



Civil Engineering Societal and Global Impact

Author :	Shakuntala Acharya
ISBN 13 :	978-93-55384-84-3
ISBN 10 :	93-55384-84-X
E-ISBN 13 :	978-93-55384-84-3
Edition :	First
Pages :	176
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 348.00
Categories :	AICTE Prescribed Textbooks , English Books
Condition Type :	New
Country Origin :	India



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

Product Description

Civil Engineering Societal and Global Impact This book familiarizes the students with the concept of sustainability in the context of Civil Engineering. This book includes fundamentals of sustainable development and impact of civil engineering in total of six units, as impact of Civil Engineering: An Introduction, Importance of Civil Engineering, Infrastructure, Environment, Built Environment, and Civil Engineering Projects. Main purpose of this book is to help under graduate civil engineering students to understand and apply the concepts of sustainability 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 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.
- 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 Course Outcomes Guidelines for Teachers Guidelines for Students Abbreviations and Symbols List of Figures List of Tables

- Impact of Civil Engineering: An Introduction
- Importance of Civil Engineering
- Infrastructure
- Environment
- Built Environment
- Civil Engineering Projects

References for Further Learning Index

Author

Dr. Shakuntala Acharya Assistant Professor, IIT Guwahati, Assam



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