Total Quality Management and Reliability

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Product Description

Total Quality Management is an integrated approach in satisfying customer needs in totally on a continuous basis, through involvement of each and every employee in the organization, making continuous improvement on one side and an appropriate cost-effective technology on the other side. It is management philosophy for professional excellence that too through customer orientation. With the rapid advancement in technology and awareness, the users (Customers) have become highly quality conscious and demands quality, reliability and safety in product and service. In view of this, industries need to upgrade their quality continuously. Product and service quality requires managerial, technological and statistical concepts which are the major functions of an organization. The concepts like strategic management, competitive bench marking, self-managing teams, getting it right first time, zero defects, employee empowerment are important as they move towards Total Quality Management (TQM)in simple and easy to understand language. The book is divided in to parts, part-I cover the principles and practices of TQM, while part-II covers the tools and technology of TQM. The book covers the syllabi of various universities and therefore, should serve the needs of students of business administration and those of engineering, technology, and related disciplines. The professionals too will find this book to be a valuable reference in the field. INSIDE THE BOOK PART-1: PRINCIPLES AND PRACTICES · Quality Concepts ·Total Quality management Concepts (TQM Concept) ·Quality Planning ·Organizing (Leadership) for Quality ·Continuous Process Improvement ·Customer Satisfaction ·Supplier Partnership ·Performance Measures ·Quality Gurus(Pioneers) of Total Quality Philosophy PART 2: TOOLS AND TECHNIQUES ·TQM Tools and Techniques-1 ·TQM Tools and Techniques-2 ·Fundamentals of Statistics ·Acceptance Sampling and O. C. Curves ·Statistical Process Control and Control Charts ·Process Capabilities ·Reliability Quality Management System

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Authors

M.P. POONIA: Born on 7th July 1959 in a small village of Rajasthan state in India, Prof. M.P. Poonia is specialized in the field of Mechanical Engineering (IC Engines, Gas Dynamics, Ref. & AC), Renewable Energy and Sustainable development. He is M. Tech (Mech.) and Ph. D (Thermal Engg.) from Indian Institute of Technology. Delhi. HE possesses more than 30 years of total experiences, out of which 6 years as principal of Govt. Engg. College, Bikaner (Rajasthan) and 1 year and two months as dean, Planning and Development in MNIT, Jaipur, (Rajasthan). He has published 80 papers in National and international journals and published/edited 8 books and manuals in the field of mechanical Engineering. He has the member of IEI, ISTE & Society of Automotive Engineers. Prof. Poonia is also a Google scholar. On 20th July, 2012 to 18th January, 2017, Prof. Poonia took up the responsibility of vice-chairman, All India council For Technical Education (AICTE). New Delhi. During the period from 20th July, 2012 to 18th January, say around a period of 41/2 year, prof. Poonia served as a director, national Institute of Technical Teacher Training and Research (NITTTR), established by ministry of human Resource Development, Govt. Of India, Chandigarh (India). Prof. Poonia made significant contribution as a Director, NITTR and Chandigarh for the growth and development of technical education in the northern state of India and to conduct the sub-regional and in-country programmes in collaboration with Colombo Plan Staff College for Technician Education, Manila, Philippines. Under his able leadership, the institute has to its credits, the conduct training Programme for Nigeria. He has undertaken the projects sponsored by All India Council for Technical Education, Dept. Of science and Technology, Delhi and Govt. of Rajasthan and MHRD, Govt. of India. He is the recipient of many Awards for his academic achievements and National Award for the Empowerment of persons with Disabilities – 2013 by the Hon'ble President of India on 3rd December, 2013 in New Delhi in recognition of outstanding performance in the field on Best Institution for Empowerment of Persons with Disabilities in the country. During his tenure as a director, NITTR, Chandigarh, he remained member of Board of Governors of, as many as 20 government/Autonomous bodies/Universities in the state of Punjab, Haryana, Himachal Pradesh, Delhi and Chandigarh. He has visited many countries like USA, China, Canada, Thailand and Singapore & Sri Lanka. **S.C. SHARMA**: After completion of graduation in 1966, joined as a Lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including teaching and management of projects in India and abroad in different capacities. While working in hydropower projects for more than 15 year, he was actively associated with various environmental and Rehabilitation & Resettlement issues and successfully resolved various complicated issues. He has also worked as a consultant for matters related to safety, environment, and R&R. He is a member of IE (India) and AIMA. He has written about a dozen books on subject related to engineering and management including management of projects.

