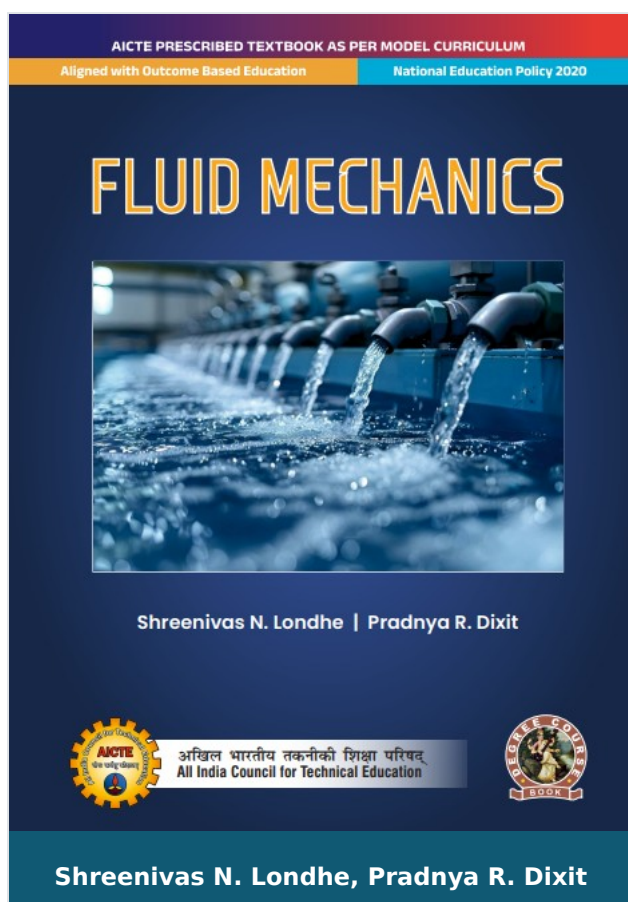




## Fluid Mechanics

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Shreenivas N. Londhe, Pradnya R. Dixit                                                   |
| <b>ISBN 13 :</b>        | 978-93-55388-11-7                                                                        |
| <b>ISBN 10 :</b>        | 935538811X                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-55388-11-7                                                                        |
| <b>Edition :</b>        | First                                                                                    |
| <b>Pages :</b>          | 356                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                 |
| <b>Year :</b>           | 2026                                                                                     |
| <b>Language :</b>       | English                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                  |
| <b>M.R.P :</b>          | Rs 598.00                                                                                |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">English Books, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                      |
| <b>Country Origin :</b> | India                                                                                    |

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## Product Description

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### Fluid Mechanics

This book familiarizes the students to different domains of fluid Mechanics. This book includes fundamentals of fluid mechanics in total of six units as properties of fluids, fluid statics, buoyancy and flotation, fluid kinematics, fluid dynamics and dimensional analysis. Main purpose of this book is to help under graduate civil engineering students to understand and apply the basics of fluid mechanics to applications in engineering problems. The content of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per National Education Policy (NEP)2020.

### 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.

## Table Of Contents

---

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
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- Guidelines For Students
- List Of Figures
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- Fluids statics
- Buoyancy and flotation
- Fluid kinematics
- Fluid dynamics
- Dimensional analysis
- References and Suggested Readings
- CO-PO Attainment Table
- Index

## Author

---

### **Shreenivas N. Londhe**

Dr. Shreenivas N. Londhe Professor, Department of Civil Engineering Vishwakarma Institute of Information Technology, Pune Dr.

