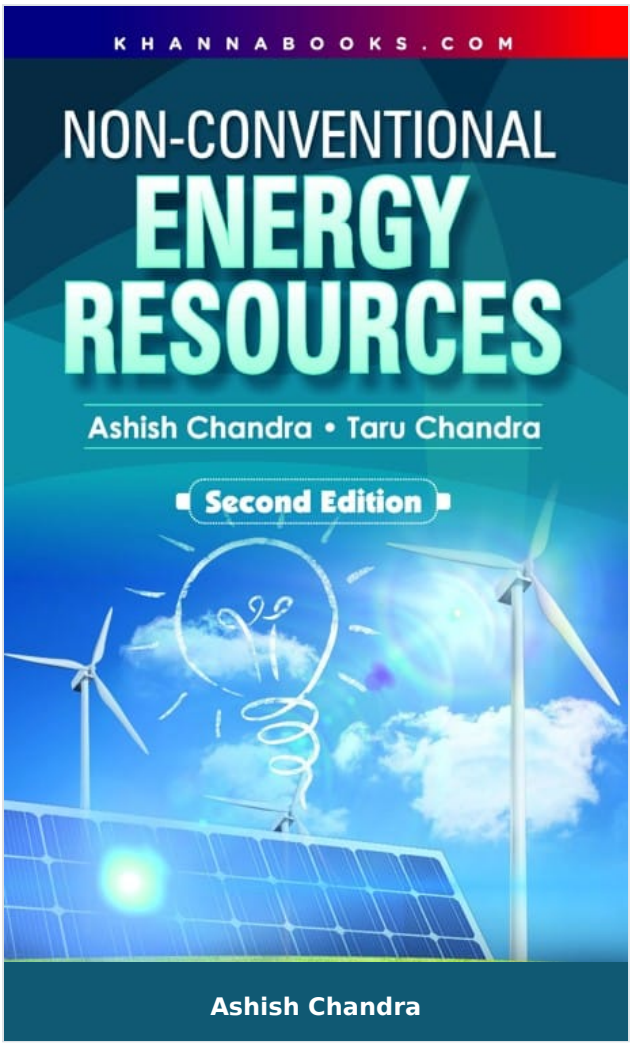


Non Conventional Energy Resources

Author :	Ashish Chandra
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Edition :	Second
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Product Description

This book covers all the details of various types of non conventional energy technologies such as solar energy, wind energy, biomass energy, tidal energy etc and their applications in a comprehensive manner. The book is designed to serve all the engineering students of undergraduate level.

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Table Of Contents

- Chapter-1: Introduction to Non-conventional Sources of Energy
- Chapter-2: Photovoltaic Solar Systems
- Chapter-3: Solar Radiations and its Measurement
- Chapter-4: Solar Collectors
- Chapter-5: Solar Thermal Energy Storage
- Chapter-6: Solar Thermal Power
- Chapter-7: Geothermal Energy
- Chapter-8: Magneto-hydro-dynamic(MHD) Power Generation
- Chapter-9: Fuel Cells
- Chapter-10: Thermoelectric and Thermionic Conversions
- Chapter-11: Wind Energy
- Chapter-12: Biomass Energy
- Chapter-13: Ocean Thermal Energy Conversion
- Chapter-14: Tidal Energy
- Chapter-15: Wave Energy
- Chapter-16: Energy Conservation
- Chapter-17: Other Applications of Solar Energy

