

K H A N N A B O O K S . C O M

AICTE RECOMMENDED TEXTBOOK



ARCHITECTURE and BUILDINGS

A.K. Jain

Architecture and Buildings

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Product Description

ARCHITECTURE and BUILDINGS: An architect is defined as master builder, one who design buildings and superintends their erection, and the architecture as the art and science of the buildings. Architecture is one of the few professions which strike a balance between technical, artistic, practical, economic and social considerations. Every building is a part of ecological system and has a footprint It means taking a wide-angle view of the architecture in the context of urbanism, ecology and environment, including, bio-diversity and natural resources, water and energy. As such, architecture is changing from functional to organizational, from architectonic to urbanism and from building' provides a comprehensive and narrative on history of architecture, Indian architecture, vastu, the basic of design, green building, building resources and technology, planning and design .



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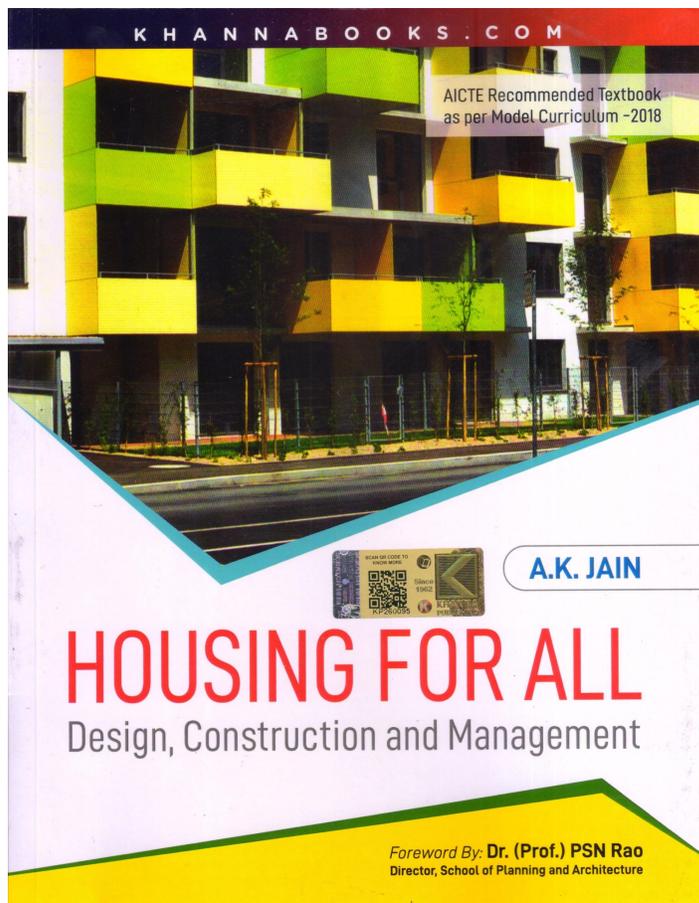
Chapter 1: The Basics of Architectural Design. **Chapter 2:** Evolution of Architecture In India. **Chapter 3:** History of Architecture and Human Settlements. **Chapter 4:** Vastu In Modern Context. **Chapter 5:** Translating Architectural Theory Into Design. **Chapter 6:** Green Building. **Chapter 7:** Building Design for Climatic and Thermal Comfort. **Chapter 8:** Sustainable and Resilient Habitat. **Chapter 9:** Building Resources and Technology. **Chapter 10:** Building and Planning Codes. **Chapter 11:** Anthropometry and Ergonomic. **Chapter 12:** Barrier Free Architecture. **Chapter 13:** Bibliography.