### **Pradnya R. Dixit**



Dr. Pradnya R. Dixit Associate Professor, Department of Civil Engineering Vishwakarma  
Institute of Information Technology, Pune



## Mathematics - II

**Author :** Garima Singh

**ISBN 13 :** 978-93-55381-71-2

**ISBN 10 :** 9355381719

**E-ISBN 13 :** 978-93-55381-71-2

**Edition :** 1

**Pages :** 204

**Type of book :** Physical

**Year :** 2025

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 295.00

**Categories :** [AICTE Prescribed Textbooks, Book Store, Ebooks, Malayalam Books](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

---

“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it's applications. Co-ordinate Geometry and it's applications, vectors and it's applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.
2. Objective questions and subjective questions are given for practice of students after every unit.
3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and uni Outcomes.
4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.
5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

6. Student and teacher centric subject materials are included in the book in a balanced manner.
7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

## Table Of Contents

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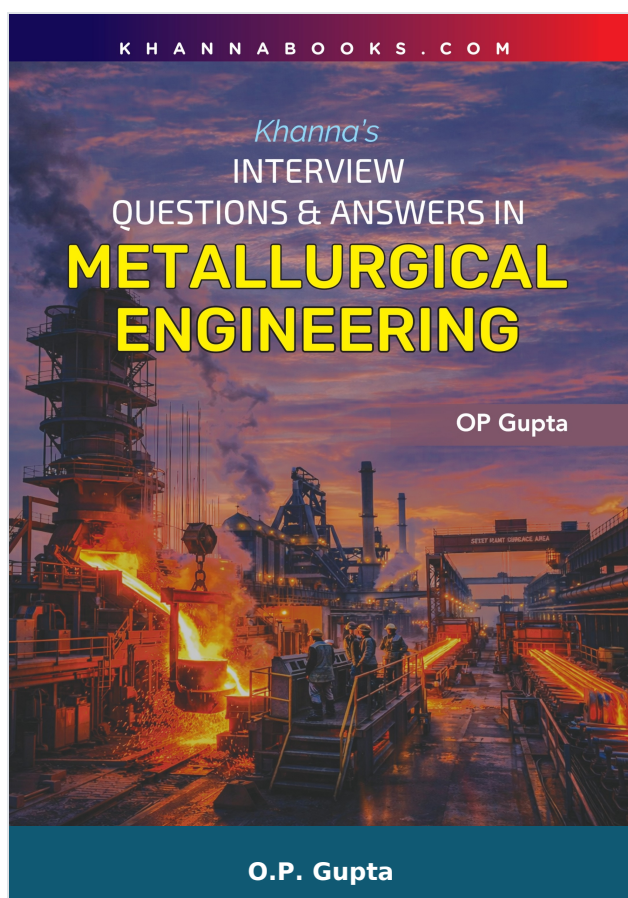
- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students
- Determinants and Matrices
- Integral Calculus.
- Co-ordinate Geometry.
- Vector Algebra.
- Differential Equations.
- Appendices & Annexures.

## Author

---

**Garima Singh**

Garima Singh



## Khanna's Interview Questions & Answers in Metallurgical Engineering

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| <b>Author :</b>         | O.P. Gupta                                                                                |
| <b>ISBN 13 :</b>        | 978-93-77087-40-1                                                                         |
| <b>ISBN 10 :</b>        | 9377087406                                                                                |
| <b>E-ISBN 13 :</b>      | 978-93-77087-40-1                                                                         |
| <b>Edition :</b>        | First                                                                                     |
| <b>Pages :</b>          | 220                                                                                       |
| <b>Type of book :</b>   | Physical                                                                                  |
| <b>Year :</b>           | 2026                                                                                      |
| <b>Language :</b>       | English                                                                                   |
| <b>Publisher :</b>      | Khanna Publishing House                                                                   |
| <b>M.R.P :</b>          | Rs 398.00                                                                                 |
| <b>Categories :</b>     | <a href="#">OBJECTIVE TYPE BOOKS, New Arrivals, Metallurgical Engineering, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                       |
| <b>Country Origin :</b> | India                                                                                     |

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

## Product Description

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Interview Questions and Answers in Metallurgical Engineering is a definitive preparatory guide designed to bridge the gap between academic theory and professional practice. Authored by Om Prakash Gupta, an experienced industry veteran, the book serves as a comprehensive resource for students and engineers facing the rigors of technical interviews and competitive examinations. Its core theme centers on the practical application of metallurgical principles across a vast spectrum of materials and processes, ranging from foundational material science to advanced nanomaterials and smart technologies.