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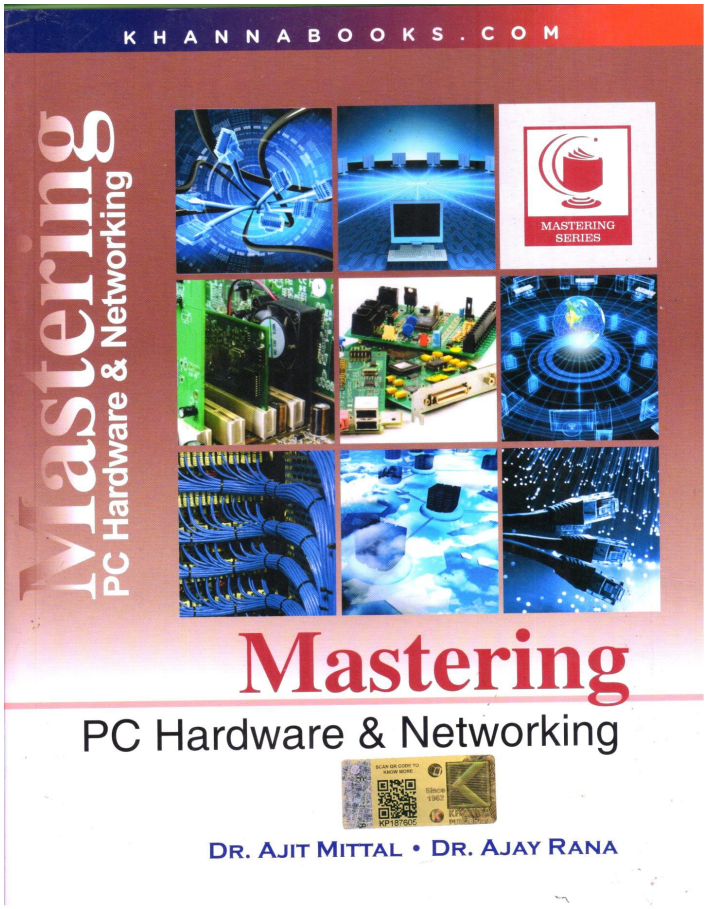

Mastering PC Hardware & Networking

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Product Description

Hardware and networking from the basic cores of the computer knowledge, not only for the users but also for the people who are there to take care of the computer system. They are the ones who would become Hardware Engineers. Networking is another important aspect of the computer system. In fact, it forms the base for internet. In this book various aspects of networking are covered. Starting from various types of topologies, it goes on to trace the security, architecture, connectivity and administration, etc. The book ends up with a chapter on wireless networking.

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Authors

Dr. Ajit Mittal "Dr. Ajit Mittal M. Com. Ph.D. (U.P) MBA (Finance) Professor, Amity International Business School, Amity University , Noida."

Dr. Ajay Rana

Professor, Department of Computer Science & Engineering Dean and Director, Amity University

1. 30+ patents under his name in the field of IoT, Network & Sensors. 2. 279+ Research publications. 3.Co-authored 6 Books. 4. Completed 30 Sponsored Research Projects. 5. Senior member, Academic Council & Executive Council, Amity University. 6. Strong corporate connect.