Author

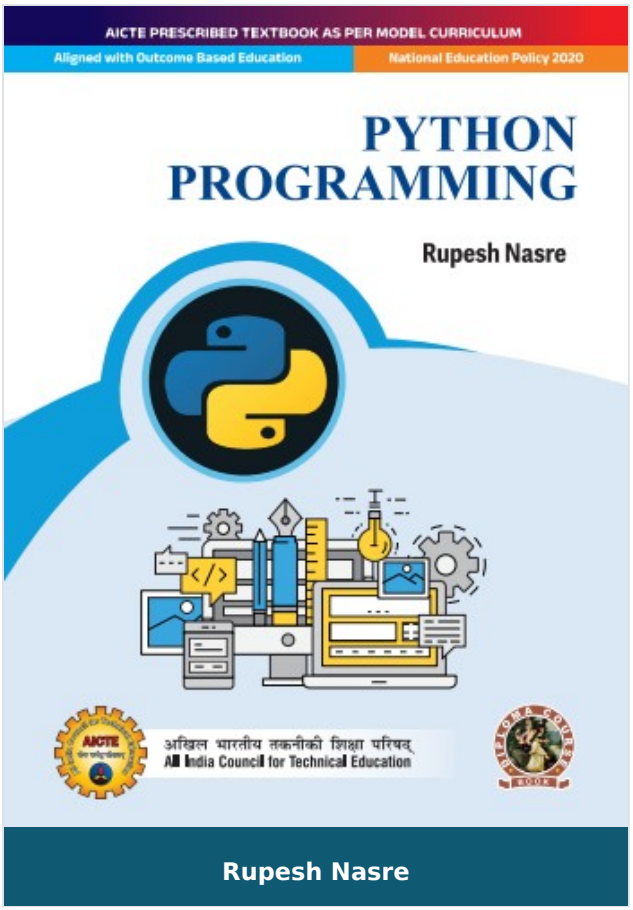
Ashish Chandra

Ashish Chandra

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Python Programming

Author :	Rupesh Nasre
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E-ISBN 13 :	978-93-55387-45-5
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Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 258.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Python Programming

Python is the most popular programming language today. This book gently guides you to explore the world of python programming via simple examples. The focus of this book is on problem solving rather than introducing syntax. The problems have been carefully designed to introduce concepts, and to also keep the readers interested. Towards the second half, the book provides a flavor of the real-world applications, expanding the view of the learners.

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
- Introduction, Variables, and Data Types
- Control Structures
- Functions, Modules, and Packages
- Files and Regular Expressions.
- Django Framework
- References for Further Learning
- Co and PO Attainment Table
- Index

Author

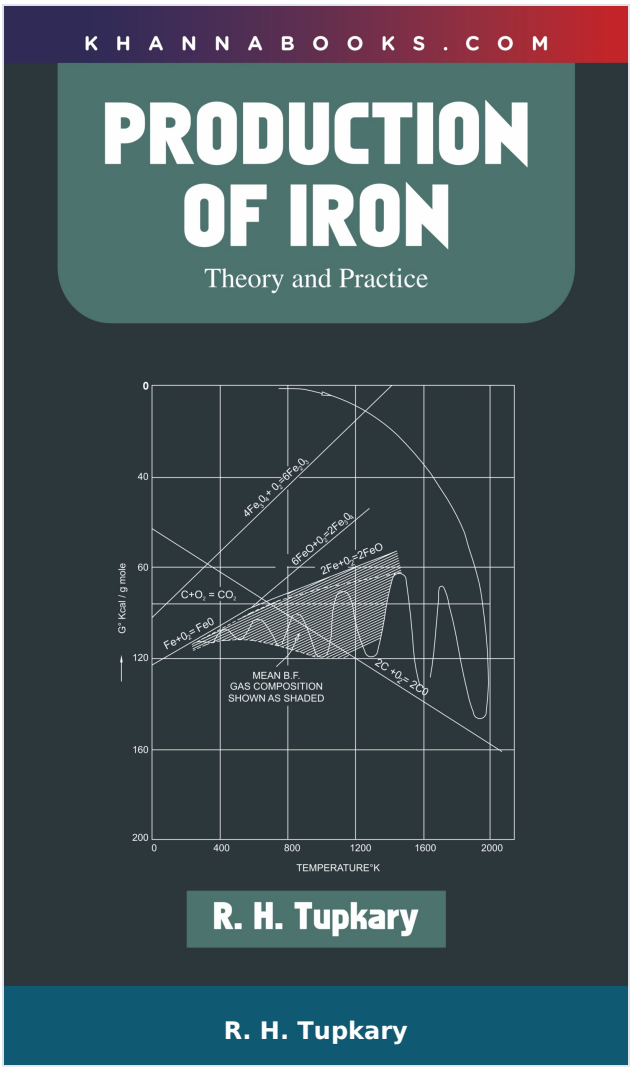
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Production of Iron (Theory and Practice)

Author :	R. H. Tupkary
ISBN 13 :	978-93-55380-25-8
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E-ISBN 13 :	978-93-55380-25-8
Edition :	First
Pages :	488
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Product Description

Production of iron (Theory and Practice)"A good slag designer is essential for production iron efficiently" "In engineering and technology what can not be measured can not be controlled to improve the quality"

After getting proper training at the university of Melbourne in the field of iron and steel making, in the period 1962-65, and after working as faculty member at Banaras Hindu university , first as lecturer and then as reader, Dr. RH Tupkary moved to visvesvaraya National institute of technology, Nagpur as professor, in 1970. He always wished to write books on iron and steel making but being very busy in RSS activities he could not find time to do that. What prevented him from writing the book, He wrote the book titled “introduction to modern steelmaking” when he was confined in Nagpur central jail during the emergency of 1975-1977. It was the first ever book on steelmaking written in independent India. It was extremely well appreciated then and since then till to date for over 44years now. It was designed to cater to the needs of Indian students of metallurgical engineering and practicing steel makers, in those days. But it was very well received all over the world. The title and therefore the contents were so chosen that it was the introduction to the subject in those days, when steel was made in India more as an art rather than based much on the science and technology. It was because the steelmaking technology was still in its infancy in India at that time. The production was also not much. The steelmakers then worked in steel industry more as operators than scientists.

