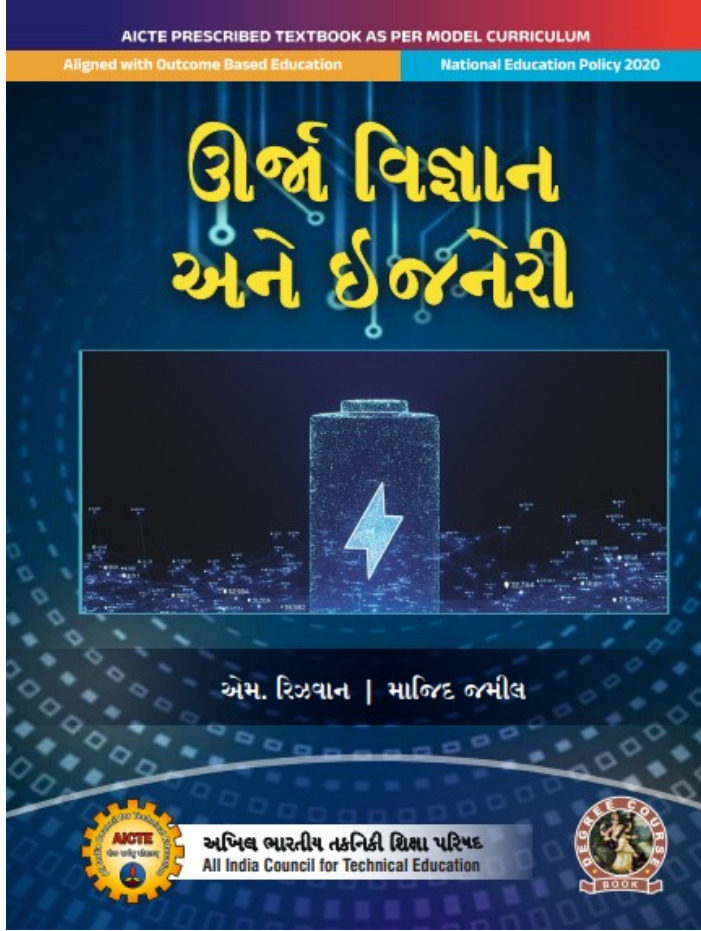


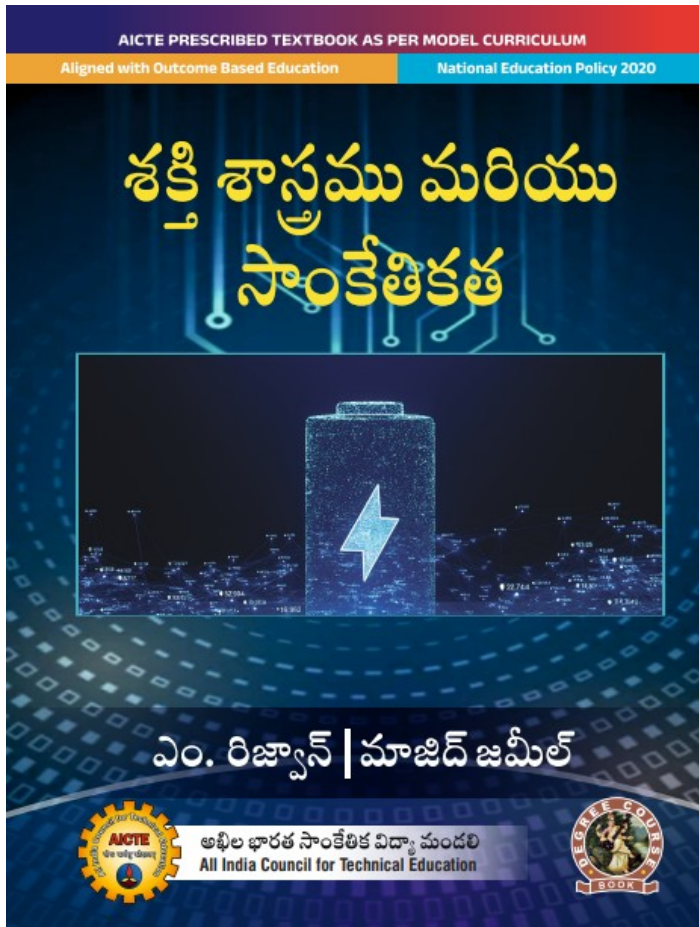


Energy Science and Engineering

Author :	M. Rizwan
ISBN 13 :	978-93-55388-38-4
ISBN 10 :	93-55388-38-1
E-ISBN 13 :	978-93-55388-38-4
Edition :	First
Pages :	196
Type of book :	Paperback
Year :	2026
Language :	Gujarati
Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books
Condition Type :	New
Country Origin :	India

Product Description

