Industrial Management Engineering By O P Khanna

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Principles of Management K. Anbuvelan 2007
PRODUCTION AND OPERATIONS MANAGEMENT R.B. KHANNA 2015-06-01 This well-balanced text with its fine blend of theory and applications, gives an in-depth understanding of production and operations management in an easy-to-understand style. Employing an innovative approach, the author, shows how the use of modern advanced technology gives a boost to production processes and significantly helps production and operations management. The book clearly demonstrates the use of special software packages to solve actual problems. Retaining the original contents, the book, divided into six parts, explains following in its second edition WHY Necessity of production and operations management WHAT Product/service design, product quality and other issues HOW Process design and related issues WHERE Plant location, layout and capacity WHEN Planning and control of production operations WHO Human relations issues that affect production and operations Key features • Learning objectives at the beginning of each chapter enable readers to focus on important points of a chapter. • A concept quiz at the end of each chapter helps the reader to evaluate his understanding of the concepts explained in a chapter. • Numerous solved examples, and answers to all chapter-end numerical problems have been provided. • Covers Service Operations in almost every chapter in addition to the traditional manufacturing operations. • A section with 10 progressive short case studies gives real-world experience. • Chapter-end summary helps readers to review and recapitulate the key concepts. The students of management and engineering (mechanical, production and industrial engineering) will be benefited with the book. An instructor manual containing PowerPoint slides and solutions to chapter-end problems is available. The book is recommended by AICTE for PGDM course. The link is www.aicte-india.org/modelsyllabus.php
Industrial Pollution and Environmental Management R.K. Trivedy 2002-01-01 The book is a collection of in-depth articles on topics most relevant to industry today like Environment Impact Assessment, Cleaner Technologies for Industrial Production, ISO 14001, Hazardous Waste Management, Solid Waste Management, Industrial Sludge Management, Recycling and Utilization of Industrial Waste, Risk Assessment, Noise Pollution etc. A number of chapters deal with Environmental Management in specific industries like foundries, pharmaceuticals industries, coal washeries, lead processing plants etc.
Conventional & Objective Type Questions and Answers on Dr. L. N. Aggarwal 1999
Industrial Management and Organizational Behaviour 2001
International Books in Print 1997
Industrial Engineering and Management Science T. R. Banga 1982
Publication 1989
Industrial Engineering M.I. Khan 2004 The Book Is Primarily Intended To Meet The Demands For A Textbook On The Subject That Systematically Covers The Complete Syllabus Of Uptu On Industrial Engineering For The Second Year B.Tech. Students Of Mechanical, Industrial, Production And Metallurgical Engineering Branches. The Book Precisely Covers The Material In Required Details In A Lucid Manner Using Simple English To Enable An Average Student To Grasp The Subject. Sufficient Solved Examples Have Been Included Throughout The Text To Illustrate The Concepts. Simple Illustrative Reproducible Sketches And Diagrams Have Been Given To Help In Easy Comprehension Of The Subject.The Book Includes The Basic Topics On Industrial Engineering In Twenty Three Chapters. The First Chapter Presents A Detailed Introduction Highlighting The Subject Along With Its Need And Importance. The Book Covers Topics Like: Productivity, Workstudy, Job Evaluation, Plant Layout, Materials Handling, Production Planning And Control, Depreciation, Replacement Analysis, Inventory Control, Mrp, Tqm, Business Organization, Forms Of Ownership, Hrp, Factory Legislation, Sales Management, Forecasting Accounting, Budgetary Control, Project Management (Pert/Cpm), Break-Even Analysis, Or, Engineering Economy, Oplimisation Analysis, E-Commerce, Quality Management Of Physical Resources.
Industrial Engineering Management Science and General Mechanical Engineering K. C. Jain 1982
Project Engineering Primer for Chemical Engineers Sampa Chakrabarti
Industrial Solid Wastes A. D. Patwardhan 2013-01-01 Industrial solid wastes, unlike liquid effluents and gaseous emissions, receive relatively less attention in terms of treatment, reuse, recycle, and recovery of useful by-products. These solid wastes have great potential for recovery and reuse. Predominantly organic wastes can be effectively treated by biological means to yield useful end products like methane gas as fuel and digested slurry as soil conditioner. Inert materials like plastics are effectively blended with other building materials, thereby improving the quality of the finished product and at least partially solving the problem of disposal of plastics. Inorganic wastes are excellent candidates for recovery of reusable building materials like sand and fine aggregate. Recycling of useful components from e-wastes goes a long way in reducing environmental pollution by toxic and hazardous wastes. This book places before the reader different ways and means used by scientists and engineers to minimize pollution of our natural resources and their overexploitation.
