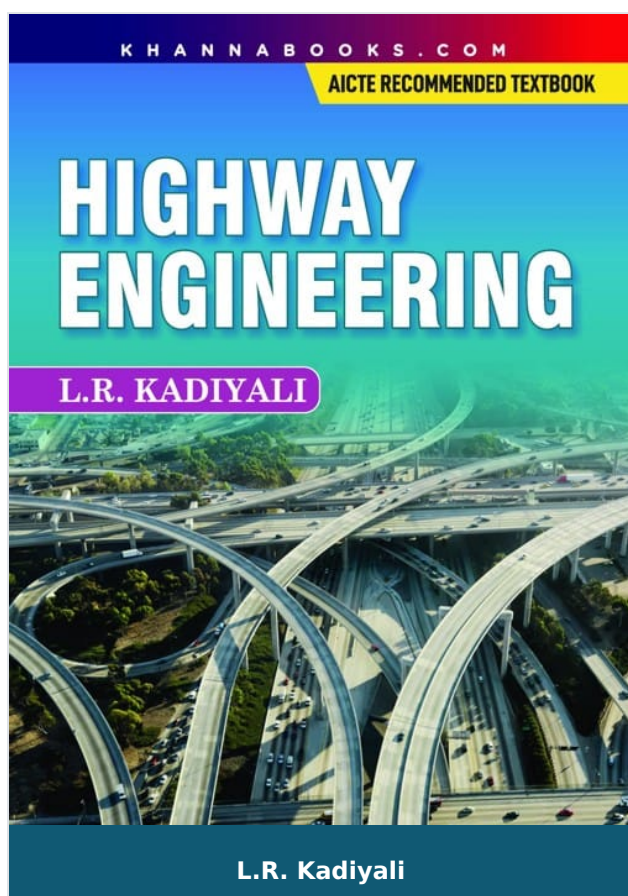




## Highway Engineering

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| <b>Author :</b>         | L.R. Kadiyali                                                                            |
| <b>ISBN 13 :</b>        | 978-93-86173-13-3                                                                        |
| <b>ISBN 10 :</b>        | 9386173131                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-86173-13-3                                                                        |
| <b>Edition :</b>        | First                                                                                    |
| <b>Pages :</b>          | 604                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                 |
| <b>Year :</b>           | 2025                                                                                     |
| <b>Language :</b>       | English                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                  |
| <b>M.R.P :</b>          | Rs 525.00                                                                                |
| <b>Categories :</b>     | <a href="#">Civil Engineering, UNIVERSITY RECOMMENDED, Civil Engineering, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                      |
| <b>Country Origin :</b> | India                                                                                    |

## Product Description

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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.

## Table Of Contents

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- Development of Highways
- Highway Administration and Finance
- Road User and the Vehicle
- Geometric Design
- Design Surveys, Soils and Aggregates, Investigations and Tests
- Design, Drawing, Estimates and Projects Report
- Economic Evaluation of Highway Projects
- Embankment Design and Construction
- Types of Pavements and Factors Governing Pavement Design
- Pavement Materials
- Design of Flexible Pavements
- Rigid Pavements
- Soil Stabilisation
- Granular Sub-Bases, Bases and Surface Courses
- Brick, Stone and Cement Concrete Block Pavements
- Hill Roads
- Rural Roads (Low Volume Roads)
- Urban Roads
- Expressways
- Toll Roads
- Desert Roads
- Roads in Swampy and Water-Logged Areas and in Black Cotton Soils
- Road Construction Machinery