Energy Science and Engineering

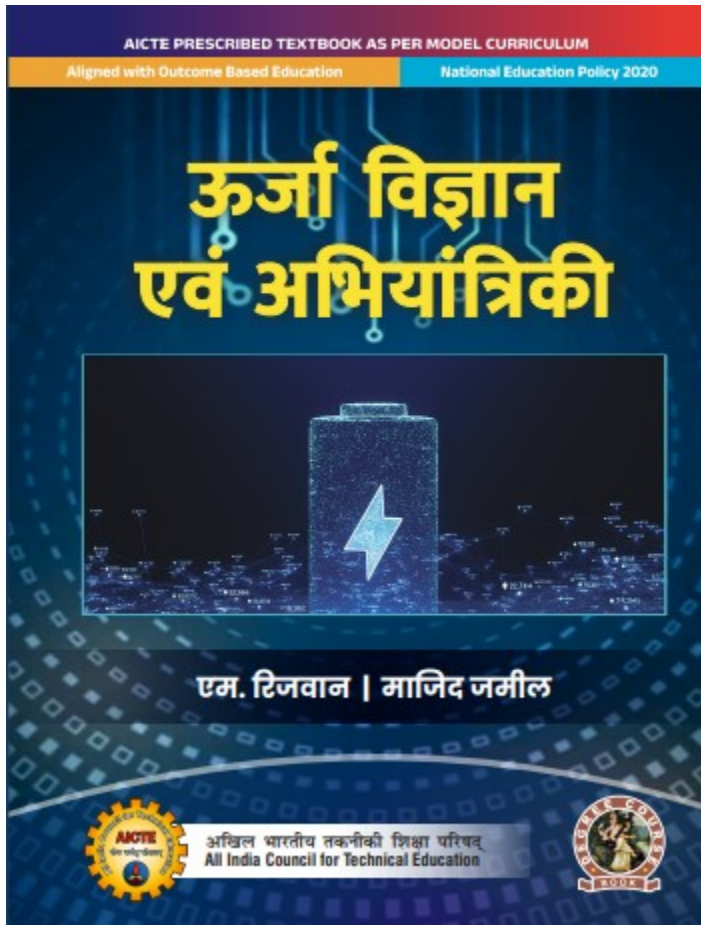


Energy Science and Engineering

Author :	M. Rizwan
ISBN 13 :	978-93-55385-50-5
ISBN 10 :	93-55385-50-1
E-ISBN 13 :	978-93-55385-50-5
Edition :	First
Pages :	212
Type of book :	Paperback
Year :	2026
Language :	Telugu
Publisher :	Khanna Publishing House
M.R.P :	Rs 348.00
Categories :	AICTE Prescribed Textbooks, Telugu Books
Condition Type :	New
Country Origin :	India

