

Industrial Safety and Maintenance Management

Author :	M.P. Poonia
ISBN 13 :	978-93-86173-18-8
ISBN 10 :	93-86173-18-2
E-ISBN 13 :	978-93-86173-18-8
Edition :	First
Pages :	456
Type of book :	Paperback
Weight (g) :	670.00
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 550.00
Categories :	Civil Engineering , Civil Engineering
Condition Type :	New
Country Origin :	India

Product Description

In the age of industrialization having main focus on increased production, higher productivity, stringent quality, minimizing cost etc., it has become essential to have more knowledge on industrial safety and various hazards with their remedial measures. Maintenance aspects are also gaining importance, as they have substantial impact on production, productivity, workers safety and their health and working environment. Neglect of safety in an industry at any stage. from concept to design, erection, commissioning, operation and maintenance of plant and machinery may lead to loss of life, production and money. It is hoped that this book will be very useful for the engineering student and professionals. The book covers the AICTE model curriculum and the syllabi of various other Indian university on the subject.



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

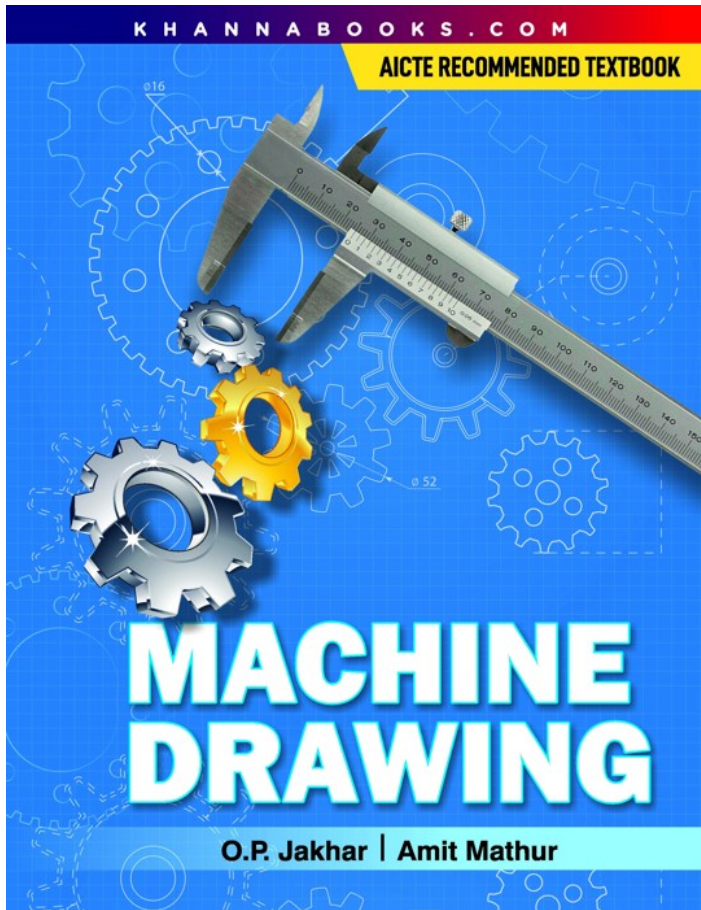
Table of Contents

PART - 1: INDUSTRIAL SAFETY Chapter 1: Safety Concept. **Chapter 2:** Accidents and Their Prevention. **Chapter 3:** Accident Investigation and Reporting. **Chapter 4:** Safety Management. **Chapter 5:** She Audit and Safety Management Techniques. **Chapter 6:** Hazards. **Chapter 7:** Occupation Health and Hygiene. **Chapter 8:** Ergonomics (Human Engineering). **Chapter 9:** Safety Performance. **Chapter 10:** Fire and Explosions. **Chapter 11:** Fire Prevention, Protection and Control. **Chapter 12:** Electrical Safety. **Chapter 13:** Common Hazards in Construction Industry. **Chapter 14:** Hazards in Industry and Safe Working Practice. **Chapter 15:** Safety in Materials Handling and Storage. **Chapter 16:** Personal Protection Equipment (PPE). **Chapter 17:** Occupation Health and Safety Management System. **Chapter 18:** First Aid and Medical Care. **PART - 2: MAINTENANCE MANAGEMENT Chapter 19:** Introduction to Maintenance. **Chapter 20:** Maintenance Strategies/Types. **Chapter 21:** Reliability Engineering. **Chapter 22:** Maintenance, Availability and Failure Analysis. **Chapter 23:** Replacements Economics. **Chapter 24:** Maintenance and Repairs of Defects/Failures. **INDEX**

Authors

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata). Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company. **S.C. Sharma** after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.