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Table Of Contents

- Irons.
- Evolution.
- Blast Furnace Complex.
- Refractory Lining.
- Raw Materials- 1 Iron Ores and Coals.
- Raw Material-2 Coke.
- Burden Distribution.
- Burden Preparation-1 Treatment of iron Ores.
- Burden Preparation-2 Sintering.
- Burden Preparation-3 Pelletization.
- Characterisation of Charge.
- Principles.
- Construction.
- Operation.
- Irregularities.
- Off-gas-Cleaning and Utilization.
- Slag and Metal.
- Efficiency.
- Modern Design And Practice.
- Operation Control.
- Alternative Routes-1 Low Shaft and MBF.
- Alternative Routes-2Electro-Thermal Processes.
- Alternative Routes-3 Sponge Iron Production.

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- Alternative Routes-4 Smelting Reduction (SR).
- Appendix
- References
- Index

Author

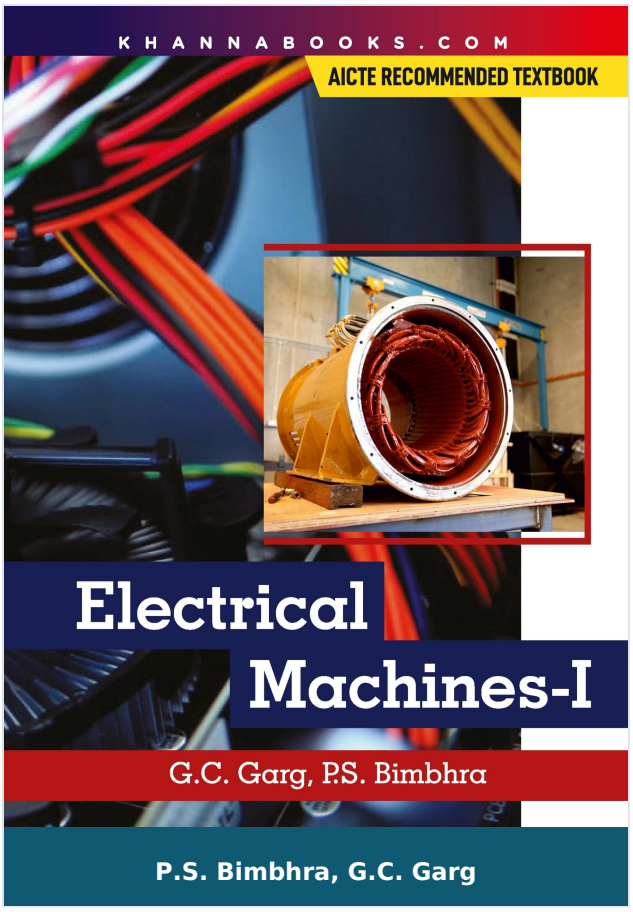
R. H. Tupkary

Dr. R. H. Tupkary graduated in Met. Engg. from Bananas Hindu University in 1959 in first class and was placed at third position in merit list. He completed M.Eng.Sci. and Ph.D. from University of Melbourne in 1963 and 1966 respectively. He worked as a lecturer in Met. Egg. during 1959-62 and Reader during 1966-1970 period in BHU and then joined Visvesvaraya Regional College Engineering, Nagpur as Professor and later became head and voluntarily retired in 1994. Dr. Tupkary is a recipient of Binani Gold Medal of Indian Institute of Metals in 1972 and Distinguished Alumnus Award of BHU in 1988. He has published several technical papers and is more known for his two books, one on Steel Making and the other on Iron Making which are very popular textbooks of the subjects since 1977. Out of these two books, "Steel Making" was written when he was confined in Nagpur Central Jail during the emergency period of 1975-77. During his tenure as professor in VRCE, he was actively associated with Nagpur University, through its various academic and administrative bodies as their elected member. He has also worked as Managing Director of one Marathi daily published from Nagpur during the period 1994-97. He is committed social worker and is associated with varieties of such activities at and around Nagpur.

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Electrical Machines - I

Author :	P.S. Bimbhra, G.C. Garg
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Product Description

This book is written so that it serves as a text book for B.E./B. Tech degree students in general and for the institutions where AICTE model curriculum has been adopted.