Product Description

Energy Science and Engineering

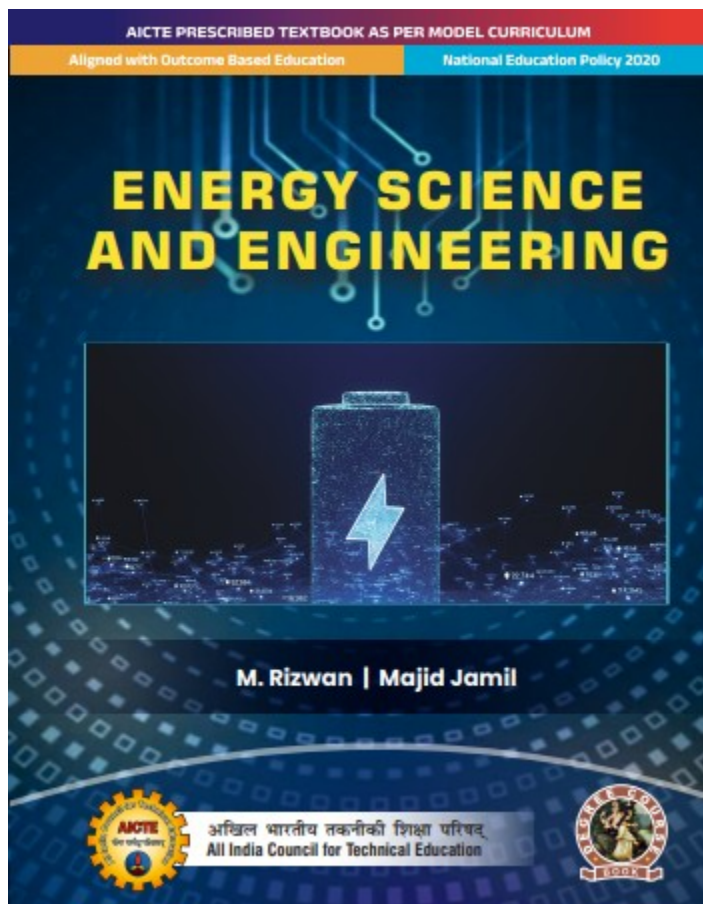


Energy Science and Engineering

Author :	M. Rizwan
ISBN 13 :	978-93-55384-83-6
ISBN 10 :	93-55384-83-1
E-ISBN 13 :	978-93-55384-83-6
Edition :	First
Pages :	152
Type of book :	Paperback
Year :	2026
Language :	Hindi
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	AICTE Prescribed Textbooks, Hindi Books
Condition Type :	New
Country Origin :	India

Product Description

Energy Science and Engineering



Energy Science and Engineering

Author :	M. Rizwan
ISBN 13 :	978-93-55385-14-7
ISBN 10 :	93-55385-14-5
E-ISBN 13 :	978-93-55385-14-7
Edition :	First
Pages :	180
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 348.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Energy Science and Engineering This book has been designed for second-year students of undergraduate students in the engineering program. It will prove to be a valuable source for practicing engineers and faculty members. The book is divided into seven units and provides all the necessary information on an introduction to energy systems and renewable energy resources, with a scientific examination of the energy field with an emphasis on alternative energy sources, their technology and applications. This book will provide an opportunity to explore society's present energy needs and future energy demands, examine conventional energy sources and systems including fossil fuels and nuclear energy. More focus of this book is on renewable energy sources, sustainability, and the environment. Clean energy technologies and their importance in sustainable development, carbon footprint, energy and environment, trade and research policy, future energy use that can be influenced by the economics, linkage between economic and environmental outcomes are discussed by including the latest available statistical data. This book also covers topics on civil project development for creating energy infrastructure. Concepts of green building and green architecture, energy auditing and energy enterprises with some practical examples are presented in easy language to understand the fundamental concepts. It is important to note that in all the units, dynamic QR codes are provided to collect additional knowledge on the specific topic. 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



Table of Contents

Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines For Teachers Guidelines For Students Abbreviations and symbols List Of Figures List of Tables