The primary purpose of this volume is to equip candidates with the precise, high-impact knowledge required by major public and private sector recruiters, such as SAIL, TATA Steel, and DRDO. By presenting information in a clear question-and-answer format, it demystifies complex topics like phase diagrams, heat treatments, and powder metallurgy, making them accessible for quick revision and deep understanding. Whether you are a diploma student, a postgraduate researcher, or a professional seeking a career transition, this book provides the practical value and academic rigor necessary to excel in the metallurgical engineering landscape.

### Salient Features

- **Comprehensive Coverage:** Includes 35 specialized chapters ranging from foundational metallic structures to advanced nanomaterials and polymers.
- **Industry Alignment:** Specifically tailored to meet the technical standards of elite recruiters like SAIL, TATA Steel, ISRO, and DRDO.
- **Academic Integration:** Aligned with degree and diploma curricula, as well as professional exams like AMIE and AMIIM.

- **Process Expertise:** Offers functional insights into industrial workflows, including casting, welding, and metal forming.
- **Property Analysis:** Details the physical, chemical, and mechanical properties used for material selection in engineering.
- **Future-Ready Focus:** Covers modern "Smart" materials and advanced engineering technologies beyond traditional metallurgy.
- **Simplified Concepts:** Breaks down complex topics, such as the Iron-Carbon Equilibrium diagram and heat treatments, into digestible formats.
- **Quality & Safety:** Dedicated sections cover mechanical testing and corrosion control to ensure material reliability and longevity.



## Table Of Contents

---

- Interview Questions
- Material Science
- Metallic Structure & Properties
- Deformation Mechanism
- Metallic Materials
- Non-Metallic Materials
- Ferrous Materials & Alloys
- Non-Ferrous Materials & Alloys
- Bearing Materials
- Spring Materials
- Dielectric Materials
- Magnetic Materials
- Semi-Conductor Materials
- Super Conducting Material
- Constitution of Alloys and Phase Diagrams
- Iron- Carbon Equilibrium Diagram
- Heat Treatment of Metals
- Polymers
- Shaping Processes for Plastics
- Rubber Processing Technology
- Physical Properties of Materials
- Mechanical Properties and Testing
- Composite Materials

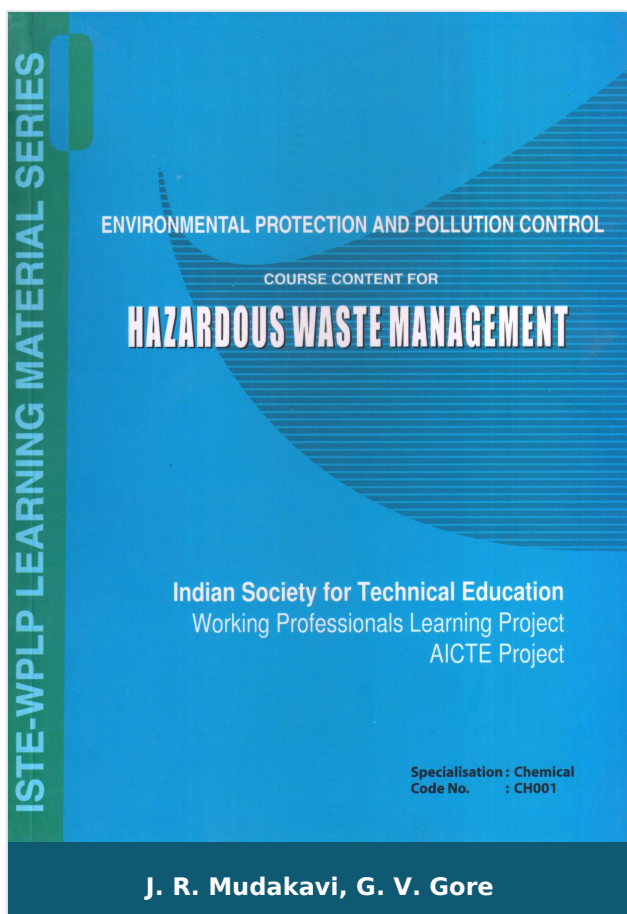
- Shaping Process for Polymer Matrix Composites
- Ceramic Materials
- Processing of Ceramics and Cermets
- Nanomaterials
- Advanced/ Smarts Materials
- Modern Engineering Materials
- Corrosion
- Casting
- Glass Working
- Power Metallurgy(PM)
- Metal Forming Technology
- Metal Treatment/Coating
- Welding/ Soldering /Brazing
- Miscellaneous Questions

