



Energy Conservation in Buildings

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Product Description

This book has the basic motive to guide the postgraduate and research students working in the field of energy conservation. This is to cater the strong need felt by the students pursuing the course on energy Conservation in Buildings during their M. Tech. and PhD studies. I have tried to compress the subject matter from the view point of research students. The different simulation techniques, such as Power DOC-2, BSIM 2000, e-Quest, which are extensively used in the energy conservation in buildings, have been added for quick references.

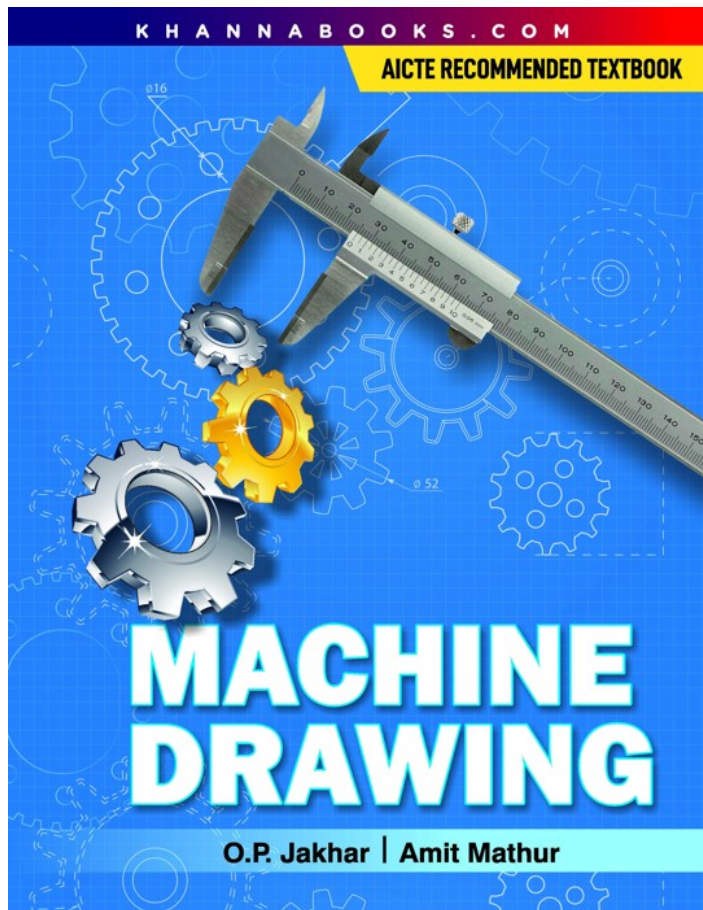
Table of Contents

Chapter 1: Introduction. **Chapter 2:** History of Energy Conservation in Building. **Chapter 3:** Simulation Techniques of Energy Conservation in Building. **Chapter 4:** Passive System of Energy Conservation in Buildings. **Chapter 5:** Passive cooling Methods for Building in Hot and Dry Climate. **Chapter 6:** Energy Auditing and Radiation Cooling of Building in hot and Dry Climate. **Reference**

Author

O.P. Jakhar Dr. O.P. Jakhar: Started his teaching carrier in 2000 as lecturer in Mechanical Engineering Department as Shri Balaji College of Engineering and Technology (SBCET, Jaipur. Further he served Stani Memorial College of Engineering and Technology, Phagi, Jaipur and Ajmer Institute of Technology, Ajmer as Senior Lecturer. Dr Jakhar joined Maharana Pratap University of Agriculture and Technology, Udaipur as Assistant Professor in 2005. At Presently he is serving at Govt. Engineering College, Bikaner as Associate Professor in Mechanical Engineering department since 2008. His areas of interested are Heat Transfer, Fluid Mechanics and Machines, Steams Power and Thermal Engineering. Dr. Jakhar is life member of ISTE and Indian Geological Congress (IGC) he has guided 10 M.Tech. dissertations and published more than 40 research papers. Dr. O.P. Jakhar got commissioned as Lieutenant in NCC in 2005 and presently he is serving as Captain at 7 Raj. BN. NCC, Bikaner.





Machine Drawing

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Product Description

This book is Designed for the students of Engineering and Technology as well as specially for Mechanical Engineering Degree and Diploma students. The teaching of this course faces difficulty in explaining the various concept of machine drawing viz., orthographical projection, sectioning, complicated mechanical assembly drawing etc. Sometimes explanation requires some three dimensional and complicated drawing to be drawn on the black board which is quite impossible due to the time constraint of class. This book is an outcome of the strong need felt by students offering the course and the teaching need felt by us. The teacher can explain the related concepts, drawing methods and uses of various parts being drawn etc. in each practical class without bothering the black board. The subject matter has been compressed from the view point of Mechanical Engineering students. The book also contains Basic Drawing Softwares which describes about the basics of Auto-CAD, CATIA, PROE, ANSYS etc. which is useful for today's need of Engineering & Technology.



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Table of Contents

Chapter 1: Basic of Machine Drawing. **Chapter 2:** Sectional Views. **Chapter 3:** Rivets and Riveted Joints. **Chapter 4:** Screw Threads and Fasteners. **Chapter 5:** Bearings & Shaft Coupling. **Chapter 6:** Assembly Drawing. **Chapter 7:** Power Transmission Drives. **Chapter 8:** Basics Drawing Software.

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Dr. O.P. Jakhar: Started his teaching carrier in 2000 as lecturer in Mechanical Engineering Department as Shri Balaji College of Engineering and Technology (SBCET, Jaipur. Further he served Stani Memorial College of Engineering and Technology, Phagi, Jaipur and Ajmer Institute of Technology, Ajmer as Senior Lecturer. Dr. Jakhar joined Maharana Pratap University of Agriculture and Technology, Udaipur as Assistant Professor in 2005. At Presently he is serving at Govt. Engineering College, Bikaner as Associate Professor in Mechanical Engineering department since 2008. His areas of interested are Heat Transfer, Fluid Mechanics and Machines, Steams Power and Thermal Engineering. Dr. Jakhar is life member of ISTE and Indian Geological Congress (IGC) he has guided 10 M.Tech. dissertations and published more than 40 research papers. Dr. O.P. Jakhar got commissioned as Lieutenant in NCC in 2005 and presently he is serving as Captain at 7 Raj. BN. NCC, Bikaner. **Amit Mathur** is presently Assistant Professor & Head in the Department of Mechanical Engineering at Govt. College of Engineering & Technology, Bikaner. He has done B.E.(Mechanical Engineering) from Govt. Engineering College, Ajmer and M.E. (Manufacturing Technology) from NITTTR, Chandigarh. He has an experience of more than 10 years in the field of Teaching & Research. He has published more than 06 papers in National Conference Proceedings & Journals. He is also an Associated member of Institution of Engineers India.

