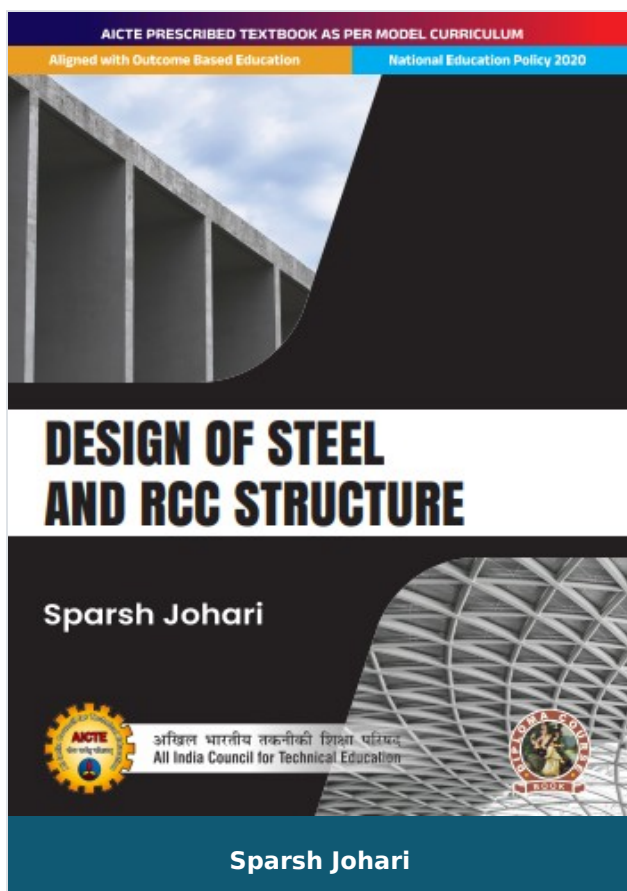




Design of Steel and RCC Structure

Author : Sparsh Johari

ISBN 13 : 978-93-55388-36-0

ISBN 10 : 9355388365

E-ISBN 13 : 978-93-55388-36-0

Edition : First

Pages : 188

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

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

Condition Type : New

Country Origin : India

Product Description

Design of Steel and RCC Structure

This book – Design of steel and RCC Structures – covers various topics relevant to construction work. It includes an introduction to steel and RCC structures, philosophies of designing beams and columns, use of the Limit state Method in designing the RCC members, shear and bond strength, and designing the development length. In addition, a detailed design of axially loaded RCC columns is also included in the book.

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.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- questions are given for practice of students after every chapter.
- Solved numerical problems are illustrated in the chapters.

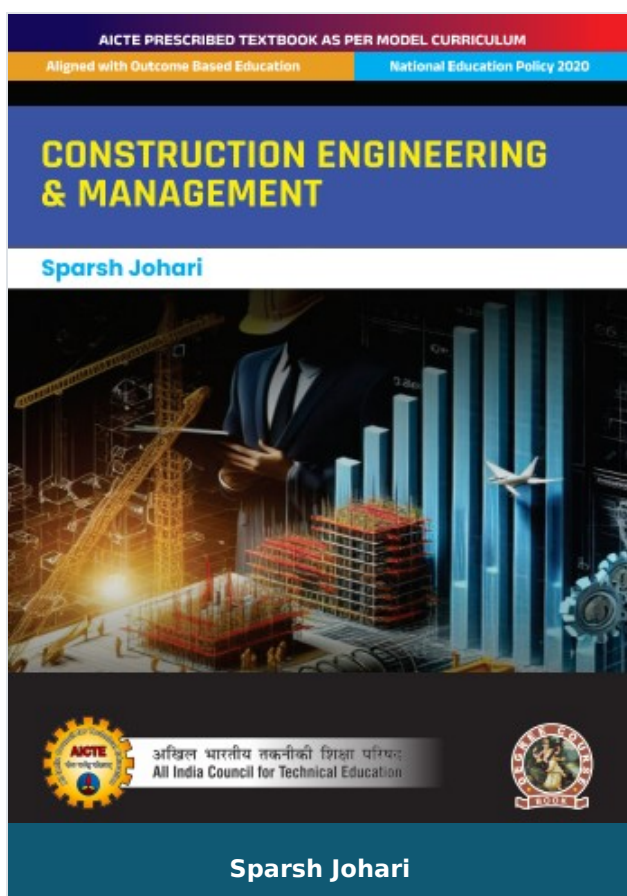
Table Of Contents

- Foreword
- Acknowledgement
- Contributors
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Design of Steel Tension and Compression Members
- Design of Steel Beams
- Design of Reinforced Concrete Beams by Limits State Method
- Shear, Bond, and Development Length in The Design of RCC Member
- Design of Axially Loaded RCC Column
- Appendix
- References for Further Learning
- CO and PO Attainment Table
- Index

Author

Sparsh Johari

Dr. Sparsh Johari Assistant Professor Department of Civil Engineering, Indian Institute of Technology Guwahati, Assam



Construction Engineering & Management

Author : Sparsh Johari

ISBN 13 : 978-93-55385-30-7

ISBN 10 : 9355385307

E-ISBN 13 : 978-93-55385-30-7

Edition : First

Pages : 308

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 548.00

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

Condition Type : New

Country Origin : India

Product Description

Construction Engineering & Management

“Construction Engineering & Management” is a field that encompasses the planning, design, construction, and management of infrastructure projects. This book typically covers various topics relevant to the construction work. It includes introduction to construction materials, methods, and techniques commonly used on construction sites. In addition, concepts such as scheduling, cost estimation, resource allocation, risk management, safe working environment, and quality control are also included.

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.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and photographs are inserted to improve clarity of the topics.
- Question are given for practice of students after every chapter.
- Solved numerical problems are illustrated in the chapters.

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
- BASICS OF CONSTRUCTUIN CONSTRUCTION PROJECT PLANNING
- CONSTRUCTUIN METHODS BASICS
- CONSTRUCTION EQUIPMENT BASICS
- PLANNING AND ORGANISING CONSTRUCTION SITE AND RESOURCES
- PROJECT MONITORING AND CONTROL
- CONTRACTS MANAGEMENT BASICS
- CONSTRUCTION COSTS
- APPENDICES
- REFERENCES FOR FURTHER LEARNING
- CO AND PO ATTAINMENT TABLE
- INDEX

Author

Sparsh Johari

Dr. Sparsh Johari Assistant Professor Department of Civil Engineering, Indian Institute of Technology Guwahati, Assam