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## **GEOTECHNICAL ENGINEERING** - T G SITHARAM 2008-01-01

IN THIS BOOK, A CHAPTER ON STABILITY OF SLOPES HAS BEEN INCLUDED AS MOST OF THE UNIVERSITIES COVER THIS IN THE FIRST COURSE OF GEOTECHNICAL ENGINEERING. THE CONTENTS OF THIS VOLUME ARE WRITTEN AT A BASIC LEVEL SUITABLE FOR A FIRST COURSE IN GEOTECHNICAL ENGINEERING. THIS BOOK HIGHLIGHTS THE BASIC PRINCIPLES OF SOIL MECHANICS ALONG WITH APPLICATIONS TO MANY PROBLEMS IN GEOTECHNICAL ENGINEERING. THE MATERIAL IS COVERED IN A VERY SIMPLE, CLEAR AND LOGICAL MANNER. A NUMBER OF SOLVED AND EXERCISE PROBLEMS HAVE BEEN INCLUDED IN EACH CHAPTER. A TEXTBOOK OF MANUFACTURING TECHNOLOGY - R. K. RAJPUT 2007

## **HEAT AND MASS TRANSFER : A TEXTBOOK FOR THE STUDENTS PREPARING FOR B.E., B.TECH., B.Sc. ENGG., AMIE, UPSC (ENGG. SERVICES) AND GATE EXAMINATIONS** - R. K. RAJPUT 2007

THE ENTIRE BOOK HAS BEEN THOROUGHLY REVISED AND A LARGE NUMBER OF SOLVED EXAMPLES UNDER HEADING ADDITIONAL/TYPICAL WORKED EXAMPLES (QUESTIONS SELECTED FROM VARIOUS UNIVERSITIES AND COMPETITIVE EXAMINATIONS) HAVE BEEN ADDED AT THE END OF THE BOOK.

## INDUSTRIAL ENGINEERING AND MANAGEMENT - PRAVIN KUMAR 2015

THE BOOK HAS BEEN DESIGNED FOR UNDERGRADUATE STUDENTS STUDYING MECHANICAL ENGINEERING OR INDUSTRIAL ENGINEERING. IT DISCUSSES VARIOUS CONCEPTS AND PROVIDES PRACTICAL KNOWLEDGE RELATED TO THE AREA OF INDUSTRIAL ENGINEERING AND MANAGEMENT. THE BOOK LUCIDLY COVERS PROJECT MANAGEMENT, QUALITY MANAGEMENT, COSTING ETC. IN DETAIL TO DEVELOP THE REQUIRED SKILLS AMONG THE STUDENTS.

## FACTORY PHYSICS - WALLACE J. HOPP 2011-08-31

OUR ECONOMY AND FUTURE WAY OF LIFE DEPEND ON HOW WELL AMERICAN MANUFACTURING MANAGERS ADAPT TO THE DYNAMIC, GLOBALLY COMPETITIVE LANDSCAPE AND EVOLVE THEIR FIRMS TO KEEP PACE. A MAJOR CHALLENGE IS HOW TO STRUCTURE THE FIRMS ENVIRONMENT SO THAT IT ATTAINS THE SPEED AND LOW COST OF HIGH-VOLUME FLOW LINES WHILE RETAINING THE FLEXIBILITY AND CUSTOMIZATION POTENTIAL OF A LOW-VOLUME JOB SHOP. THE BOOKS THREE PARTS ARE ORGANIZED ACCORDING TO THREE CATEGORIES OF SKILLS REQUIRED BY MANAGERS AND ENGINEERS: BASICS, INTUITION, AND SYNTHESIS. PART I REVIEWS TRADITIONAL OPERATIONS MANAGEMENT TECHNIQUES AND IDENTIFIES THE NECESSARY COMPONENTS OF THE SCIENCE OF MANUFACTURING. PART II PRESENTS THE CORE CONCEPTS OF THE BOOK, BEGINNING WITH THE STRUCTURE OF THE SCIENCE OF MANUFACTURING AND A DISCUSSION OF THE SYSTEMS APPROACH TO PROBLEM SOLVING. OTHER TOPICS INCLUDE BEHAVIORAL TENDENCIES OF MANUFACTURING PLANTS, PUSH AND PULL PRODUCTION SYSTEMS, THE HUMAN ELEMENT IN OPERATIONS MANAGEMENT, AND THE RELATIONSHIP BETWEEN QUALITY AND OPERATIONS. CHAPTER CONCLUSIONS INCLUDE MAIN POINTS AND OBSERVATIONS FRAMED AS MANUFACTURING LAWS. IN PART III, THE LESSONS OF PART I AND THE LAWS OF PART II ARE APPLIED TO ADDRESS SPECIFIC MANUFACTURING MANAGEMENT ISSUES IN DETAIL. THE AUTHORS COMPARE AND CONTRAST COMMON PROBLEMS, INCLUDING SHOP FLOOR CONTROL, LONG-RANGE AGGREGATE PLANNING, WORKFORCE PLANNING AND CAPACITY MANAGEMENT. A MAIN FOCUS IN PART III IS TO HELP READERS VISUALIZE HOW GENERAL CONCEPTS IN PART II CAN BE APPLIED TO SPECIFIC PROBLEMS. WRITTEN FOR BOTH ENGINEERING AND MANAGEMENT STUDENTS, THE AUTHORS DEMONSTRATE THE EFFECTIVENESS OF A RULE-BASED AND DATA DRIVEN APPROACH TO OPERATIONS PLANNING AND CONTROL. THEY ADVANCE AN ORGANIZED FRAMEWORK FROM WHICH TO EVALUATE MANAGEMENT PRACTICES AND DEVELOP USEFUL INTUITION ABOUT MANUFACTURING SYSTEMS.