## Author

---

### **O.P. Gupta**

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



## Hazardous Waste Management

**Author :** J. R. Mudakavi, G. V. Gore

**ISBN 13 :** 978-93-55385-07-9

**ISBN 10 :** 9355385072

**E-ISBN 13 :** 978-93-55385-07-9

**Edition :** 1

**Pages :** 356

**Type of book :** Physical

**Year :** 2006

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 499.00

**Categories :** [Chemical Engineering, Book Store, ISTE Series](#)

**Condition Type :** New

**Country Origin :** India

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## Product Description

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Environmental control is basically concerned with providing clean air and water, Since 1950's this concern has expanded into a wide range of activities, needing to find long lasting solutions for problems of global implications. One such topic is, Hazardous Waste Management. Typical solution to this problem involves, Monitoring, Treatment, Safe handling and Development of Control Technology. Thus, a new breed of scientists and technologists capable of dealing with transport, management and disposal of hazardous wastes is the need of hour.

Hazardous Waste Management problems are essentially divided into Management of currently generated wastes and pre-existing dump sites. Both these options have created a demand for trained Professional and Technologists to assess, monitor, design and implement suitable techniques for Hazardous Waste and Control. This module aims to fulfill this need.

## Table Of Contents

---

- J. R. Mudakavi
- J. R. Mudakavi
- G. V. Gore
- G. V. Gore

## Author

---

**J. R. Mudakavi**

Dr. J. R. Mudukavi G. V. Gore

**G. V. Gore**

G. V. Gore



## Engineering Graphics

|                         |                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Sharad K. Pradhan, K. K. Jain                                                                                       |
| <b>ISBN 13 :</b>        | 978-93-55380-00-5                                                                                                   |
| <b>ISBN 10 :</b>        | 9355380003                                                                                                          |
| <b>E-ISBN 13 :</b>      | 978-93-55380-00-5                                                                                                   |
| <b>Edition :</b>        | 1                                                                                                                   |
| <b>Pages :</b>          | 328                                                                                                                 |
| <b>Type of book :</b>   | Physical                                                                                                            |
| <b>Year :</b>           | 2023                                                                                                                |
| <b>Language :</b>       | English                                                                                                             |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                             |
| <b>M.R.P :</b>          | Rs 395.00                                                                                                           |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">Kannada Books, Book Store,</a><br><a href="#">Ebooks</a> |
| <b>Condition Type :</b> | New                                                                                                                 |
| <b>Country Origin :</b> | India                                                                                                               |

## Product Description

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“ Engineering Graphics” is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Book covers six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit.
3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.
4. Student and teacher centric subject materials included in book with balanced and chronological manner.
5. Figures, tables and software screen shots are inserted to improve clarity of the topics.
6. Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.

7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

8. Solved and unsolved problems including numerical examples are solved with systematic steps.



## Table Of Contents

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- Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and Symbols, List of Figures, List of tables Guidelines for Teachers, Guidelines for Students
- Basic Elements of Drawing
- Orthographic Projections
- Isometric Projections
- Free Hand Sketches of Engineering Elements
- Computer Aided Drafting Interface
- Computer Aided Drafting