Human Resource Management Ashok Yakkaldevi
Industrial Engineering and Management O.P. Khanna 2007
Practical E-Manufacturing and Supply Chain Management Gerhard Greeff 2004-08-11 New technologies are revolutionising the way manufacturing and supply chain management are implemented. These changes are delivering manufacturing firms the competitive advantage of a highly flexible and responsive supply chain and manufacturing system to ensure that they meet the high expectations of their customers, who, in today's economy, demand absolutely the best service, price, delivery time and product quality. To make e-manufacturing and supply chain technologies effective, integration is needed between various, often disparate systems. To understand why this is such an issue, one needs to understand what the different systems or system components do, their objectives, their specific focus areas and how they interact with other systems. It is also required to understand how these systems evolved to their current state, as the concepts used during the early development of systems and technology tend to remain in place throughout the life-cycle of the systems/technology. This book explores various standards, concepts and techniques used over the years to model systems and hierarchies in order to understand where they fit into the organization and supply chain. It looks at the specific system components and the ways in which they can be designed and graphically depicted for easy understanding by both information technology (IT) and non-IT personnel. Without a good implementation philosophy, very few systems add any real benefit to an organization, and for this reason the ways in which systems are implemented and installation projects managed are also explored and recommendations are made as to possible methods that have proven successful in the past. The human factor and how that impacts on system success are also addressed, as is the motivation for system investment and subsequent benefit measurement processes. Finally, the vendor/user supply/demand within the e-manufacturing domain is explored and a method is put forward that enables the reduction of vendor bias during the vendor selection process. The objective of this book is to provide the reader with a good understanding regarding the four critical factors (business/physical processes, systems supporting the processes, company personnel and company/personal performance measures) that influence the success of any e-manufacturing implementation, and the synchronization required between these factors. · Discover how to implement the flexible and responsive supply chain and manufacturing execution systems required for competitive and customer-focused manufacturing · Build a working knowledge of the latest plant automation, manufacturing execution systems (MES) and supply chain management (SCM) design techniques · Gain a fuller understanding of the four critical factors (business and physical processes, systems supporting the processes, company personnel, performance measurement) that influence the success of any e-manufacturing implementation, and how to evaluate and optimize all four factors
Industrial Engineering and Management S.C. Sharma, T.R. Banga 2017 The book "Industrial Engineering and Management" covers the syllabus of the subjects Industrial Engineering, Industrial Management, Production Planning and Control, Production Management, Engineering Economics and Costing, Industrial Organization, Principles of Management prescribed by different Indian Universities. The book is also useful for the students of management courses, section B of AIME, and U.P.S.C Engineering Services Examination. Efforts have been made to present the subject-matter in concise, compact and simple language. The theoretical concepts have been supported by large number of numerical illustrations to provide clarity.
The Management Accountant 1981
Powder Metallurgy Anil Kumar Sinha 1981
Industrial Transformation Om Prakash Jena 2022-05-10 This book focuses on industrial development, design, implementation, and transformation using technologies such as Artificial Intelligence, Machine Learning, the Internet of Things (IoT), Big Data Analysis, and Blockchain. It incorporates complex processes, functions, and various other elements as one central component of digital systems. Industrial Transformation: Implementation and Essential Components and Processes of Digital Systems discusses the industry transformation aligned with the computerization of manufacturing and the required skills needed to build a new workforce. This book covers the role that AI plays in the management of resource flow and decision-making in the transformation of operations, as well as supply chain management. It presents sustainability and efficiency with IoT, Machine Learning, Data Analysis, and Blockchain technologies as it focuses on industrial development, design, and implementation. This book showcases the incorporation of complex processes and functions as one central component of digital systems and explores current trends that are working to accelerate industrial transformation. Case studies are also included, depicting the technologies that are influencing the transition into the fourth Industrial Revolution, such as industrial infrastructure, biodiversity, and enhanced productivity. This book is aimed at researchers, scholars, and students that require real-time knowledge and applications where the transformation and implementation of digital systems in the manufacturing sector are needed.