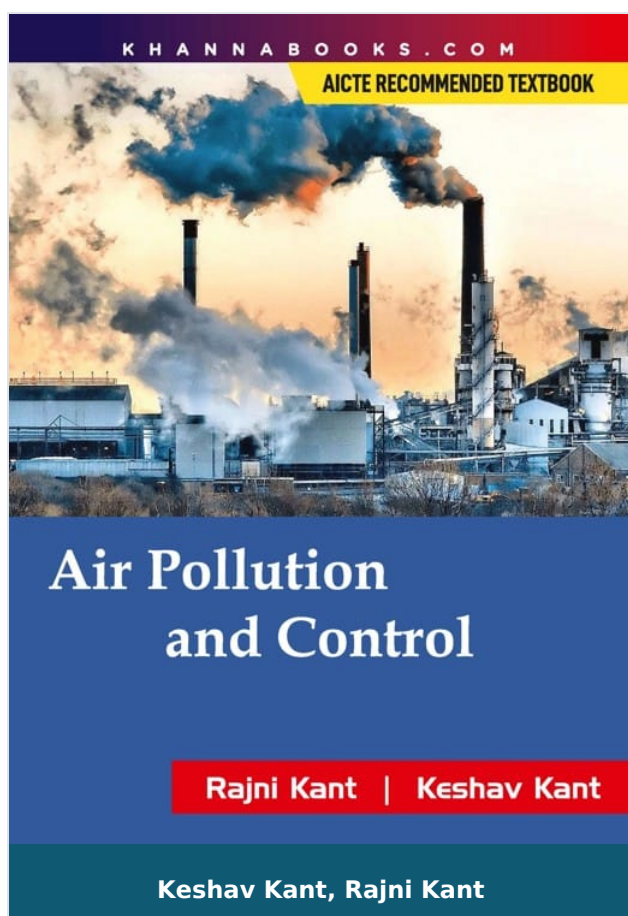
- Road Construction Programming and Management
- Highway Drainage
- Cross-Drainage Structures
- Road Accident and Highway Design
- Road Signs
- Road Markings
- Traffic Signals
- Highway Safety Appurtenances
- Highway Maintenance
- Pavement Evaluation
- Overlay Design and construction
- Use of Geosynthetics
- Environmental, Landscaping and Arboriculture
- Airport Engineering

## Author

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### **L.R. Kadiyali**

L.R. Kadiyali 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 Cost Study, Central Road Research Institute New Delhi.



## Air Pollution and Control

**Author :** Keshav Kant, Rajni Kant

**ISBN 13 :** 978-93-86173-30-0

**ISBN 10 :** 9386173301

**E-ISBN 13 :** 978-93-86173-30-0

**Edition :** First

**Pages :** 456

**Type of book :** Physical

**Year :** 2023

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 450.00

**Categories :** [Civil Engineering, UNIVERSITY RECOMMENDED, Civil Engineering, Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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This book provides a fully comprehensive, rigorous and refreshing treatment of 'Air Pollution and Control' covering present day technology and developments. It covers various new topics like bioaerosols or aeroallergens and hazardous air pollutants including diesel exhaust and dioxins.

The book is intended to meet the requirements of (a) Undergraduate and postgraduate students of particularly Environmental and Mechanical Engineering and also other branches of Engineering, (b) Technologists, designers, operation and maintenance engineers of industries, electrical power plants, heat and power utilities, (c) Aspirants for competitive examinations of IAS, IES, IFS, PCS, and aspirants for various state and private technical services, etc. and (d) General readers interested in the field for better understanding and knowledge.

The book is divided into 20 chapters and presents enormous information covering all aspects of Air Pollution in various sectors relevant to Indian conditions. Each of the following chapters is followed by questions at the end based upon the text.

