

Architecture and Buildings

Author : A.K. Jain

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Table of Contents

1. The Basics of Architectural Design
2. Evolution of Architecture In India
3. History of Architecture and Human Settlements
4. Vastu In Modern Context
5. Translating Architectural Theory Into Design
6. Green Building
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8. Sustainable and Resilient Habitat
9. Building Resources and Technology
10. Building and Planning Codes
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12. Barrier Free Architecture
13. Bibliography



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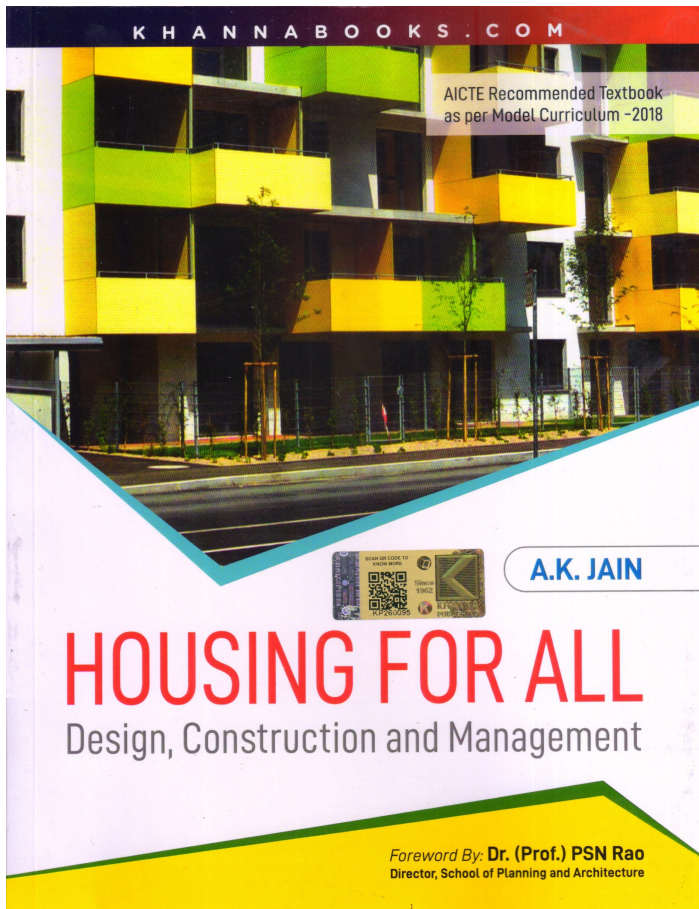
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A.K. Jain

A.K. Jain, as Commissioner (Planning) Delhi Development Authority worked on the Master Plan for Delhi-2021, National Urban Housing and Habital Policy, National Urban Transport Policy and various urban projects. He was a member of the Committee Constituted by the Ministry of Urban Development, GOI to review the statute of the Delhi Development Authority vis-a-vis the changing urban scenario and new policy initiatives. As a member of editorial Board of International Journal of Environmental Studies (UK) and is author of several books on urban development and management. He is visiting faculty at Delhi School of Planning and Architecture and other Institutes. He was awarded 2nd Urban Professional Award 2014 at World Urban Forum in Medellin, Colombia in recognition of being an exemplary city changer. Union Minister for Urban Development honored him with IBC Lifetime Achievement Award (2016).





Housing for All

Author : A.K. Jain

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Product Description

This book titled “Housing for All: Design, Construction and Management” by A.K. Jain is a comprehensive assessment of the housing situation in India which not only traces the path taken by (governments so far but also outlines a roadmap for the future. The book begins with an overview of the housing scenario in India. It discusses various housing programmes and draws a distinction between affordable housing and adequate housing. The book also draws particular attention to housing issues of special groups such as the elderly, disabled, homeless, migrant and transit workers, students and single women. There is also a discussion on the issue of social and physical infrastructure. The book notes that housing units alone do not constitute housing but infrastructure plays a critical role in the occupancy of housing. The question of reducing the cost of housing has been vexatious for long. Jain deals with this issue in detail and suggests various low-cost technologies and house building systems for making housing more affordable. Another issue is that of rental housing. Jain suggests that giving a boost to rental housing through a slew of measures can go a long way in making housing more accessible and bring vacant housing into the market.

