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built bad=sic and conceptual knowledge in the subject.

### **Table of Contents**

### **Useful Formulae, Theorems and Results**

**Chapter 1:** Fourier Series.

**Chapter 2:** Laplace Transformations.

**Chapter 3:** Special Functions.

**Chapter 4:** Partial Differential Equations.

**Chapter 5:** Applications of Partial Differential Equations.

**Chapter 6:** Functions of Complex Variables.



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