TOPICS COVERED IN THIS BOOK:-

1. Magnetic field and Magnetic circuit

2. Electromagnetic force and torque

3. D.C. Machines

4. D.C. Machines-Motoring and Generation

SALIENT FEATURES:-

1. Self-contained, self-explanatary and simple to follow text.

2. Numerous worked out examples.

3. Well Explained theory parts with illustrations.

4. Exercises, objective type question with answers at the end of each chapter.

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Table Of Contents

- Chapter-1: Magnetic Fields and Magnetic Circuits
- Chapter-2: Electromagnetic Force and Torque
- Chapter-3: The Direct Current Machines
- Chapter-4: DC Machine-Motoring and Generation
- Chapter-5: Transformers

Author

P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

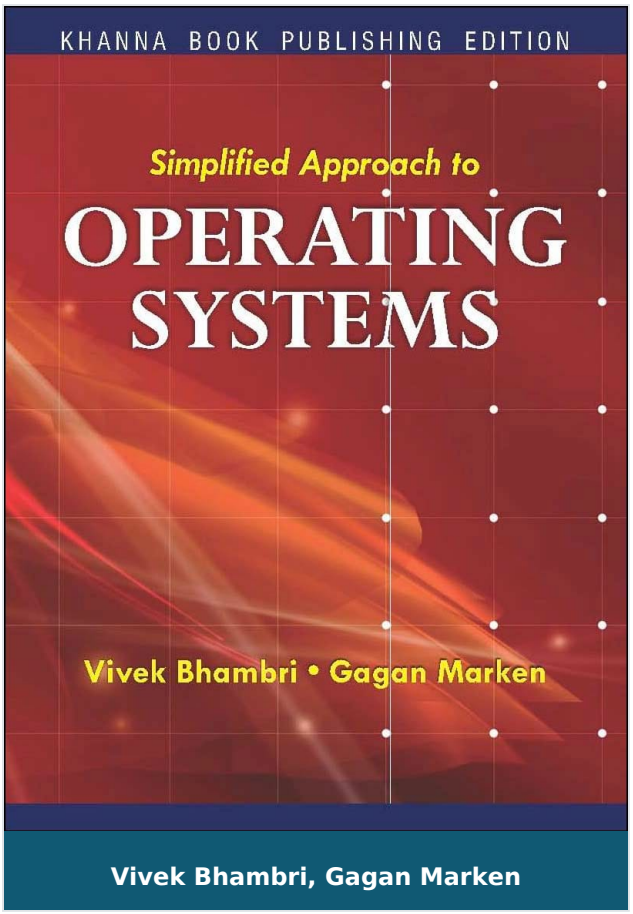
G.C. Garg

Prof. G.C. Garg retired as registrar from the Technical Education Department Haryana, Chandigarh. Before that he was Head of Deptt. In Electrical Engineering at Govt. Institution of Engineering Ambala City, Haryana. After Graduation in Electrical Engineering he has gone 2½ years regular advance course in Electrical Engineering with specialization of Electrical Machines in T.T.T.I. Chandigarh in collaboration with Netherlands Govt. under the guidance of Prof. B. Mone who was authority in Electrical Machines and Electrical Power. He has also undergone one and a half year Industrial/Power Projects/Field and Transmission & Distribution Power Stations. He is fellow of the Institution of Engineers (India).

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Simplified Approach to Operating Systems

Author :	Vivek Bhambri, Gagan Marken
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Product Description

The book 'Simplified Approach to Operating Systems' is designed as a basic text book for computer science students at Post Graduation and under Graduation levels. It explains the technical concepts of operating systems in simple and easily understandable language. It does not bind the reader to one particular operating system, rather explains the concepts in general. It covers the complete syllabus of MCA,BCA, B. Tech and M.Sc. (IT) courses of all Indian Universities.

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Table Of Contents

- Introduction To Operating System
- Type Of Operating System
- Process Management
- CPU Scheduling
- Deadlocks
- Process Synchronization
- Memory Management
- Virtual Memory
- File Management
- Device Management
- Protection & Security
- Distributed File System
- Case Study On disk Operating System (DOS)
- Case Study On Windows Operating System
- Case Study On Unix
- Case Study On Linux Operating System
- Multiple Choice Questions
- Model Question Papers

Author

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Vivek Bhambri is working as Head, Department of Computer Sciences at Desh Bhagat Institute of Management and Computer Sciences, Mandi Gobindgarh (Punjab). He has a

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total teaching experience of 10 years. He is pursuing his research in the field of data mining. His areas of interest include Data Mining and Computer Architecture. He has published more than 20 research papers in International and National Journals.