## **MOST @ WORK MEASUREMENT SYSTEMS** - KJELL B. ZANDIN 1980

DESCRIBES THE MAYNARD OPERATION SEQUENCE TECHNIQUE OF CALCULATING METHODS TIME MEASUREMENT IN INDUSTRIAL ENGINEERING, DESIGNED TO BE USED IN CONJUNCTION WITH CLASSROOM TRAINING AND CERTIFICATION. THE SECOND EDITION (FIRST IN 1980) EXPLAINS THE VARIOUS VERSIONS OF THE SYSTEM AND ITS TRANSLATION TO BOTH LARGE AND SMALL COMPUTERS. ANNOTATION COPYRIGHTED BY BOOK NEWS, INC., PORTLAND, OR 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.

## PROCESS ENGINEERING AND INDUSTRIAL MANAGEMENT - JEAN-PIERRE DAL PONT 2013-03-04

PROCESS ENGINEERING, THE SCIENCE AND ART OF TRANSFORMING RAW MATERIALS AND ENERGY INTO A VAST ARRAY OF COMMERCIAL MATERIALS, WAS CONCEIVED AT THE END OF THE 19TH CENTURY. ITS HISTORY IN THE ROLE OF THE PROCESS INDUSTRIES HAS BEEN QUITE HONORABLE, AND TECHNIQUES AND PRODUCTS HAVE CONTRIBUTED TO IMPROVE HEALTH, WELFARE AND QUALITY OF LIFE. TODAY, INDUSTRIAL ENTERPRISES, WHICH ARE STILL A MAJOR SOURCE OF WEALTH, HAVE TO DEAL WITH NEW CHALLENGES IN A GLOBAL WORLD. THEY NEED

TO RECONSIDER THEIR STRATEGY TAKING INTO ACCOUNT ENVIRONMENTAL CONSTRAINTS, SOCIAL REQUIREMENTS, PROFIT, COMPETITION, AND RESOURCE DEPLETION. "SYSTEMS THINKING" IS A PREREQUISITE FROM PROCESS DEVELOPMENT AT THE LAB LEVEL TO GOOD PROJECT MANAGEMENT. NEW MANUFACTURING CONCEPTS HAVE TO BE CONSIDERED, TAKING INTO ACCOUNT LCA, SUPPLY CHAIN MANAGEMENT, RECYCLING, PLANT FLEXIBILITY, CONTINUOUS DEVELOPMENT, PROCESS INTENSIFICATION AND INNOVATION. THIS BOOK COMBINES EXPERIENCE FROM ACADEMIA AND INDUSTRY IN THE FIELD OF INDUSTRIALIZATION, I.E. IN ALL PROCESSES INVOLVED IN THE CONVERSION OF RESEARCH INTO SUCCESSFUL OPERATIONS. ENTERPRISES ARE FACING MAJOR CHALLENGES IN A WORLD OF FIERCE COMPETITION AND GLOBALIZATION. PROCESS ENGINEERING TECHNIQUES PROVIDE PROCESS INDUSTRIES WITH THE NECESSARY TOOLS TO COPE WITH THESE ISSUES.