## Author

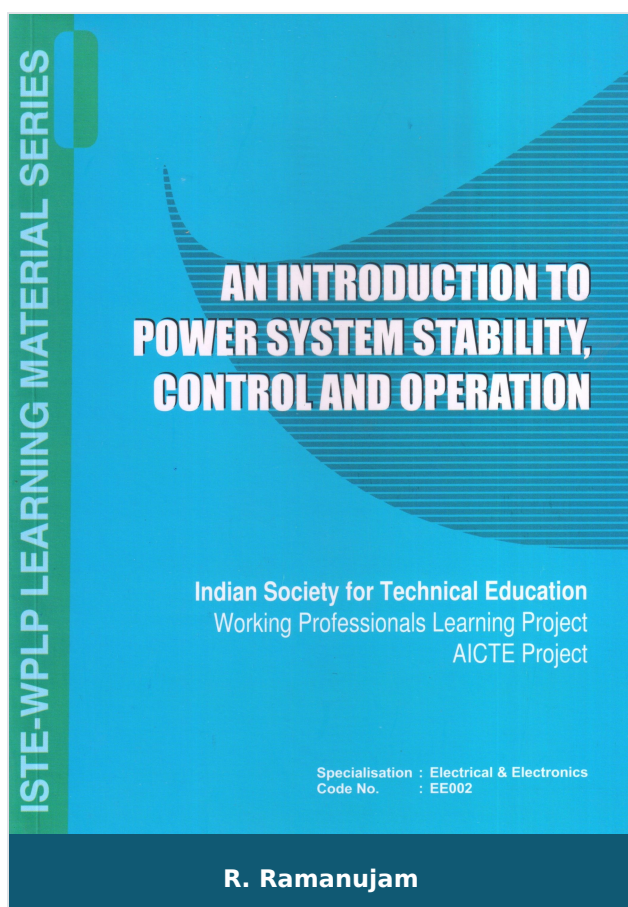
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**Sharad K. Pradhan**

Sharad K. Pradhan

**K. K. Jain**

K. K. Jain



## An Introduction to Power System Stability, Control and Operation

|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | R. Ramanujam                                                                                     |
| <b>ISBN 13 :</b>        | 978-93-55384-32-4                                                                                |
| <b>ISBN 10 :</b>        | 9355384327                                                                                       |
| <b>E-ISBN 13 :</b>      | 978-93-55384-32-4                                                                                |
| <b>Edition :</b>        | 1                                                                                                |
| <b>Pages :</b>          | 142                                                                                              |
| <b>Type of book :</b>   | Physical                                                                                         |
| <b>Year :</b>           | 2006                                                                                             |
| <b>Language :</b>       | English                                                                                          |
| <b>Publisher :</b>      | Khanna Publishing House                                                                          |
| <b>M.R.P :</b>          | Rs 199.00                                                                                        |
| <b>Categories :</b>     | <a href="#">Electrical, Electronics &amp; Communication Engineering, Book Store, ISTE Series</a> |
| <b>Condition Type :</b> | New                                                                                              |
| <b>Country Origin :</b> | India                                                                                            |

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## Product Description

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Power system in India have come a long way since independence. Growth of a power system indicates the health of the economy of a country. But it is accompanied by complexity and this complexity that power system stability and control are relevant.

This book is organized into two sections. " Power System Stability" is covered in the first three chapters and " Power System Control" in the latter part of the book. Power system stability is perhaps the earliest dynamic problem the power system engineering had to deal with. It was referred to as "hunting" then. Since then, volumes have been written on this topic and even a preliminary treatment of the entire contribution is clearly out of scope of this book.

This learning material is intended for the Electrical Engineering Graduates working professional in power utilities / Independent Power Plants (IPP) in the supervisory cadre and power system planning engineering / system operators / power transmission product manufacturers / Protection Engineers.

## Table Of Contents

---

- FOREWORD
- PREFACE
- Introduction to Stability and Control of Power Systems
- Power System Stability: Concepts and Classification
- Analysis of Power System Stability
- Control of Active Power and Frequency
- Control of Reactive Power and Voltage
- Power System Security
- Supervisory and Energy Management System

## Author

---

**R. Ramanujam**

R. Ramanujam



## Programming in Python

|                  |                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------|
| Author :         | R.S. Salaria                                                                                                          |
| ISBN 13 :        | 978-93-89139-01-3                                                                                                     |
| ISBN 10 :        | 9389139015                                                                                                            |
| E-ISBN 13 :      | 978-93-89139-01-3                                                                                                     |
| Edition :        | First                                                                                                                 |
| Pages :          | 380                                                                                                                   |
| Type of book :   | Physical                                                                                                              |
| Year :           | 2024                                                                                                                  |
| Language :       | English                                                                                                               |
| Publisher :      | Khanna Publishing House                                                                                               |
| M.R.P :          | Rs 375.00                                                                                                             |
| Categories :     | <a href="#">Computer Science Engineering,</a><br><a href="#">Emerging Technologies, Book</a><br><a href="#">Store</a> |
| Condition Type : | New                                                                                                                   |
| Country Origin : | India                                                                                                                 |

## Product Description

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This book is designed to serve as textbook for the students taking this subject. It is a book with a difference from other textbooks as it lays more emphasis on the conceptual concepts that are supported by illustrative examples, plenty of challenging theory and programming exercises, to test your knowledge acquired on the subject.