Machine Drawing

Author :	Amit Mathur
ISBN 13 :	978-93-86173-28-7
ISBN 10 :	93-86173-28-X
E-ISBN 13 :	978-93-86173-28-7
Edition :	First
Pages :	188
Type of book :	Paperback
Weight (g) :	280.00
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 499.00
Categories :	Mechanical Engineering , Mechanical Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book is Designed for the students of Engineering and Technology as well as specially for Mechanical Engineering Degree and Diploma students. The teaching of this course faces difficulty in explaining the various concept of machine drawing viz., orthographical projection, sectioning, complicated mechanical assembly drawing etc. Sometimes explanation requires some three dimensional and complicated drawing to be drawn on the black board which is quite impossible due to the time constraint of class. This book is an outcome of the strong need felt by students offering the course and the teaching need felt by us. The teacher can explain the related concepts, drawing methods and uses of various parts being drawn etc. in each practical class without bothering the black board. The subject matter has been compressed from the view point of Mechanical Engineering students. The book also contains Basic Drawing Softwares which describes about the basics of Auto-CAD, CATIA, PROE, ANSYS etc. which is useful for today's need of Engineering & Technology.



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

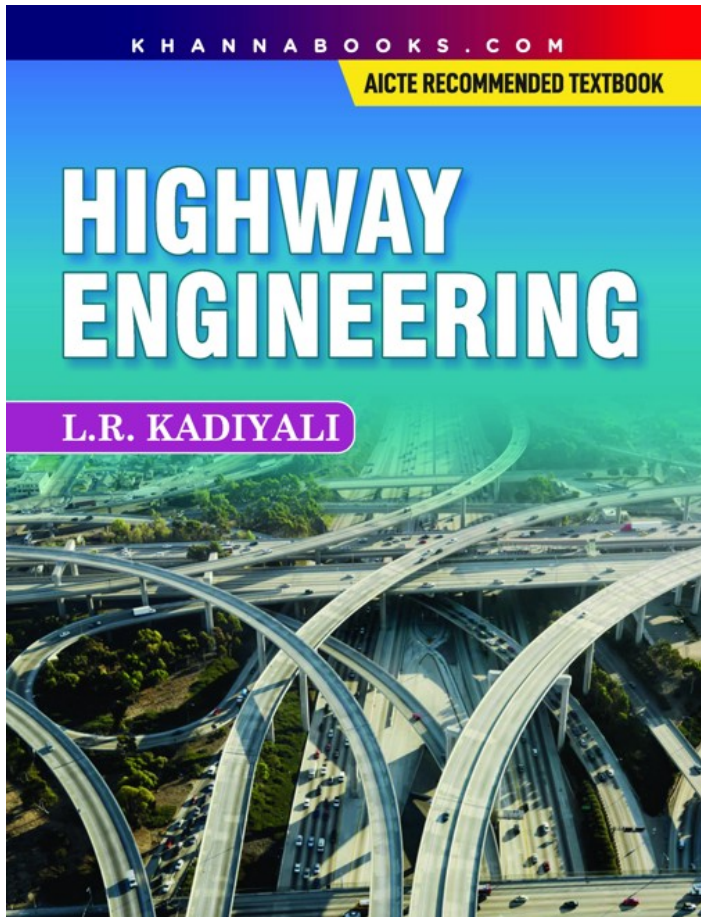
Table of Contents

Chapter 1: Basic of Machine Drawing. **Chapter 2:** Sectional Views. **Chapter 3:** Rivets and Riveted Joints. **Chapter 4:** Screw Threads and Fasteners. **Chapter 5:** Bearings & Shaft Coupling. **Chapter 6:** Assembly Drawing. **Chapter 7:** Power Transmission Drives. **Chapter 8:** Basics Drawing Software.