## Table Of Contents

---

- Chapter-1: Introduction
- Chapter-2: Sources of Air Pollution and their Ill-effects
- Chapter-3: Effects of meteorological Conditions on Air Pollution
- Chapter-4: Control of Emission of Suspended Particulate Matter in Coal Fired Thermal power Stations
- Chapter-5: Control of Oxides of Nitrogen in Combustion of Fossil fuels in Power Generation and Industries
- Chapter-6: Control of Emission of Oxides of sulphur by Absorption Systems Internal to Boilers
- Chapter-7: Control of Emission of Oxides of sulphur(SO<sub>x</sub>) for Flue Gases of Boilers
- Chapter-8: Air Pollution from Industries and Their Control
- Chapter-9: Air Pollution in Petroleum Refineries
- Chapter-10: Control of Mercury Emission from Thermal Power Stations and Industries
- Chapter-11: Air Pollution by Nuclides / Radioactivity - Safety and Control
- Chapter-12: Air Pollution by Municipal Solid Wastes, Biomedical Wastes and E-Wastes and Their Control
- Chapter-13: Control of Air Pollution from Mobile Sources and Standards Applicable
- Chapter-14: Damage due to Air Pollution to Electronic / Electrical Equipments and protective Measures
- Chapter-15: Emission Limits Imposed by Indian regulations
- Chapter-16: Measurements of Air Pollutants
- Chapter-17: Control of Noise Pollution
- Chapter-18: Control of Odours
- Chapter-19: Environmental Impact Assessment for Projects
- Chapter-20: Miscellaneous Topics

## Author

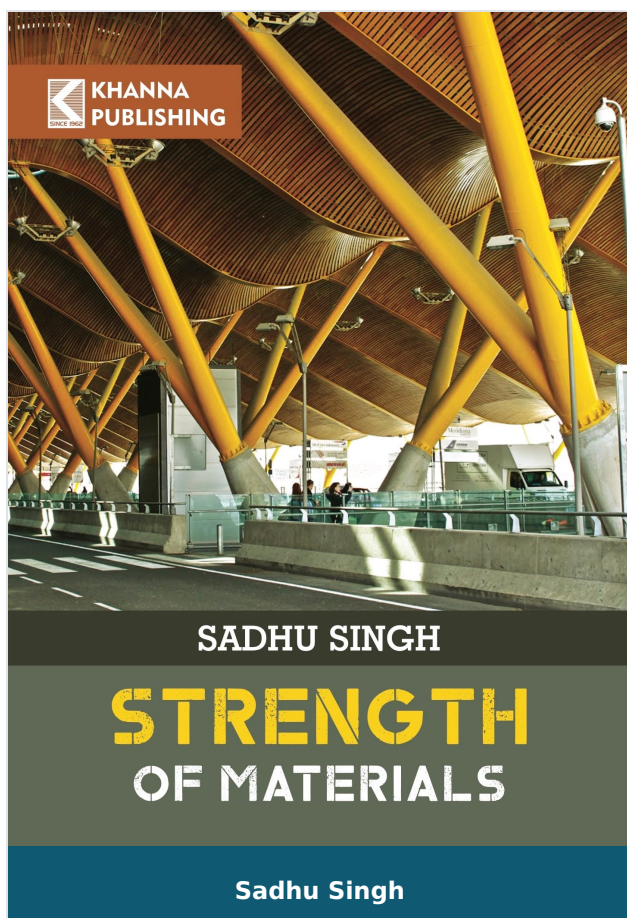
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### **Keshav Kant**

Dr. Keshav Kant is a former Professor of Mechanical Engineering, I.I.T. Kanpur, who after superannuation from I.I.T. Kanpur in June 2005, served as professor and Head of Mechanical Engineering Department and later as the Director in a number of Private Engineering Colleges/ Institutes. He has three Monographs, five technical reports, 90 publications to his credit in National and International Journals and Proc. of National and International Conference.

### **Rajni Kant**

Er. Rajni Kant, an Engineering Graduate from BHU in 1954, recieved an extensive training in the works of M/S Hitachi Ltd. Japan and also at large capacity power stations and projects of Georgia Power Company (USA). He has more than 50 years of experience to his credit in the aforesaid fields and has authored about 40 papers in various fields including Power Plant and Environmental Engineering which were published in National and International Journals and Proceeding of National and International Conferences.