While writing the book, special emphasis is given to keep the language very simple and lucid; level of presentation is kept simple and illustrative so that even an average reader can grasp the subject matter with quite ease. Practically this book will provide you everything you need on the subject.

### Salient Feature

- Simple and easy language to encourage self-study
- Focus on the conceptual concepts of the subject.
- Demonstrates the development of programs in a good programming style.
- Large number of ready to run programs for reference.
- Large number of very short, short, and long theory questions to test your knowledge about the subject learned.
- Large number of programming exercises to test your programming skills acquired.

## Table Of Contents

---

- Familiarizing with Python
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- Data Types, Operators and Expressions
- Standard Input/Output
- Decision Making Statements
- Iterative/Looping Statements
- Modular Programming Using Function, Modules, and Packages
- Strings
- Sets
- Lists
- Sets
- List
- Tuples
- Dictionnaires
- File Handling
- OOP Concepts
- Classes and Objects
- Inheritance
- Operator Overloading
- Errors and Exceptional Handling
- Using Database and SQL

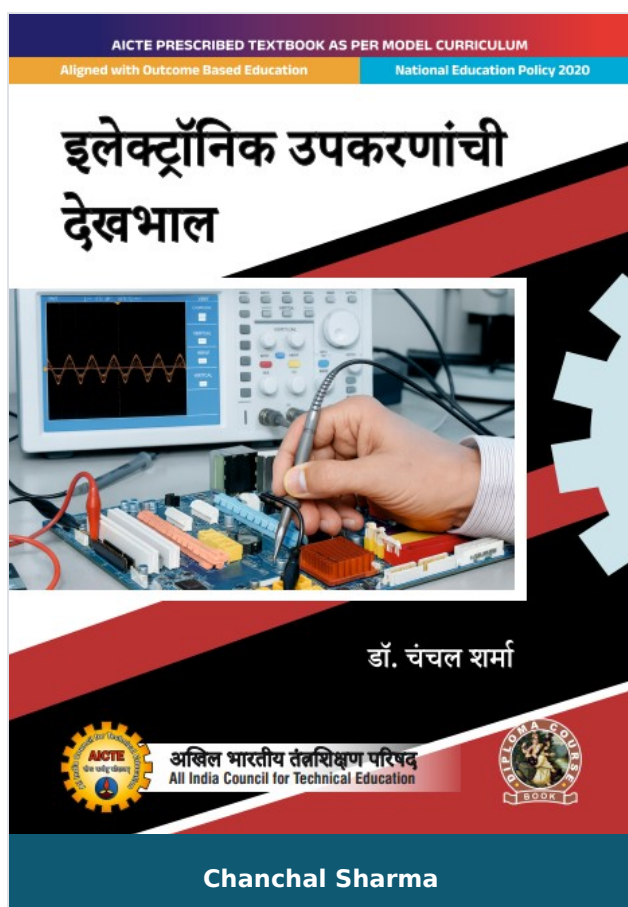
## Author

---

### **R.S. Salaria**

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>





## Electronic Equipment Maintenance

**Author :** Chanchal Sharma

**ISBN 13 :** 978-93-55385-40-6

**ISBN 10 :** 9355385404

**E-ISBN 13 :** 978-93-55385-40-6

**Edition :** First

**Pages :** 260

**Type of book :** Physical

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**M.R.P :** Rs 398.00

**Categories :** [AICTE Prescribed Textbooks,](#)  
[Marathi Books, Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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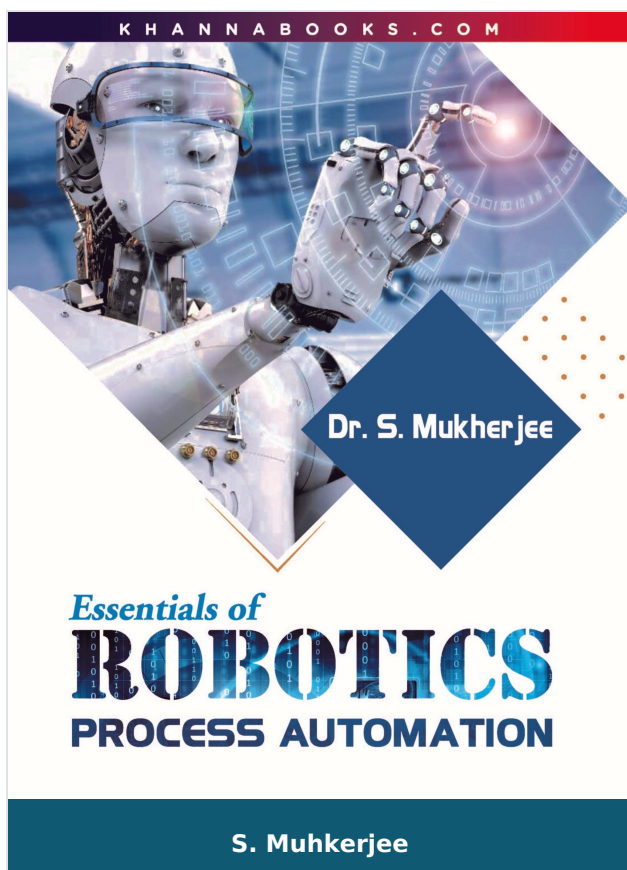
Electronic Equipment Maintenance

## Author

---

**Chanchal Sharma**

Dr. Chanchal Sharma Professor, Dept. of Electronics and Communication Engineering  
(ECE) Arya College of Engineering and IT Jaipur (Rajasthan)



## Essentials of Robotics Process Automation

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | S. Muhkerjee                                                                                                                                  |
| <b>ISBN 13 :</b>        | 978-93-86173-75-1                                                                                                                             |
| <b>ISBN 10 :</b>        | 9386173751                                                                                                                                    |
| <b>E-ISBN 13 :</b>      | 978-93-86173-75-1                                                                                                                             |