Principles of Management MG-1351 K. Anbuvelan 2007
Bloedfraude John Carreyrou 2018-10-10 ‘Wat wil jij later worden?’ Zonder te aarzelen antwoordde de zevenjarige Elizabeth Holmes: ‘Miljardair.’ ‘Waarom geen president?’ ‘De president zal mij ten huwelijk vragen omdat ik straks miljarden verdien.’ Op haar negentiende richtte Elizabeth de meest veelbelovende start-up van Silicon Valley op: Theranos. Haar revolutionaire idee was een nieuwe, snelle manier van bloedtesten, die de medische wereld op zijn kop zou zetten. Al in het eerste jaar haalde Holmes het ongekende bedrag van 45 miljoen dollar op en haar portret prijkte op alle businesskranten en -bladen. Extraordinary, werd het genoemd. Maar haar bedrijf bleek gebaseerd op leugens en vervalste testresultaten, en Holmes voerde een schrikbewind om haar moedwillige fraude te verhullen. De meermaals bekroonde Wall Street Journal-journalist John Carreyrou ontmaskerde Holmes en zijn onthullingen brachten haar ten val. Zijn diepgravende journalistieke onderzoek is de basis voor dit adembenemende en shockerende boek over een evil woman en de waanzin van het snelle geld.
Industrial Safety and Maintenance Management M.P. Poonia, S.C. Sharma 2017 In the age of industrialisation 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 syllabii of various other Indian university on the subject.
Industrial Engineering and Management with an Appendix Introducting Khanna O P. 2000

INDUSTRIAL ENGINEERING AND MANAGEMENT RAVI, V. 2015-08-31 The book is primarily intended as a text for all branches of B.Tech, M.Tech and MBA courses. Beginning with an introduction to industrial engineering, it discusses contributions and thoughts of classical (Taylor, Fayol, and Weber's), neo-classical (Hawthorne) and modern thinkers. The book explains different functions of management, and differentiate between management and administration. Various types of business organisations with their structures and personnel management also find place in the book. Topics related to facilities location, material handling, work study, job evaluation and merit rating, wages and incentives that are of prime importance in any business are discussed. The book is aimed at providing a better understanding of industrial operations with practical approach. Financial aspects related to business operations such as financial management, management accounting, breakeven analysis, depreciation and replacement policies for equipment assume prime importance. Numerical examples have been solved at appropriate places to create interest in readers. Marketing aspects of business as marketing management, new product development and sales forecasting methods are discussed, besides management and control of operations. For maintaining industrial peace, good relationship between employers and employees is essential. Chapters on industrial relations, industrial safety and industrial legislations are introduced with the objective of providing readers with information on these important aspects. Good decision-making is what differentiates a good manager from a bad one. Thus, a chapter on decision-making is added to examine its skill. Network constructions, CPM, PERT have been covered under project management. Quantitative techniques for decision-making as linear programming, transportation problems, assignment problems, game theory, queuing theory, etc., are also discussed in this textbook. KEY FEATURES • Lucid presentation of the concepts. • Illustrative figures and tables make the reading more fruitful and enriching. • Numerical problems with solutions form an integral part of the book, making it application-oriented. • Chapter-end review questions test the students' knowledge of the fundamental concepts.
Industrial Engineering and Management Science T. R. Banga 1987
COMADEM 89 International Raj B. K. N. Rao 2012-12-06 RajB KNRao Conference Director, Birmingham Polytechnic Condition Monitoring and Diagnostic Engineering Management (COMADEM) is a relatively new field that has already made its mark in a wide range of industries. But all the signs are that even more will be required of researchers in the field over the next decade, for COMADEM directly addresses a whole range of issues that are likely to become increasingly important to companies as competitiveness increases along with the uncertainties resulting from rapid technological change. Already for example, businesses are having to scrutinize the economics of plant and machinery in greater detail than ever before; reliability is becoming a crucial factor as the costs of unscheduled breakdowns rise and there is increasing pressure on companies to demonstrate and assure improved health and safety conditions, especially in light of the growing number of catastrophic accidents that have occured throughout the world. Because it offers solutions to these and similar problems, COMADEM is now gaining an international reputation as a problem-solving, user-friendly and financially beneficial multi-discipline with immense potential. Many people at the senior management level are now convinced that COMADEM has much to offer and are wasting no time in reaping maximum benefit from the latest developments. The fact that the first UK informal seminar on COMADEM - COMADEM 88 - proved to be a great success and had a truly international flavour reflected this growing interest in the new field.
Industrial Engineering and Production Management Martand T Telsang For close to 20 years, Industrial Engineering and Production Management has been a successful text for students of Mechanical, Production and Industrial Engineering while also being equally helpful for students of other courses including Management. Divided in 5 parts and 52 chapters, the text combines theory with examples to provide in-depth coverage of the subject.