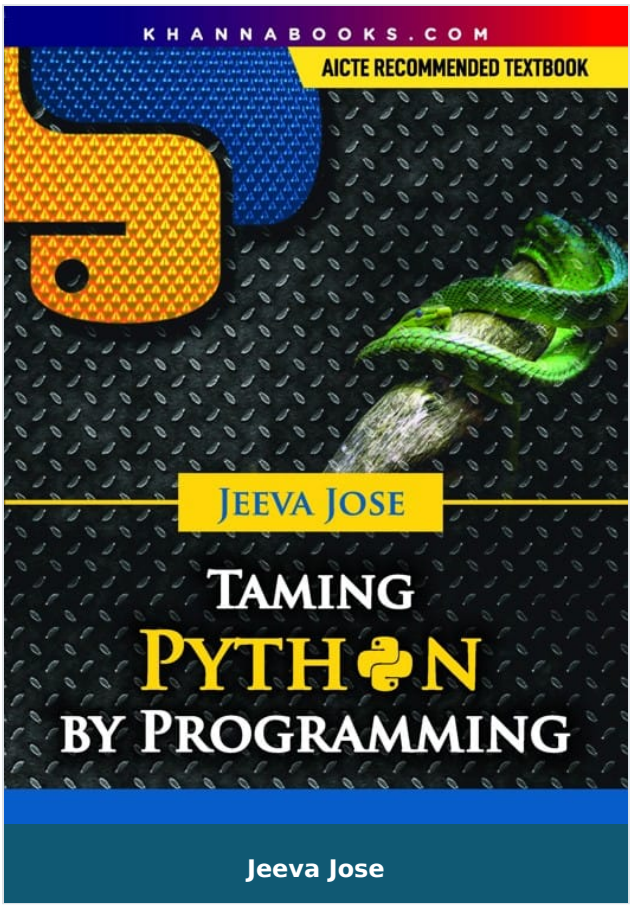
Gagan Marken

Gagan Marken is working as Assistant Professor, in Computer Sciences Department at Desh Bhagat Institute of Management and Computer Sciences, Mandi Gobindgarh, (Punjab). He has a total experience of 12 years in the Industry and Teaching. He has published more than 20 papers in International and National Journals.

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Taming PYTHON By Programming

Author :	Jeeva Jose
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Product Description

This is a great book for Python Beginner and Advanced Learner which covers Basics to Advanced Python Programming where each topic is explained with the help of Illustrations and Examples. More than 450 solved programs of this book are tested in Python 3.4.3 for windows. The range of Python Topics covered makes this book unique which can be used as a self study material or for instructor assisted teaching. This books covers Python Syllabus of all major national and international universities. Also it includes frequently asked questions for interviews and examination which are provided at the end of each chapter.

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Table Of Contents

- Introduction to Python
- Data Types and Operations
- Flow Control
- Functions
- Modules and Packages
- File Handling
- Object Oriented Programming
- Exception Handling
- Regular Expressions
- Database programming
- Iterators,Generators and Decorators
- GUI Programming
- Multithreading
- CGI Programming
- Socket Programming
- Index

Author

Jeeva Jose

Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various

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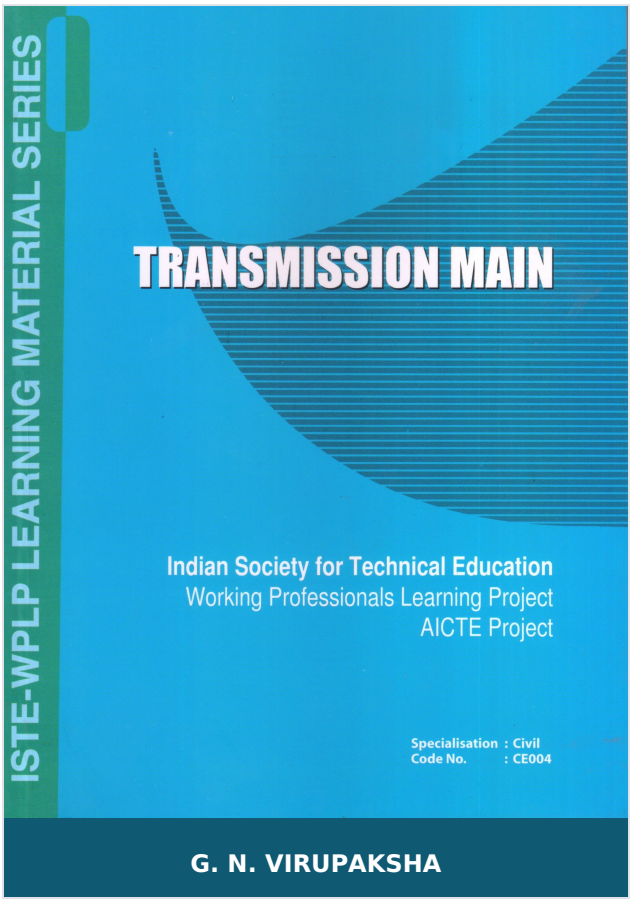
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refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