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| <b>Pages :</b>          | 280                                                                                                                                           |
| <b>Type of book :</b>   | Physical                                                                                                                                      |
| <b>Year :</b>           | 2026                                                                                                                                          |
| <b>Language :</b>       | English                                                                                                                                       |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                                                       |
| <b>M.R.P :</b>          | Rs 499.00                                                                                                                                     |
| <b>Categories :</b>     | <a href="#">Computer Science Engineering,</a><br><a href="#">Mechanical Engineering,</a><br><a href="#">Emerging Technologies, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                                                                           |
| <b>Country Origin :</b> | India                                                                                                                                         |

## Product Description

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This Robotics Process Automation book describes the RPA platform for the future of business process automation. More precisely this RPA book has tried to innumerate the followings:

1. RPA that brings speed to your digital transformation.
2. RPA helps to get rid of resource burden and it's consequences.
3. This emphasizes Business process automation must be in the hands frontline.
4. Only Automation Anywhere Enterprise combines consumer-like usability with enterprise-class reliability, and security for RPA that empowers the workforce to automate on their own, in real time.
5. What does RPA mean for business?

Optimize labor investment

Increase capacity on demand

Increase speed and productivity

Maximize availability

Improve business process compliance

Improve controls

Improve auditability

Enhance security

deliver business intelligence

Enable digital transformation

Improve employee morale

6. Putting RPA to work and deploy your digital workforce in your businesses like insurance, finance, manufacturing and health care and also other.

Deploy, manage and audit your Digital Workforce through a highly-intuitive RPA central command center, on-premise or in the cloud.

This RPA book also enable you to learn more about AI and machine language also factory automation, safeguard your data, analyze old predict business performance, streamline your blended anywhere, big data ready for analytics.