Materiaalkunde Kenneth G. Budinski 2009 In Materiaalkunde komen alle belangrijke materialen die toegepast worden in werktuigbouwkundige constructies aan de orde, zoals metalen, kunststoffen en keramiek. Per materiaalgroep behandelen de auteurs: · de belangrijkste eigenschappen; · de manier van verwerking; · de beperkingen; · de belangrijkste keuzeaspecten met betrekking tot constructies; · de manier van specificatie in een technische tekening of een ontwerp. De eerste editie van Materiaalkunde verscheen alweer dertig jaar geleden. In de tussentijd is het voortdurend aangepast aan de nieuwste ontwikkelingen en het mag dan ook met recht een klassieker genoemd worden.
Process Management in Spinning R. Senthil Kumar 2014-09-23 A Straightforward Text Summarizing All Aspects of Process Control Textile manufacturing is one of the largest industries in the world, second only to agriculture. Spinning covers a prominent segment in textile manufacturing, and this budding industry continues to thrive and grow. Process Management in Spinning considers aspect of process management, and offers insight into the process control procedures and methods of spinning. Focusing on the technology as well as the management of the process, it examines both the economic and technological advancements currently taking place in the spinning industry. This text takes a close look at the advancing technology in manufacturing and process, and product quality control. It provides a basic overview of the subject, and also presents applications of this technology for practicing engineers. Incorporates Industry-Based, Real-World Examples The book contains 15 chapters that specifically address the stages of process control, energy management methods, humidification and ventilation systems basics, pollution management, process management tools, productivity, waste control, material handling, and other aspects of spinning mills. It also includes real-time case studies involving typical problems that arise in spinning processes and strategies used to contain them. The author provides a broad outlook on various topics including mixing, winding, raw material and optimizing raw material properties, bale management, yarn engineering systems, processing, and process management systems. He also details the defects associated with each and every process with causes, effects, and control measures. The book addresses process management as it relates to productivity, quality, and costs, as well as process control as it relates to man, machine, and material. Provides the scientific method for optimization/optimizing the properties of the fibers Familiarizes the reader with remedial measures to enhance the quality of the product Addresses productivity measurement and its role in controlling the cost of the manufacturing process Contains detailed examples, as well as linear programming and optimization techniques, and statistical applications Covers the areas of process control methods in spinning, defect analysis and rectification, improving productivity and quality, and using statistical tools Process Management in Spinning establishes the various process management measures required to help improve the process efficiency in spinning mills and the textile industry overall. Aimed at professionals in the textile industry, this text is a perfect resource for textile engineers/technologists/manufacturers, spin quality control engineers, spin quality assurance personnel, and other industry professionals.
Agile Manufacturing Systems K Hans Raj 2011-12-17 Agility has become very important for the industries today as the lifetimes of the products are continuously shrinking. This book provides an excellent opportunity for updating understanding of agile methods from the design, manufacturing and business process perspectives, whether one is an industrial practitioner, academic researcher engineer or business graduate student. This volume is a compilation of various important aspects of agility consisting of systemic considerations in manufacturing, agile software systems, agile business systems, agile operations research, flexible manufacturing systems, advanced manufacturing systems with improved materials and mechanical behavior of products, agile aspects of design, clean and green manufacturing systems, environment, agile defence systems.
Handbook of Industrial Engineering Gavriel Salvendy 2001-05-25 Unrivaled coverage of a broad spectrum of industrial engineering concepts and applications The Handbook of Industrial Engineering, Third Edition contains a vast array of timely and useful methodologies for achieving increased productivity, quality, and competitiveness and improving the quality of working life in manufacturing and service industries. This astoundingly comprehensive resource also provides a cohesive structure to the discipline of industrial engineering with four major classifications: technology; performance improvement management; management, planning, and design control; and decision-making methods. Completely updated and expanded to reflect nearly a decade of important developments in the field, this Third Edition features a wealth of new information on project management, supply-chain management and logistics, and systems related to service industries. Other important features of this essential reference include: * More than 1,000 helpful tables, graphs, figures, and formulas * Step-by-step descriptions of hundreds of problem-solving methodologies * Hundreds of clear, easy-to-follow application examples * Contributions from 176 accomplished international professionals with diverse training and affiliations * More than 4,000 citations for further reading The Handbook of Industrial Engineering, Third Edition is an immensely useful one-stop resource for industrial engineers and technical support personnel in corporations of any size; continuous process and discrete part manufacturing industries; and all types of service industries, from healthcare to hospitality, from retailing to finance. Of related interest . . . HANDBOOK OF HUMAN FACTORS AND ERGONOMICS, Second Edition Edited by Gavriel Salvendy (0-471-11690-4) 2,165 pages 60 chapters "A comprehensive guide that contains practical knowledge and technical background on virtually all aspects of physical, cognitive, and social ergonomics. As such, it can be a valuable source of information for any individual or organization committed to providing competitive, high-quality products and safe, productive work environments."-John F. Smith Jr., Chairman of the Board, Chief Executive Officer and President, General Motors Corporation (From the Foreword)
Challenges and Opportunities for SMEs in Industry 4.0 Ahmad, Noor Hazlina 2020-03-20 Small and medium enterprises (SMEs) have been widely acknowledged to be an important agent of development because of their potential for addressing unemployment, inequality, and poverty, as well as promoting inclusiveness in economic development. The sector is critical for achieving the country's sustainable growth. However, there is a lack of research on the adaptations SMEs are making in today's technologically driven market. Challenges and Opportunities for SMEs in Industry 4.0 is a collection of innovative research on the methods and applications of modern business development and innovative strategies for small and medium enterprises in the age of smart industrialism. This book features a wide range of topics including business intelligence, collaborative manufacturing, and organizational networking. This reference source is ideally designed for managers, policymakers, economists, entrepreneurs, strategists, researchers, industrialists, academicians, educators, and students.