## Strength of Materials

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| <b>Author :</b>         | Sadhu Singh                                                      |
| <b>ISBN 13 :</b>        | 978-93-81068-80-9                                                |
| <b>ISBN 10 :</b>        | 9381068801                                                       |
| <b>E-ISBN 13 :</b>      | 978-93-81068-80-9                                                |
| <b>Edition :</b>        | First                                                            |
| <b>Pages :</b>          | 600                                                              |
| <b>Type of book :</b>   | Physical                                                         |
| <b>Year :</b>           | 2021                                                             |
| <b>Language :</b>       | English                                                          |
| <b>Publisher :</b>      | Khanna Publishing House                                          |
| <b>M.R.P :</b>          | Rs 425.00                                                        |
| <b>Categories :</b>     | <a href="#">Civil Engineering, Civil Engineering, Book Store</a> |
| <b>Condition Type :</b> | New                                                              |
| <b>Country Origin :</b> | India                                                            |

## Product Description

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This book is a textbook for the B.E./B. Tech. students of UP technical University, Lucknow and Uttarakhand Technical University, Dehradun. The book has been written as per the new syllabus of these Universities. The subject matter has been explained in the simplest possible way for easy assimilation by the students. This has been reinforced by a large number of solved examples. A large number of solved examples, short answer type questions chapter wise. Unsolved end-of chapter exercises.

## Table Of Contents

---

- Compound Stresses and Strains
- Theories of Failure
- Three Dimensional Stresses and Strains
- Stresses in Beams
- Deflection of Beams
- Fixed and Continuous Beams
- Torsion of Shafts
- Columns and Struts
- Helical and Leaf Springs
- Thin Cylinders and Spheres
- Thick Cylinders and Spheres
- Rotating Discs and Cylinders
- Curved Beams
- Unsymmetrical Bending
- Appendix -I
- Appendix-II

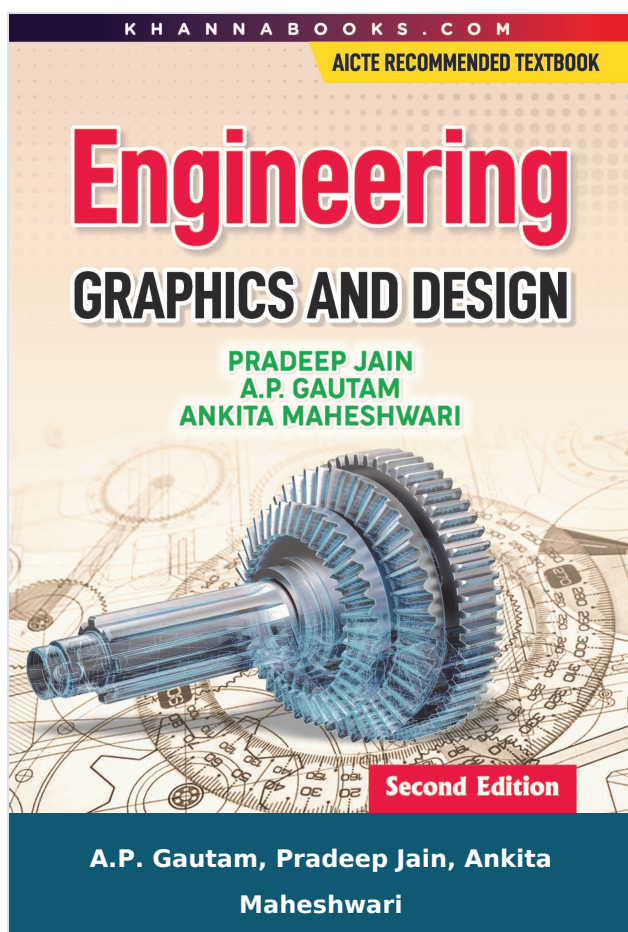
## Author

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### **Sadhu Singh**

Dr. Sadhu Singh is a retired professor of Mechanical Engineering of Govind Ballabh Pant university of Agriculture & Technology, Pantnagar. He graduated in Mechanical Engineering with Hons, from Punjab University, Chandigarh, M.Sc. (Mechanical Design & Production Engineering) and Ph.D. from Kurukshetra University, Kurukshetra. His teaching experience spans 15 years at Regional Engineering College (now NIT), Kurukshetra and

19 years at Pantnagar University. He has been Professor & Head, Mechanical Engineering Department and Dean, Faculty of Engineering & Technology at Pantnagar. He has been Director (Colleges). Punjab Technical University, Jalandhar.