This book is made for BS/B,TECH and MS/M.TECH/MCA/MBA student who will have in-depth knowledge about RPA and its associated technologies falls in the same platform.

## Table Of Contents

---

- Robotics Process Automation
- Robot Gripper Process
- Drives and control system
- Kinematics
- Robot Actuation and Hardware Interface
- Robotics Process Automation Impacts on Business
- Case Study (List of Practicals)
- RPA Interview (Questions and Answers)

## Author

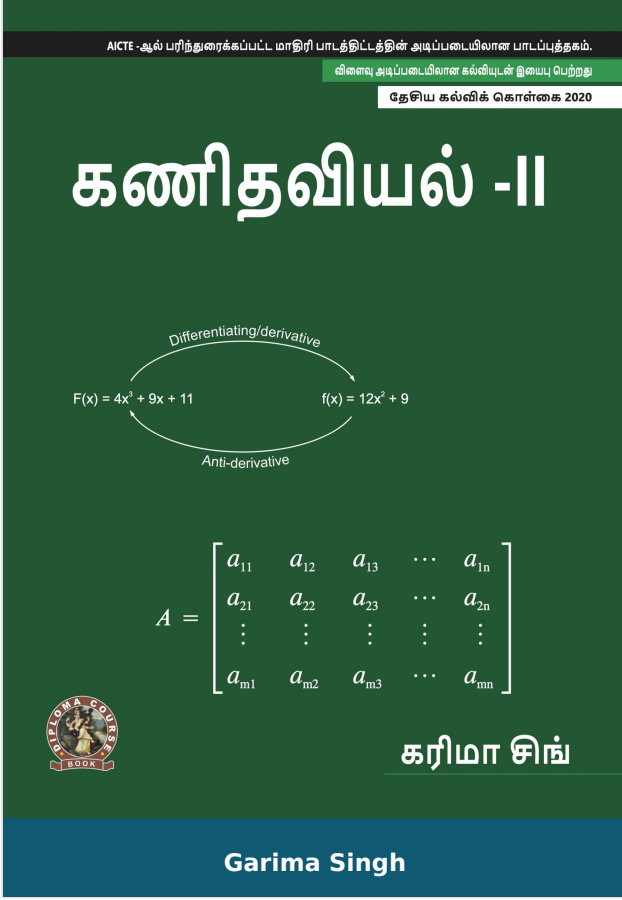
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### S. Mukherjee

S. Mukherjee Dr. Santosh Mukherjee is at present working as Chief Architect cum Chief Scientist and President of Santech International Inc.(San-Lab). Dr. Santosh Mukherjee is an young, award winning, widely proclaimed energetic and emerging Technologist & Scientist, who is one of the pioneer in the Technology fields of Digital technology focusing in Telecommunication/Nanotechnology, and Power/Medical Tech specializes in convergence connectivity, with 30 yrs professional experiences with Fortune 100 USA organization as Senior VP Innovation and Chief Scientists. Having experience to work as academia with the best Universities of USA, having qualification of D.Sc and PhD in the relevant field of interest. He has many patents approved by USGOV and also few are in the process. He is joint patent holder of many patents, during his service career with the Above companies He has published four similar kinds of technological books. He is associated with IEEE, World Bank , American Management Association, NJTC, Asian Development Bank, Member of Indian Govt. Tech Diaspora and Knowledge Commission.

Recipients of the award, "Best Technologist & Emerging Scientist of the Year 2003" from Chair person of Science and Tech Commission, USA in the Capitol Hill, but it Washington His leadership also include in accomplishing to develop an NRI Complex in India of American. He is "Technical Advisor " of Federal Commission of USA of " Science & Technology " and "Energy" from 2010 .





## Mathematics - II

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|-------------------------|------------------------------------------------------------------------------------------------|
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## Product Description

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“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations. Book covers seven topics- Determinants, Matrices, Integral Calculus and it's applications. Co-ordinate Geometry and it's applications, vectors and it's applications, Differential equations. Basic of MATLAB. Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.
2. Objective questions and subjective questions are given for practice of students after every unit.
3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and unit Outcomes.
4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.
5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

6. Student and teacher centric subject materials are included in the book in a balanced manner.
7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

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## Author

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