- Introduction to Energy Science
- Energy Sources
- Energy and Environment
- Civil Engineering Projects Connected with Energy Sources
- Building Structure for Nuclear Power Plants
- Engineering for Energy Conservation (Green Building and Green Architecture)
- Engineering for Energy Conservation (Energy Auditing, Efficiency & Energy Conservation)

Unit Summary Short and Long Answer Type Questions References and Suggested Readings

Author

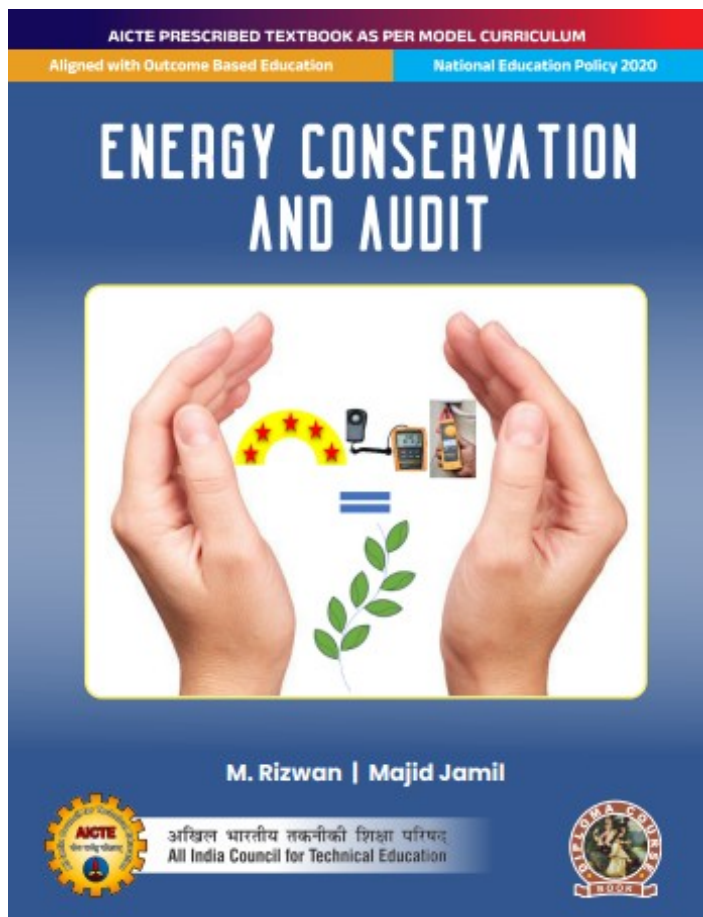
M. Rizwan Professor Department of Electrical Engineering, Delhi Technological University, Delhi



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Energy Conservation and Audit

Author :	M. Rizwan
ISBN 13 :	978-93-55384-86-7
ISBN 10 :	93-55384-86-6
E-ISBN 13 :	978-93-55384-86-7
Edition :	First
Pages :	196
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 358.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Energy Conservation and Audit This book explains the concept of energy conservation and audit in simple language and students' friendly manner. The book is designed to cater the needs of diploma Engineering students seeking a hand on approach in the area of energy conservation, energy audit and energy management. The book comprises of five units that includes energy conservation basics, energy conservation in electrical machines, energy conservation in electrical installation systems, energy conservation through co-generation and tariff and energy audit of electricals system. Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units 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.

Table of Contents

Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines for Teachers Guidelines for Students Abbreviations and Symbols List of Figures List of Figures

- Energy conservation Basics
- Energy conservation in Electrical Machines
- Energy conservation in Electrical installation systems
- Energy conservation through co-generation and tariff
- Energy Audit of electrical system

Appendix CO and PO Attainment table Index

Author

Dr. M. Rizwan Professor Department of Electrical Engineering, Delhi Technological University, Delhi, INDIA **Dr.**

Majid Jamil Professor Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, INDIA



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + 91-99109 09320