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Transmission Main

Author :	G. N. VIRUPAKSHA
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Country Origin :	India

Product Description

Water is essential commodity for the survival of life. Providing safe drinking water of adequate quantity for this purpose. Water supply system involves transmission of water from source to area of consumption safely. Transmission Main account for the appreciable part of capital outlay of water system and hence careful consideration of techno-economics is called for while designing the transmission main.

This learning material "Transmission Main" clearly mentions selections of pipe material, advantages and disadvantages, optimization of size of main, design criteria and need for protection of pipeline against transient pressure and also procedure for laying and maintenance of pipeline,.

This learning material is useful for practicing engineers, administrators and any other authority that are responsible for water supply and irrigation activities.

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Table Of Contents

- PREFACE
- Introduction To Transmission Main.
- Pipe Material Selection.
- Optimization of Transmission Main.
- Transmission Main Design.
- Criteria of Selection of Pumps.
- Surge Protection System.
- Flow Measurement System.
- Laying of Pipes.
- maintenance
- of Transmission system.

Author

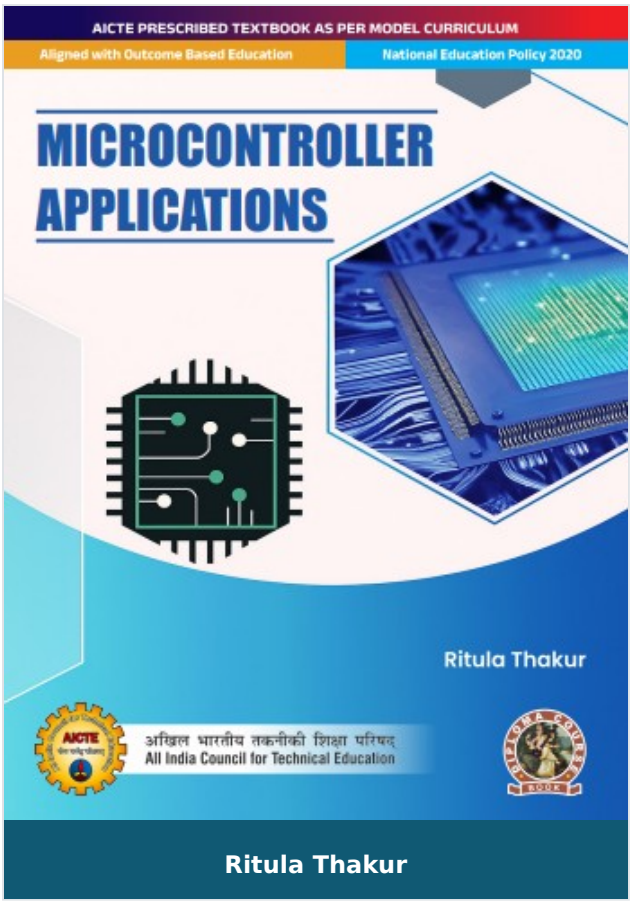
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Microcontroller Applications

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Product Description

Microcontroller Applications

The Microcontroller Applications has been designed to serve as a textbook for diploma students enrolled in Electrical, Electronics, and Instrumentation & Control branches. It will also serve well as reference to engineers and hobbyists working with the 8051. The detailed coverage of this book includes an introduction microcontroller, history of development of microcontrollers. It mainly covers 8051, along with its architecture and pin diagram. Assembly language programming of 8051 has been covered in detail gaining insight into how instructions are classified. A special chapter has been dedicated to Embedded C programming for the 8051 microcontroller, delving into essential aspects crucial for programming for embedded system. The book also explores various software development tools required for developing projects based on Assembly language and Embedded C programming of 8051.

Salient Features

- Introduction to 8051 microcontroller, its architecture, pin Diagram and SFRs.
- Classification of instructions for 8051 and detailed programs with explanation.
- Advanced concepts such as Timer/Counters, Serial Communication, Interrupts.
- Step-by-step guide to create Hex file using Keil Compiler.
- Detailed steps guidance for burning Hex file into microcontroller using Flashmagic.
- Unit-wise summary to revise important points highlighting key points of each unit.
- QR codes in each chapter to give student more insight into the subject.

