

# **Fundamentals of Mechanical Sciences: Engineering Thermodynamics**

Sanchayan Paul, Akshoy Ranjan Mukherjee



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The book is primarily intended for the first-year undergraduate students of all branches of engineering as per the course curriculum of the West Bengal University of Technology (WBUT). It is a comprehensive textbook on fundamental concepts of thermodynamics and fluid mechanics. It gives a detailed description of the theory along with the systematic applications of laws of thermodynamics and fluid mechanics to engineering problems. The text is amply illustrated with worked-out examples, tables and diagrams to enable the students to comprehend the subject with ease. It is designed to take students from an elementary level to a level of sound understanding required for the analysis of practical problems.

#### **KEY FEATURES**

- Deals with basic principles in a clear and easy-tounderstand style.
- Provides plenty of solved problems in each chapter.
- Unsolved problems with hints and answers are included at the end of each chapter, to develop students' problem-solving skills.
- Multiple choice questions with answers are provided to help students assess their comprehension of the subject.
- To make the students familiar with the examination pattern, previous years' WBUT Examination Question Papers are given along with the solutions.



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