THE CHAPTERS OF THIS BOOK GIVE A NEW APPROACH TO THE MANAGEMENT OF TECHNOLOGY, PROJECTS AND MANUFACTURING. CONTENTS PART 1: THE COMPANY AS OF TODAY 1. THE INDUSTRIAL COMPANY: ITS PURPOSE, HISTORY, CONTEXT, AND ITS TOMORROW?, JEAN-PIERRE DAL PONT. 2. THE TWO MODES OF OPERATION OF THE COMPANY - OPERATIONAL AND ENTREPRENEURIAL, JEAN-PIERRE DAL PONT. 3. THE STRATEGIC MANAGEMENT OF THE COMPANY: INDUSTRIAL ASPECTS, JEAN-PIERRE DAL PONT. PART 2: PROCESS DEVELOPMENT AND INDUSTRIALIZATION 4. CHEMICAL ENGINEERING AND PROCESS ENGINEERING, JEAN-PIERRE DAL PONT. 5. FOUNDATIONS OF PROCESS INDUSTRIALIZATION, JEAN-FRANÇOIS JOY. 6. THE INDUSTRIALIZATION PROCESS: PRELIMINARY PROJECTS, JEAN-PIERRE DAL PONT AND MICHEL ROYER. 7. LIFECYCLE ANALYSIS AND ECO-DESIGN: INNOVATION TOOLS FOR SUSTAINABLE INDUSTRIAL CHEMISTRY, SYLVAIN CAILLOL. 8. METHODS FOR DESIGN AND EVALUATION OF SUSTAINABLE PROCESSES AND INDUSTRIAL SYSTEMS, CATHERINE AZZARO-PANTEL. 9. PROJECT MANAGEMENT TECHNIQUES: ENGINEERING, JEAN-PIERRE DAL PONT. PART 3: THE NECESSARY ADAPTATION OF THE COMPANY FOR THE FUTURE 10. JAPANESE METHODS, JEAN-PIERRE DAL PONT. 11. INNOVATION IN CHEMICAL ENGINEERING INDUSTRIES, OLIVER POTIER AND MAURICIO CAMARGO. 12. THE PLACE OF INTENSIFIED PROCESSES IN THE PLANT OF THE FUTURE, LAURENT FALK. 13. CHANGE MANAGEMENT, JEAN-PIERRE DAL PONT. 14. THE PLANT OF THE FUTURE, JEAN-PIERRE DAL PONT.

## **INDUSTRIAL AND BUSINESS MANAGEMENT** - MARLAND T. TELSANG 2001-04

## **INDUSTRIAL ENGINEERING & MANAGEMENT 2E** - RAVI SHANKAR

## **MULTIFACTOR PRODUCTIVITY MEASURES** - 1983

## REFRIGERATION AND AIR CONDITIONING - RAMESH CHANDRA ARORA 2010-01-30

THE TEXT BEGINS BY REVIEWING, IN A SIMPLE AND PRECISE MANNER, THE PHYSICAL PRINCIPLES OF THREE PILLARS OF REFRIGERATION AND AIR CONDITIONING, NAMELY THERMODYNAMICS, HEAT TRANSFER, AND FLUID MECHANICS. FOLLOWING AN OVERVIEW OF THE HISTORY OF REFRIGERATION, SUBSEQUENT CHAPTERS PROVIDE EXHAUSTIVE COVERAGE OF THE PRINCIPLES, APPLICATIONS AND DESIGN OF SEVERAL TYPES OF REFRIGERATION SYSTEMS AND THEIR ASSOCIATED COMPONENTS SUCH AS COMPRESSORS, CONDENSERS, EVAPORATORS, AND EXPANSION DEVICES. REFRIGERANTS TOO, ARE STUDIED ELABORATIVELY IN AN EXCLUSIVE CHAPTER. THE SECOND PART OF THE BOOK, BEGINNING WITH THE HISTORICAL BACKGROUND OF AIR CONDITIONING IN CHAPTER 15, DISCUSSES THE SUBJECT OF PSYCHROMETRICS BEING AT THE HEART OF UNDERSTANDING THE DESIGN AND IMPLEMENTATION OF AIR CONDITIONING PROCESSES AND SYSTEMS, WHICH ARE SUBSEQUENTLY DEALT WITH IN CHAPTERS 16 TO 23. IT ALSO EXPLAINS THE DESIGN PRACTICES FOLLOWED FOR COOLING AND HEATING LOAD CALCULATIONS. EACH CHAPTER CONTAINS SEVERAL WORKED-OUT EXAMPLES THAT CLARIFY THE MATERIAL DISCUSSED AND ILLUSTRATE THE USE OF BASIC PRINCIPLES IN ENGINEERING APPLICATIONS. EACH CHAPTER ALSO ENDS WITH A SET OF FEW REVIEW QUESTIONS TO SERVE AS REVISION OF THE MATERIAL LEARNED.