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Table Of Contents

- Foreword
- Dedication
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Figures
- Introduction to microcontrollers
- Architecture of 8051 Microcontroller
- Instruction set and Programs
- Embedded C Programming for 8051
- Internal peripherals and Related programs
- References
- CO and PO Attainment Table
- Index

Author

Ritula Thakur

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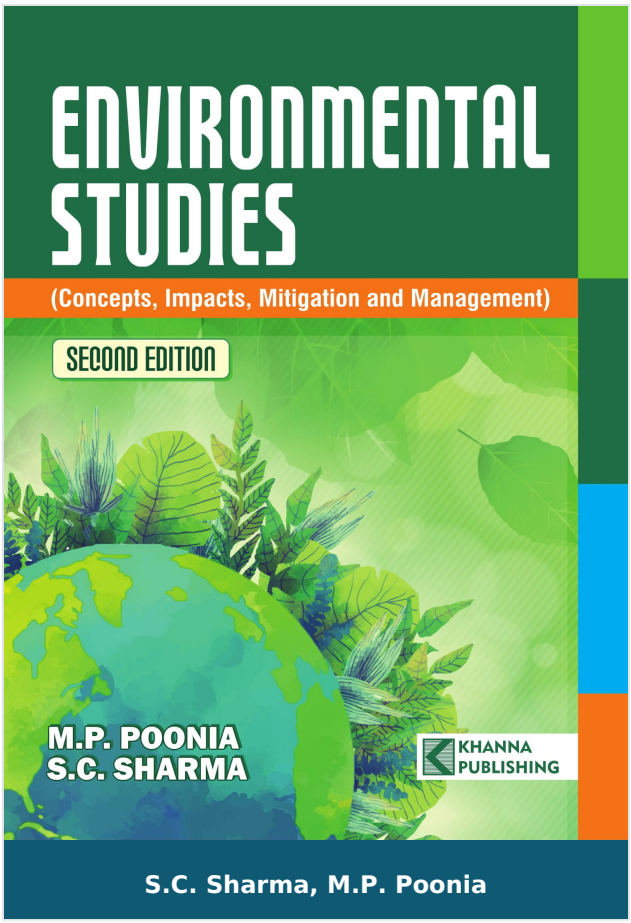
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Environmental Studies

Author :	S.C. Sharma, M.P. Poonia
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Product Description

Environmental degradation has been a major concern since past few decades, because of economic growth and development across the world has caused major impacts on the Earth's ecosystems and natural resources to an extent that can limit the well-being of future generations.

India has recently started realizing the importance of environment and the environmental education. Following the 2001 Supreme Court directive, the environmental education has been or is being included in the curriculum right from the school stage to the College/ University level.

This book covers the syllabi of all Indian Technical Universities and other Universities for different disciplines, may it be in the name of environmental studies, environmental science, ecology or natural resource management. This book is written to bring about an awareness of a variety of environmental concerns and deals from concepts through impacts, mitigation auto management.

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Table Of Contents

- An Introduction (Multidisciplinary Nature of Environmental Studies)
- The Earth and The Biosphere (Earth Sciences)
- Ecology
- Ecosystems
- Biodiversity and Conservation
- Natural Resources
- Forest Resources
- Water Resources
- Mineral Resources
- Land (Soil) Resources
- Energy Resources
- Food Resources
- Environmental Pollution (Hazards) and Control
- Waste Management
- Disaster Management
- Social Issues
- Environmental Challenges
- Human Pollution and The Environment
- Resettlement and Rehabilitation (R & R)
- Environmental Protection
- Environmental Legislation
- Environmental Impact Assessment (EIA)
- Environmental Management and Environmental Management Plan (EMP)