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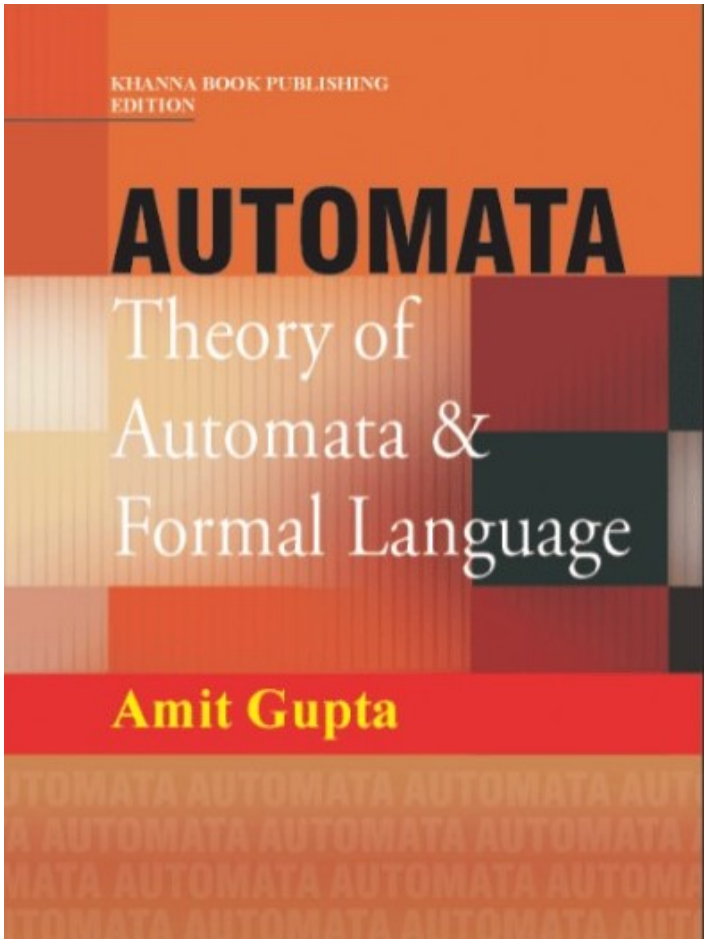

Theory of Automata and Formal Languages

Author :	Amit Gupta
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Product Description

Easy-to-read & write style. A step-by-step solution of DEA & NFA approach that is used in almost all DFA & NFA approach that is used in almost all DFA & NFA examples in chapter 03 (Finite State Machine). Every chapter is supported with multiple choice questions, theoretical questions and numerical for better practice. Due care in taken to balance the mix of notations and words in mathematical statements. The book is presented with an approach to explain the concepts in lucid style and comprehensible language. A large number of attractive and accurate figure and graphs have been drawn which enable students to grasp the subject in an easy way. Systematic and sequential arrangement of different topics. Rich pedagogy.

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Author

Amit Gupta Amit Gupta: Asst. professor, Determent of CS & IT, Rakshpal Bahadur Management Institute, Bareilly.

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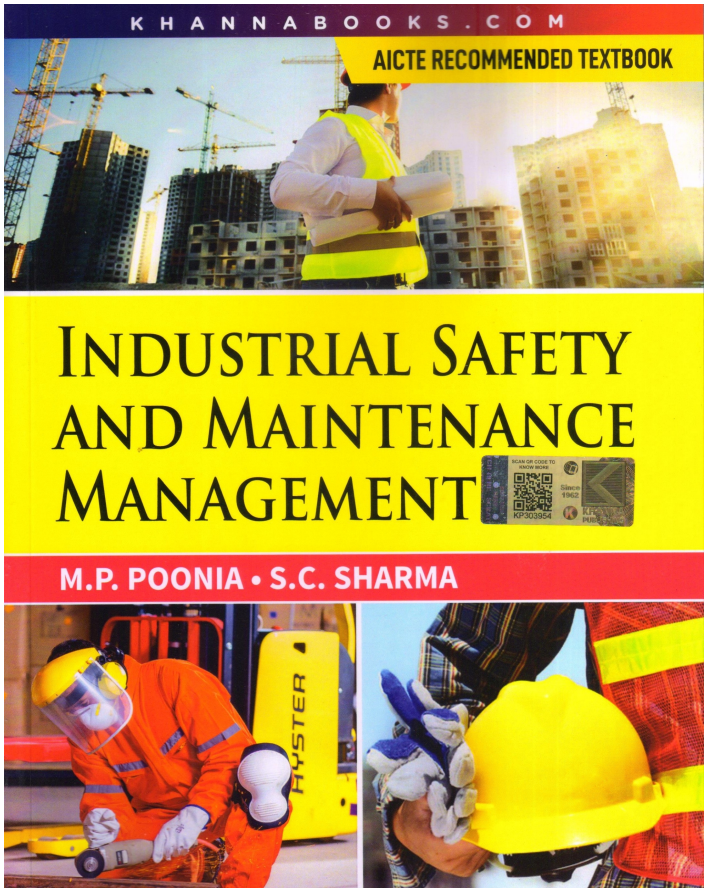

Industrial Safety and Maintenance Management

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Product Description

In the age of industrialization having main focus on increased production, higher productivity, stringent quality, minimizing cost etc., it has become essential to have more knowledge on industrial safety and various hazards with their remedial measures. Maintenance aspects are also gaining importance, as they have substantial impact on production, productivity, workers safety and their health and working environment. Neglect of safety in an industry at any stage. from concept to design, erection, commissioning, operation and maintenance of plant and machinery may lead to loss of life, production and money. It is hoped that this book will be very useful for the engineering student and professionals. The book covers the AICTE model curriculum and the syllabi of various other Indian university on the subject.