## Engineering Graphics and Design

**Author :** A.P. Gautam, Pradeep Jain, Ankita Maheshwari

**ISBN 13 :** 978-93-86173-47-8

**ISBN 10 :** 9386173476

**E-ISBN 13 :** 978-93-86173-47-8

**Edition :** Second

**Pages :** 284

**Type of book :** Physical

**Year :** 2024

**Language :** English

**Publisher :** Khanna Publishing House

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

**Categories :** [Civil Engineering, UNIVERSITY RECOMMENDED, Civil Engineering, Book Store, Best Sellers](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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This book covers complete syllabus of Engineering Graphics and Design along with AUTOCAD catering requirements of B.Tech. in Engineering

The book is in easy to understand, simple English.

It provides step-by-step solutions to problems along with suitable example and proper drawings. Using AutoCAD and Solid Work. All chapter make learning easy with unique features such as Summary, Solved examples and Practice Problems.

Chapters have been organized to present data in concise format with suitable tables, diagrams, drawings and illustration.

## Table Of Contents

---

- Chapter-1: Introduction to Engineering Drawing
- Chapter-2: Projections
- Chapter-3: Auxiliary Planes and Views and Projections
- Chapter-4: Sectional Views
- Chapter-5: Isometric Projections
- Chapter-6: Overview of Computer Aided Design
- Chapter-7: Drawing Using AUTOCAD
- Chapter-8: Modifying Using AUTOCAD
- Chapter-9: Customisation and Productive Tools
- Chapter-10: Dimensioning, Annotations Layering
- Chapter-11: Solid Modelling
- Exercise
- Summary

## Author

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### A.P. Gautam

A.P. Gautam AP Gautam has more than five year of experience in teaching and industry. He is also providing solutions in engineering design. Presently he is working in HI Tech Institute of Engineering Technology.

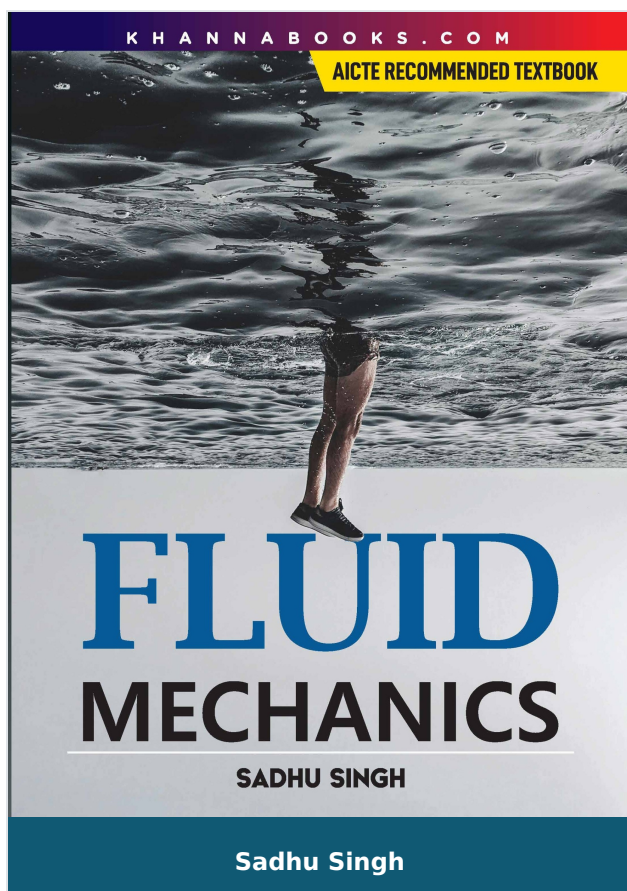
### Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and

consultancy in CAD/ CAM field.