Politics, Economic Development, and Industrial Management in India Howard L. Erdman 1989
The New Technocracy Anders Esmark 2020-04 The recent rise of populist parties and movements in the United States and Europe--and their contempt for and distrust of the opinions of mainstream experts--has shocked the establishment. New Technocracy examines how the post-industrial technocratic regime of the 1980s--defined by managerialism, depoliticization, and the politics of expertise--sowed the seeds for the today's backlash against elite political powers. Esmark argues that populism is a sign that the technocratic bluff has finally been called, setting a new benchmark for studies of technocracy by showing that a solution to the challenge of populism will depend as much on a technocratic retreat as democratic innovation.
Operations Management and Systems Engineering Anish Sachdeva 2020-08-26 This book comprises select peer-reviewed contributions from the 6th International Conference on Production and Industrial Engineering (CPIE – 2019). The volume focuses on latest research in the field of Industrial and Systems Engineering, and its allied areas. Articles on variety of topics such as Human Factors Engineering, Lean Manufacturing, Six Sigma, Logistics and Supply Chain Management, Operations Research, Quality Engineering, Measurement and Control, Reliability and Maintenance Engineering, Green Supply Chain Management, Modelling and Simulation, Sustainability, Technology Management, Agile and Flexible Manufacturing, Technology Management and Computer Aided Manufacturing are discussed in this book. Given the range of topics covered, the book will be useful for students, researchers, and professionals interested in different areas of Industrial and Systems Engineering.
The Indian Textile Journal Sorabji M. Rutnagur 1989
Advanced Technology in Exploration and Exploitation of Minerals 2nd MEAI 2014-01-01
Industrial Engineering in Apparel Manufacturing Dr. Prabir Jana, Dr. Manoj Tiwari 2020-03-11 While there is pressure (from buyers), inclination (within self to do better) and a heightened aspiration among apparel manufacturers to use Industrial Engineering (IE) like other more industrialized sectors, there is no specific book as such dealing with IE in relation to apparel manufacturing. The existing books that are already written on IE possess academic rigour and generic functions applicable across industries, thus making it difficult for the practitioners to refer and clear discrete doubts related to apparel manufacturing. Undoubtedly, work study is the centrepiece of Industrial Engineering; however apart from work study, industrial engineers in apparel industry are also supposed to perform various other functions like preparing operation breakdown and operation flow chart, selecting machine type and attachment and workaids, planning machine layout for maximizing unidirectional material movement, optimising inventory and storage space and maintaining workplace health and safety. These are some of the areas that often lack significant attention. This practitioner's handbook is an amalgamation of theory and practices, including steps of implementation and common mistakes. A balanced approached is taken to make it equally meaningful and useful for the academics as well as the industry. A unique section titled "industry practices" is incorporated at the end of each chapter which shares the typical practices, constraints and benefits accrued by the industry, which will give meaningful insight to the readers and help them relate theory with actual practice.
Industrial Engineering And Management O. P. Khanna 1980
Advances in Management Engineering Cesáreo Hernández 2017-04-26 This book deals with research in open challenges in Management Engineering in the 21st century, as well as selected opportunities and solutions to remedy them. Management Engineering is an emerging field that extends the analytical methods used in traditional Industrial Engineering and Industrial Organization to address the economic, behavioral and social dimensions of companies and their environments. Management Engineering extends its domain beyond the firm and the market to encompass the modeling and policy design of physical landscapes populated by social agents. The developments of the 21st century have made it necessary to adopt an integrative and global view of the different methodologies and tools that facilitate managers' decision-making

processes, ranging from the strategic to the operational level. This book equips readers with precisely these urgently needed resources.