## **WHAT'S THE USE ?** - ANDERS HEKTOR 2001

## PLC CONTROLS WITH STRUCTURED TEXT (ST) - TOM MEJER ANTONSEN 2019-03-14

THIS BOOK GIVES AN INTRODUCTION TO STRUCTURED TEXT (ST), USED IN PROGRAMMABLE LOGIC CONTROL (PLC). THE BOOK CAN BE USED FOR ALL TYPES OF PLC BRANDS INCLUDING SIEMENS STRUCTURED CONTROL LANGUAGE (SCL) AND PROGRAMMABLE AUTOMATION CONTROLLERS (PAC). CONTENTS: - BACKGROUND, ADVANTAGE AND CHALLENGE WHEN ST PROGRAMMING - SYNTAX AND FUNDAMENTAL ST PROGRAMMING - WIDESPREAD GUIDE TO REASONABLE NAMING OF VARIABLES - CTU, TOF, TON, CASE, STRUCT, ENUM, ARRAY, STRING - GUIDE TO SPLIT-UP INTO PROGRAM MODULES AND FUNCTIONS - MORE THAN 90 PLC CODE EXAMPLES IN BLACK/WHITE - FIFO, RND, 3D ARRAY AND DIGITAL FILTER - EXAMPLES: FROM LADDER TO ST PROGRAMMING - GUIDE TO SOLVE PROGRAMMING EXERCISES MANY CLARIFYING EXPLANATIONS TO THE PLC CODE AND FOCUS ON THE FACT THAT THE READER SHOULD LEARN HOW TO WRITE A STABLE, ROBUST, READABLE, STRUCTURED AND CLEAR CODE ARE ALSO INCLUDED IN THE BOOK. FURTHERMORE, THE FOCUS IS THAT THE READER WILL BE ABLE TO WRITE A PLC CODE, WHICH DOES NOT REQUIRE A SPECIFIC PLC TYPE AND PLC CODE, WHICH CAN BE REUSED. THE BASIS OF THE BOOK IS A MATERIAL WHICH IS CURRENTLY COMPILED WITH FEEDBACK FROM LECTURERS AND STUDENTS ATTENDING THE AP EDUCATION IN AUTOMATION ENGINEERING AT THE LOCAL DANIA

ACADEMY, "ERHVERVSAKADEMI DANIA", RANDERS, DENMARK. THE MATERIAL IS THUS CURRENTLY UPDATED SO THAT IT ANSWERS ALL THE QUESTIONS WHICH THE STUDENTS TYPICALLY ASK THROUGH-OUT THE PERIOD OF STUDYING. THE AUTHOR IS BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (B.Sc.E.E.) AND HAS 25 YEARS OF EXPERIENCE WITHIN SPECIFICATION, DEVELOPMENT, PROGRAMMING AND SUPPLYING COMPLEX CONTROL SOLUTIONS AND SUPERVISION SYSTEMS. THE AUTHOR IS ASSISTANT PROFESSOR AND TEACHING PLC CONTROL SYSTEMS AT HIGHER EDUCATIONS. LINKEDIN: [HTTPS://WWW.LINKEDIN.COM/IN/TOMMEJERANTONSEN/](https://www.linkedin.com/in/tommejerantonsen/)  
*INDUSTRIAL ENGINEERING AND MANAGEMENT* - O. P. KHANNA 1980