Author

A.K. Jain

A.K. Jain, as Commissioner (Planning) Delhi Development Authority worked on the Master Plan for Delhi-2021, National Urban Housing and Habitual 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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| Categories : | Architecture Engineering |
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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 program 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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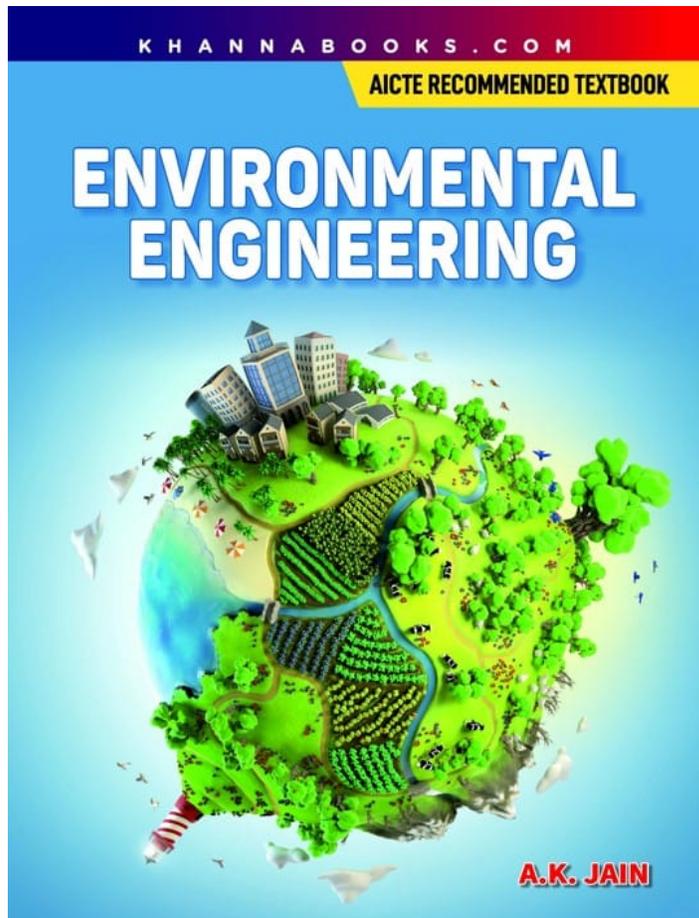
Chapter 1: An Overview of India’s Housing Scenario. **Chapter 2:** Housing Programmes. **Chapter 3:** Affordable and Adequate Housing. **Chapter 4:** Housing Design. **Chapter 5:** Rural Housing. **Chapter 6:** Slum Rehabilitation and Community Development. **Chapter 7:** Housing Renewal and Redevelopment. **Chapter 8:** Shelter for Elderly, Disabled, Homeless, Migrants, Women and Students. **Chapter 9:** Housing Amenities, Facilities and Services. **Chapter 10:** Building Resources and Technology. **Chapter 11:** Building and Housing Systems. **Chapter 12:** Rental Housing. **Chapter 13:** Land for Housing. **Chapter 14:** Housing Finance. **Chapter 15:** Housing Management Strategies. **Chapter 16:** Regulatory Reforms for Housing. **Bibliography**



Author

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).





Environmental Engineering

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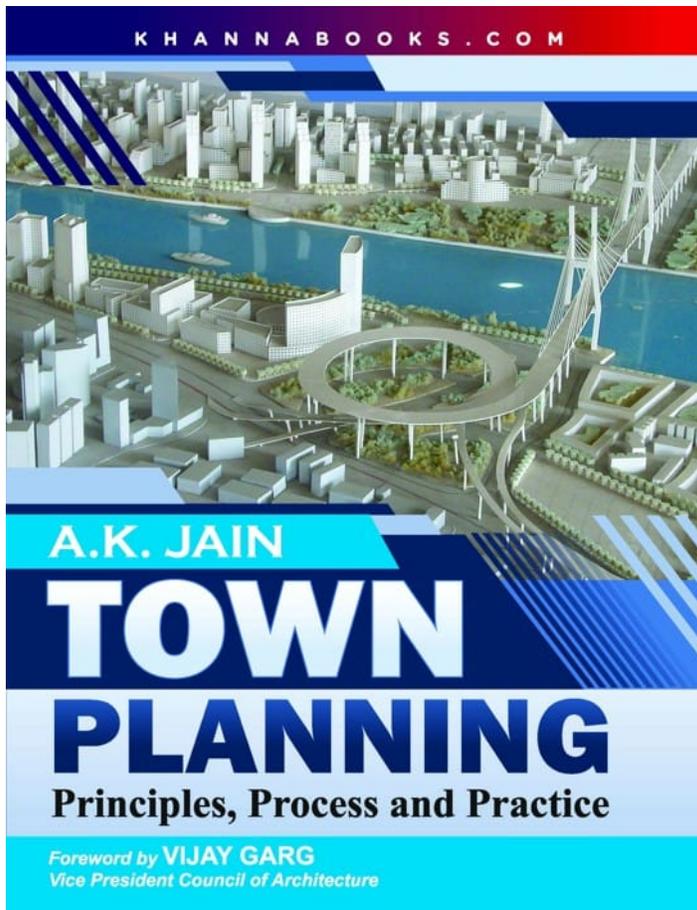
Chapter 1: An Introduction to Environmental Engineering. **Chapter 2:** Water. **Chapter 3:** Water Supply in Buildings. **Chapter 4:** Sanitation and Sewerage. **Chapter 5:** Drainage and Storm Water Management. **Chapter 6:** Solid Waste Management. **Chapter 7:** Energy Conservation and Efficiency.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

Author

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Town Planning

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|-------------------------|--|
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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 synthesis 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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Chapter 1: Introduction: Town Planning and urban Challenges. **Chapter 2:** Evolution of Town Planning. **Chapter 3:** Town Planning Surveys, mapping and Analysis. **Chapter 4:** Towards a New Planning Framework. **Chapter 5:** Planning policy and process. **Chapter 6:** Town Planning and Social Infrastructure. **Chapter 7:** Zoning Regulations Development/Building Controls. **Chapter 8:** Infrastructure Development and Management. **Chapter 9:** Urban Transport. **Chapter 10:** Housing For All. **Chapter 11:** Towards a new land Policy. **Chapter 12:** Planning a Safer and Resilient City. **Chapter 13:** Village planning. **Chapter 14:** Legal Framework for town Planning.

Author

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