**Ankita Maheshwari**

Ankita Maheshwari



## Fluid Mechanics | AICTE Recommended Textbook

|                         |                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Sadhu Singh                                                                                                      |
| <b>ISBN 13 :</b>        | 978-93-81068-65-6                                                                                                |
| <b>ISBN 10 :</b>        | 9381068658                                                                                                       |
| <b>E-ISBN 13 :</b>      | 978-93-81068-65-6                                                                                                |
| <b>Edition :</b>        | First                                                                                                            |
| <b>Pages :</b>          | 680                                                                                                              |
| <b>Type of book :</b>   | Physical                                                                                                         |
| <b>Year :</b>           | 2025                                                                                                             |
| <b>Language :</b>       | English                                                                                                          |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                          |
| <b>M.R.P :</b>          | Rs 495.00                                                                                                        |
| <b>Categories :</b>     | <a href="#">Civil Engineering, Mechanical Engineering, UNIVERSITY RECOMMENDED, Civil Engineering, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                                              |
| <b>Country Origin :</b> | India                                                                                                            |

**Khanna Publishing House**

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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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This book is a textbook for the B.E./B. Tech. students of All Indian Universities and Institutions. The subject matter has been explained in the simplest possible way for easy assimilation by the students. This has been reinforced by a large number of solved examples. A large number of solved examples, short answer type questions chapter wise. Unsolved end-of chapter exercises. Multi-choice questions from ESE/CSE/GATE.

## Table Of Contents

---

- Fluid Properties
- Fluid Statics
- Fluid Kinematics
- Fluid Dynamics
- Compressible Fluid Flow
- Viscous Flow
- Flow Through Pipes
- Boundry Layer flow
- Turbulent Flow
- Fluid Measurement
- Dimensional and Model Analysis
- Notches and Weirs
- Flow through Open Channels
- Potential Flow
- Multiple Choice Questions
- Index

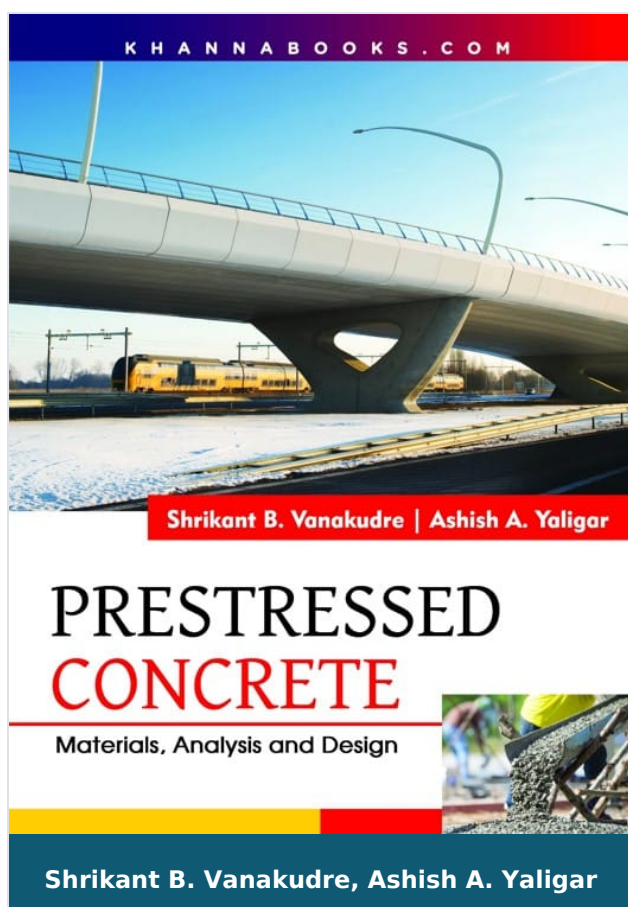
## Author

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### Sadhu Singh

Dr. Sadhu Singh is a retired professor of Mechanical Engineering of Govind Ballabh Pant university of Agriculture & Technology, Pantnagar. He graduated in Mechanical Engineering with Hons, from Punjab University, Chandigarh, M.Sc. (Mechanical Design & Production Engineering) and Ph.D. from Kurukshetra University, Kurukshetra. His teaching experience spans 15 years at Regional Engineering College (now NIT), Kurukshetra and