Authors

Dr. O.P. Jakhar: Started his teaching carrier in 2000 as lecturer in Mechanical Engineering Department as Shri Balaji College of Engineering and Technology (SBCET, Jaipur. Further he served Stani Memorial College of Engineering and Technology, Phagi, Jaipur and Ajmer Institute of Technology, Ajmer as Senior Lecturer. Dr. Jakhar joined Maharana Pratap University of Agriculture and Technology, Udaipur as Assistant Professor in 2005. At Presently he is serving at Govt. Engineering College, Bikaner as Associate Professor in Mechanical Engineering department since 2008. His areas of interested are Heat Transfer, Fluid Mechanics and Machines, Steams Power and Thermal Engineering. Dr. Jakhar is life member of ISTE and Indian Geological Congress (IGC) he has guided 10 M.Tech. dissertations and published more than 40 research papers. Dr. O.P. Jakhar got commissioned as Lieutenant in NCC in 2005 and presently he is serving as Captain at 7 Raj. BN. NCC, Bikaner. **Amit Mathur** is presently Assistant Professor & Head in the Department of Mechanical Engineering at Govt. College of Engineering & Technology, Bikaner. He has done B.E.(Mechanical Engineering) from Govt. Engineering College, Ajmer and M.E. (Manufacturing Technology) from NITTTR, Chandigarh. He has an experience of more than 10 years in the field of Teaching & Research. He has published more than 06 papers in National Conference Proceedings & Journals. He is also an Associated member of Institution of Engineers India.





Highway Engineering

Author :	L.R. Kadiyali
ISBN 13 :	978-93-86173-13-3
ISBN 10 :	93-86173-13-1
E-ISBN 13 :	978-93-86173-13-3
Edition :	First
Pages :	604
Type of book :	Paperback
Weight (g) :	800.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 525.00
Categories :	Civil Engineering , Civil Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book on Highway Engineering shall be useful for B.E./B. Tech & M.E/ M. Tech students of Civil Engineering. It shall also be useful for practicing Engineering and designers.



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

Table of Contents

Chapter 1: Development of Highways. **Chapter 2:** Highway Administration and Finance. **Chapter 3:** Road User and the Vehicle. **Chapter 4:** Geometric Design. **Chapter 5:** Design Surveys, Soils and Aggregates, Investigations and Tests. **Chapter 6:** Design, Drawing, Estimates and Projects Report. **Chapter 7:** Economic Evaluation of Highway Projects. **Chapter 8:** Embankment Design and Construction. **Chapter 9:** Types of Pavements and Factors Governing Pavement Design. **Chapter 10:** Pavement Materials. **Chapter 11:** Design of Flexible Pavements. **Chapter 12:** Rigid Pavements. **Chapter 13:** Soil Stabilization. **Chapter 14:** Granular Sub-Bases, Bases and Surface Courses. **Chapter 15:** Brick, Stone and Cement Concrete Block Pavements. **Chapter 16:** Hill Roads. **Chapter 17:** Rural Roads (Low Volume Roads). **Chapter 18:** Urban Roads **Chapter 19:** Expressways **Chapter 20:** Toll Roads. **Chapter 21:** Desert Roads. **Chapter 22:** Roads in Swampy and Water-Logged Areas and in Black Cotton Soils. **Chapter 23:** Road Construction Machinery. **Chapter 24:** Road Construction Programming and Management. **Chapter 25:** Highway Drainage. **Chapter 26:** Cross-Drainage Structures. **Chapter 27:** Road Accident and Highway Design. **Chapter 28:** Road Signs. **Chapter 29:** Road Markings. **Chapter 30:** Traffic Signals. **Chapter 31:** Highway Safety Appurtenances. **Chapter 32:** Highway Maintenance. **Chapter 33:** Pavement Evaluation. **Chapter 34:** Overlay Design and construction. **Chapter 35:** Use of Geosynthetics. **Chapter 36:** Environmental, Landscaping and Arboriculture. **Chapter 37:** Airport Engineering.

Author

Dr. L. R. Kadiyali is B.E.(Hons.), from Bombay and pursued Ph.D. from Kakatiya University. He has done P.G. diploma in Highway and Traffic Engineering from Newcastle-Upon-Tyne. He is Formerly Chief Engineer, (Roads Wing), Ministry of Road Transport & Highways, New Delhi and Study Director, Road User Coast Study, Central Road Research Institute New Delhi.