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1. An Overview of India’s Housing Scenario 2. Housing Programmes 3. Affordable and Adequate Housing; 4. Housing Design; 5. Rural Housing 6. Slum Rehabilitation and Community Development 7. Housing Renewal and Redevelopment 8. Shelter for Elderly, Disabled, Homeless, Migrants, Women and Students; 9. Housing Amenities, Facilities and Services; 10. Building Resources and Technology; 11. Building and Housing Systems; 12. Rental Housing 13. Land for Housing; 14. Housing Finance 15. Housing Management Strategies; 16. Regulatory Reforms for Housing; Bibliography



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ENVIRONMENTAL ENGINEERING

A.K. JAIN



AICTE Recommended
Textbook as per
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Author : A.K. Jain

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Product Description

The book Environmental engineering covers a wide range of topics-water, sanitation and drainage, solid and liquid waste treatment, energy, pollution control and environmental planning. the basis of environmental engineering is the sustainability which include the ecology, climate, geology, hydrology, and infrastructure services. One of the major challenges pertains to making the cities more sustainable by environmental planning, which have been explained in detail. Several examples, explained in a simple, flowing language and more than 200 drawings and visuals give a practical focus to the book.



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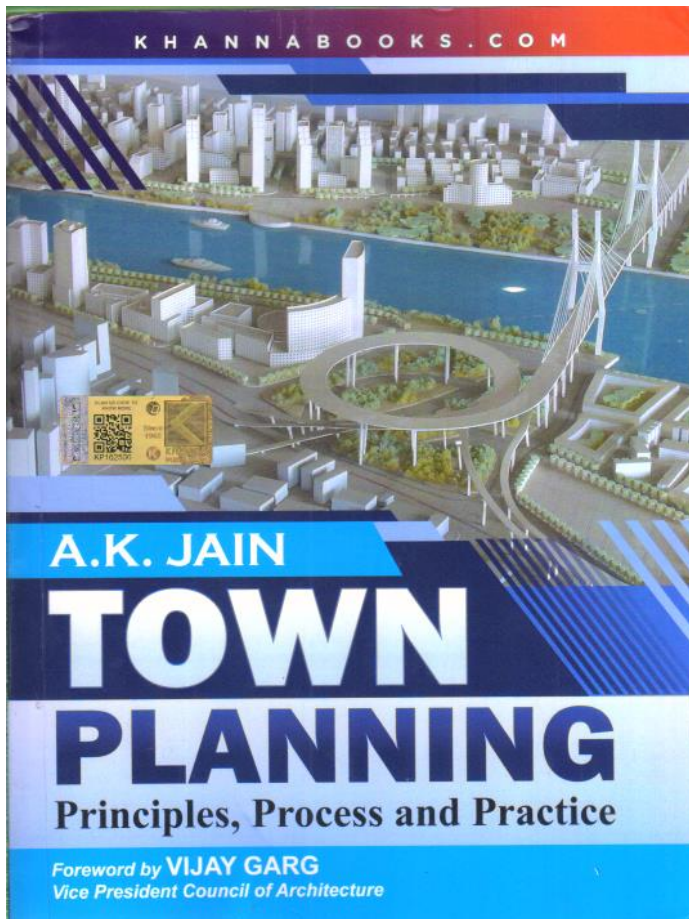
Chapter-1: An Introduction to Environmental Engineering Chapter-2: Water Chapter-3: Water Supply in Buildings
Chapter-4: Sanitation and Sewerage Chapter-5: Drainage and Storm Water Management Chapter-6: Solid Waste
Management Chapter-7: Energy Conservation and Efficiency Chapter-8: Water Pollution and Health Chapter-9:
Waste Water Treatment Chapter-10: Environmental Planning Glossary, Terms and Definition Bibliography

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Town Planning

Author : A.K. Jain

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Product Description

India's 7936 cities and town with 377 million urban population provide 60 per cent of the GDP and 70 per cent of the jobs. However, the lack of planning has resulted in unplanned growth with slums, poor urban infrastructure services, housing, transport and environment. To meet these challenges, it is necessary to understand the history, principles, concepts and process of town planning, As an interdisciplinary subject, town planning synthesises the social, cultural, economic, technical, legal, environmental and institutional dimensions.

The book 'Town Planning-Principles, Process and Practice' provide a pathway for planned urban development, which aligns with the socio-economic, environmental and technological changes, Written in a simple language with about 380 illustrations, the book is a knowledge bank for the students of planning, architecture and engineering.



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