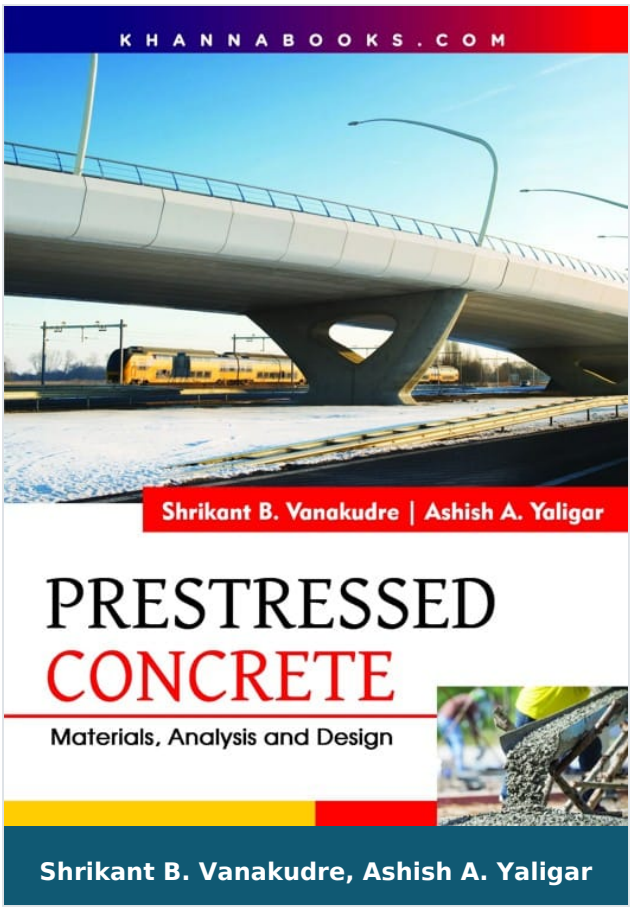


Prestressed Concrete

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Product Description

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

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- 191 Review Questions
- 93 Exercise Problems
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Author

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 Engineeering, Kalaburagi, Karnataka. He has 4 years of research experience and

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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.