19 years at Pantnagar University. He has been Professor & Head, Mechanical Engineering Department and Dean, Faculty of Engineering & Technology at Pantnagar. He has been Director (Colleges). Punjab Technical University, Jalandhar.



## Prestressed Concrete

**Author :** Shrikant B. Vanakudre, Ashish A. Yaligar

**ISBN 13 :** 978-93-86173-31-7

**ISBN 10 :** 938617331X

**E-ISBN 13 :** 978-93-86173-31-7

**Edition :** First

**Pages :** 420

**Type of book :** Physical

**Year :** 2023

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 399.00

**Categories :** [Civil Engineering, Civil Engineering, Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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Prestressed Concrete provides a comprehensive coverage of the theoretical and practical aspects of the subject and includes the latest developments in the field of prestressed concrete construction. It incorporates the latest Indian Standard specifications and codes regulating prestressed concrete construction.

The book introduces the properties of the materials and Prestressing systems used in the PSC construction. Topics discussed on analysis of PSC sections for flexure, deflection, shear and torsion. In addition to this, analysis and design of various prestress concrete elements such as continuous beams, composite sections, one way slabs, two way slabs, flat slabs, grid floors, compression members, tension members, pipes, piles and tanks are discussed. Analysis and design of various PSC structures such as bridges, sleepers, pavements and poles are also covered.

Construction techniques are well illustrated through numerous figures and a number of illustrative examples. Objective questions illustrated are quite useful for those appearing for competitive examinations. The content of this book serve the needs of both students and professionals.

Salient Features:

- Ø Presents a blend of theoretical and practical aspects.
- Ø Incorporates the provisions of the latest code, IS: 1343, in prestressed concrete.
- Ø Supports theory with illustrations and photographs.
- Ø Reinforces theoretical concepts by providing solved examples, review questions, exercise problems and objective questions.
- Ø Pedagogy:
  - o 274 Figures

- o 106 Solved Examples
- o 191 Review Questions
- o 93 Exercise Problems
- o 305 Objective Questions

## Table Of Contents

---

- Introduction, Materials and Systems of Pre-stressing
- Analysis of Sections For Flexure
- Losses of Pre-stress
- Analysis and Design of Sections for Shear
- Deflection of Pre-stressed Concrete Member
- Ultimate Flexural Resistance
- Design of Pre-stress Concrete Sections For Flexure and Torsion
- End Blocks
- Analysis and Design of PSC Continuous Beams
- Analysis and Design of Composite Sections
- Design of PSC One Way, Two Way & Flat Slabs and Grid Floors
- Compression Members and Piles
- Tension Members, Pipes and Tanks
- Poles, Pavements & Sleepers
- Design of Pre-stressed Concrete Bridges
- Index

## Author

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### **Shrikant B. Vanakudre**

Dr. Shrikant B. Vanakudre, Principal S.D.M College of Engineering & Technology, Dharwad, Karnataka, India, affiliated to Visvesvaraya Technological University, Belgavi. Completed his M.Tech. in Structural Engineering from Government Engineering College Haveri, Karnataka and B.E in Civil Engineering from P.D.A. College of Engineering, Kalaburagi, Karnataka. He has 4 years of research experience and

published 3 research papers in journals & 3 research papers in International Conferences. His areas of Interest are Concrete Technology, Analysis and Design of Structures etc.

**Ashish A. Yaligar**

Ashish A. Yaligar Ashish A. Yaligar is presently pursuing Ph.D (Full Time) in Department of Civil Engineering under the guidance of Dr.