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Authors

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata. Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company. **S.C. Sharma** after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

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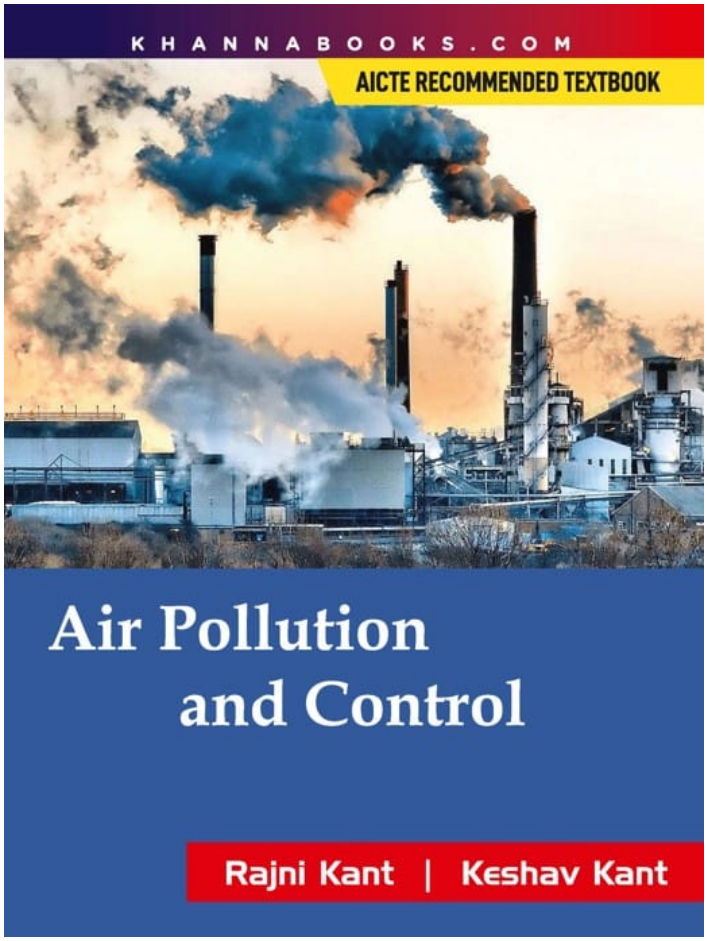

Air Pollution and Control

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Product Description

This book provides a fully comprehensive, rigorous and refreshing treatment of 'Air Pollution and Control' covering present day technology and developments. It covers various new topics like bioaerosols or aeroallergens and hazardous air pollutants including diesel exhaust and dioxins.

The book is intended to meet the requirements of (a) Undergraduate and postgraduate students of particularly Environmental and Mechanical Engineering and also other branches of Engineering, (b) Technologists, designers, operation and maintenance engineers of industries, electrical power plants, heat and power utilities, (c) Aspirants for competitive examinations of IAS, IES, IFS, PCS, and aspirants for various state and private technical services, etc. and (d)General readers interested in the field for better understanding and knowledge.

The book is divided into 20 chapters and presents enormous information covering all aspects of Air Pollution in various sectors relevant to Indian conditions. Each of the following chapters is followed by questions at the end based upon the text.

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Authors

Keshav Kant Dr. Keshav Kant is a former Professor of Mechanical Engineering, I.I.T. Kanpur, who after superannuation from I.I.T. Kanpur in June 2005, served as professor and Head of Mechanical Engineering Department and later as the Director in a number of Private Engineering Colleges/ Institutes. He has three Monographs, five technical reports, 90 publications to his credit in National and International Journals and Proc. of National and International Conference. **Rajni Kant** Er. Rajni Kant, an Engineering Graduate from BHU in 1954, recieved an extensive training in the works of M/S Hitachi Ltd. Japan and also at large capacity power stations and projects of Georgia Power Company (USA). He has more than 50 years of experience to his credit in the aforesaid fields and has authored about 40 papers in various fields including Power Plant and Environmental Engineering which were published in National and International Journals and Proceeding of National and International Conferences.

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