

AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education

National Education Policy 2020



ఉష్ణగతిక శాస్త్రం యొక్క
ప్రాథమికాంశాలు

పర్యోద్ కుమార్ | అతుల్ ధార్



అఖిల భారత సాంకేతిక విద్యా మండలి
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Basics of Thermodynamics

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Product Description

Basics of Thermodynamics This book titled Basics of Thermodynamics introduces the subject from the theoretical concepts to its applications in different energy conversion devices. The content of the book is designed as per the model curriculum of AICTE and mandates of the National Education Policy (NEP) 2020. The content of the book is described in a manner that beginners can follow the concepts in comfortable and cohesive manner. The content of the book is developed for entry level undergraduate students; however, it can be used by practicing engineers and graduate students for the comprehensive learning of the subject. **Salient Features:**

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.



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- Energy and the First Law of Thermodynamics
- Properties of Pure Substance
- Energy Analysis for Control Volumes
- Second Law of Thermodynamics
- Entropy
- Exergy
- Basic Power and Refrigeration Cycles

Appendices CO and PO Attainment Table Index

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ડૉ. પ્રમોદ કુમાર | ડૉ. અનુલ ઘર



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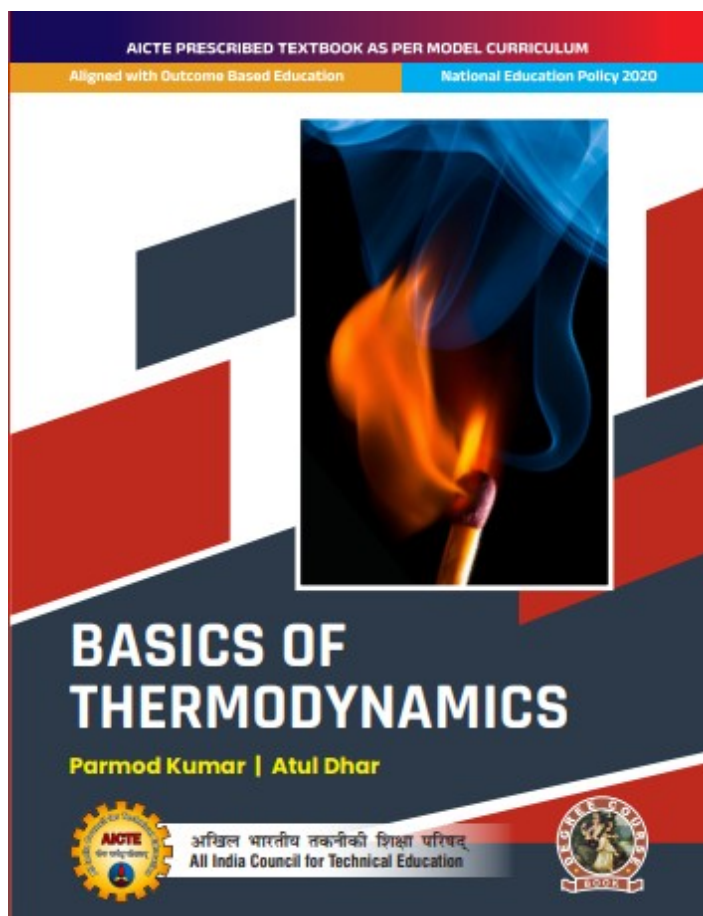
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