

Preface

It is a widely accepted notion that Mathematics is the foundation for all the disciplines of Engineering and Technology. Conceptual strength in Mathematics is crucial in understanding the basics of engineering. It is observed that the majority of textbooks available in the market lack clarity in explanation of the concepts and their applications and are confined to mere discussion of a little theory and problems. **Advanced Engineering Mathematics by Kreyszig** is the best-known prescribed textbook in almost all the universities in India and abroad. An attempt is made to fine-tune the components of this book, keeping in view the requirements of the undergraduate curriculum of JNTU.

This book is a modest effort to enhance the conceptual understanding of the learners and to improve the application capability in their respective branches of Engineering and Technology. This user-friendly textbook consists of relevant illustrations, concepts and additional information. It is also helpful for the teachers and researchers to develop qualitative mathematical ability. In tune with the needs of the students, adequate care has been taken to incorporate all the necessary topics. I sincerely hope that the student community and teaching fraternity would get the maximum benefit from this endeavor.

Comments and criticism are welcome from academicians and students for enrichment of the book in subsequent editions.

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