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- Objective Type Question

Author

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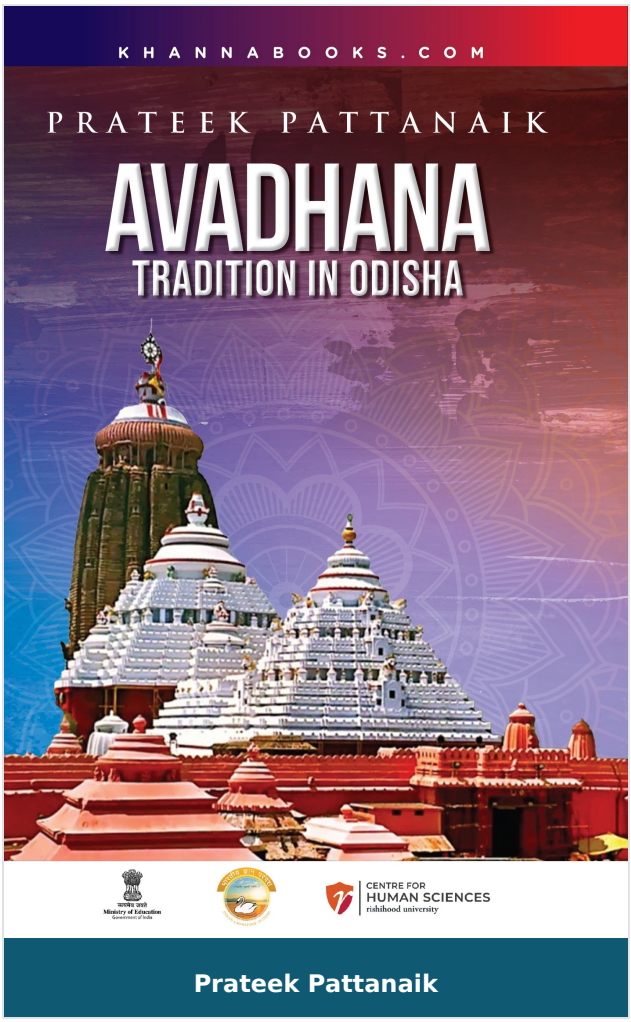
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Avadhana (Tradition in Odisha)

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Product Description

In the vibrant history of India's cultural and intellectual heritage, the tradition of Avadhana in Odisha stands as a lesser-explored yet profoundly rich chapter. Rooted in simultaneous handling across subjects and an intensive depth of knowledge, Odisha's Avadhana tradition is a unique amalgamation of intellectual prowess and cultural nuances. This book, titled “Avadhana Tradition in Odisha” endeavors to unravel the historical, cultural, and individual dimensions of this exceptional practice. While Avadhana is celebrated across the Indian subcontinent, the Odisha tradition distinguishes itself through its distinct categories of Avadhana, each demanding a unique level of expertise. The rare 100 Abadhana, alongside the more common 8, 10, 12, and 18 Abadhanas, forms a compelling aspect of Odisha’s Avadhana landscape. Furthermore, the book seeks to shed light on extraordinary memorizers called Srutidhara-s who epitomize the intellectual acumen embedded in this tradition. Eminent Avadhanis of Odisha, such as Upendra Bhanja and Kabibhusana Gopinatha Patra, have played pivotal roles in preserving and advancing this cultural gem. Through meticulous examination, the book will showcase the finer classifications within Sangitavadhana, revealing how poetry, mathematics, games, and concentration converge in a harmonious symphony. The book’s rationale extends beyond mere documentation. It aims to explore the meticulous examination process, the rigorous tests in each subject, and the unique role of Mukti Mandapa pandits as high supervisors, offering readers a comprehensive understanding of the intricate Avadhana vi tradition of Odisha. Moreover, the flexibility in language choice—Sanskrit, Odia, or both-further distinguishes Odisha’s Avadhana practices. As the reader delves into the pages of this book, they are taken through the multilingual, multilayered world of Odisha’s Avadhana. The meticulous examination of subject-wise tests, the integration of theory and application, and the extraordinary Avadhana experiences will collectively weave a narrative that not only preserves the tradition’s legacy but also invites a renewed appreciation for the intellectual and cultural finesse intrinsic to Odisha’s Avadhana

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Table Of Contents

- Introduction
- Historical Context of Avadhana in odisha
- Varied Avadhana Categories in Odisha
- Notable Avadhanis of Odisha
- Fine Classification in Sangitavadhana
- Tests and practices in avadhana Subjects
- Shastra and Prayoga in Odisha’s Avadhana Tradition
- Multilingual Avadhana and Liberty of Subject Choice
- The Rigorous Examination Process
- The Role of Mukti Mandapa Pandits
- Acharya Tarini Patra’s Extraordinary Avadhana
- Conclusion

Author

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Prateek Pattanaik is a researcher and a Musician. an Odissi vocalist and Binakara, he was initiated into music by his grandmother, then continued training under Guru Brundabana Khandual and finally Pt Ramarao Patro, in the lineage of early 20th-century maestro 'Astabadhani Acharjya' Tarini Charan Patra. He is currently engaged as a research scholar on the 17th-century treatise 'Sangitanarayana' in the Department of Odia, Berhampur University. His work primarily delas with palm leaf manuscripts, early gramophone records and neglected musical forms across the state. He is the author of two books on Odissi music and the Odia Language.

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