**LIGNOCELLULOSIC BIOMASS PRODUCTION AND INDUSTRIAL APPLICATIONS** - ARINDAM KUILA 2017-06-01

LIGNOCELLULOSIC BIOMASS PRODUCTION AND INDUSTRIAL APPLICATIONS DESCRIBES THE UTILIZATION OF LIGNOCELLULOSIC BIOMASS FOR VARIOUS APPLICATIONS. ALTHOUGH THERE HAVE BEEN NUMEROUS REPORTS ON LIGNOCELLULOSIC BIOMASS FOR BIOFUEL APPLICATION, THERE HAVE BEEN VERY FEW OTHER APPLICATIONS REPORTED FOR LIGNOCELLULOSIC BIOMASS-BASED CHEMICALS AND POLYMERS. THEREFORE, THIS BOOK COVERS ALL OF THE POSSIBLE LIGNOCELLULOSIC BIOMASS APPLICATIONS. BESIDES DESCRIBING THE DIFFERENT TYPES OF BIOFUEL PRODUCTION, SUCH AS BIOETHANOL, BIOBUTANOL, BIODIESEL AND BIOGAS FROM LIGNOCELLULOSIC BIOMASS, IT ALSO PRESENTS VARIOUS OTHER LIGNOCELLULOSIC BIOMASS BIREFINERY APPLICATIONS FOR THE PRODUCTION OF CHEMICALS, POLYMERS, PAPER AND BIOPLASTICS. IN ADDITION, THERE ARE CHAPTERS ON VALORIZATION OF LIGNOCELLULOSIC MATERIALS, ALKALI TREATMENT TO IMPROVE THE PHYSICAL, MECHANICAL AND CHEMICAL PROPERTIES OF LIGNOCELLULOSIC NATURAL FIBERS, AND A DISCUSSION OF THE MAJOR BENEFITS, LIMITATIONS AND FUTURE PROSPECTS OF THE USE OF LIGNOCELLULOSIC BIOMASS.

**JUST-IN-TIME MANUFACTURING** - T.C. CHENG 1996-07-31

WRITTEN IN CLEAR, STRAIGHTFORWARD LANGUAGE, JUST-IN-TIME MANUFACTURING: AN INTRODUCTION DISCUSSES IN-DEPTH THE IMPLEMENTATION OF JIT MANUFACTURING. THE OBJECTIVES ARE TWOFOLD: FIRSTLY, TO ACQUAINT THE READER WITH THE OVERALL JIT CONCEPT AND THE FACTORS NECESSARY FOR ITS IMPLEMENTATION, AND SECONDLY TO REINFORCE THIS WITH AN ACTUAL CASE STUDY OF JIT IMPLEMENTATION IN A MANUFACTURING COMPANY.

**MARKETING** - ROSALIND MASTERSON 2014-03-25

\*WINNERS - BRITISH BOOK DESIGN AWARDS 2014 IN THE CATEGORY BEST USE OF CROSS MEDIA\* GET ACCESS TO AN INTERACTIVE eBook\* WHEN YOU BUY THE PAPERBACK (PRINT PAPERBACK VERSION ONLY, ISBN 9781446296424) WATCH THE VIDEO WALKTHROUGH TO FIND OUT HOW YOUR STUDENTS CAN MAKE THE BEST USE OF THE INTERACTIVE RESOURCES THAT COME WITH THE NEW EDITION! WITH EACH PRINT COPY OF THE NEW 3RD EDITION, STUDENTS RECEIVE 12 MONTHS FREE ACCESS TO THE INTERACTIVE eBook\* GIVING THEM THE FLEXIBILITY TO LEARN HOW, WHEN AND WHERE THEY WANT. AN INDIVIDUALIZED CODE ON THE INSIDE BACK COVER OF EACH BOOK GIVES ACCESS TO AN ONLINE VERSION OF THE TEXT ON VITALSOURCE BOOKSHELF® AND ALLOWS STUDENTS TO ACCESS THE BOOK FROM THEIR COMPUTER, TABLET, OR MOBILE PHONE AND MAKE NOTES AND HIGHLIGHTS WHICH WILL AUTOMATICALLY SYNC WHEREVER THEY GO. GREEN COFFEE CUPS IN THE MARGINS LINK STUDENTS DIRECTLY TO A WEALTH OF ONLINE RESOURCES. CLICK ON THE LINKS BELOW TO SEE OR HEAR AN EXAMPLE: WATCH VIDEOS TO GET A BETTER UNDERSTANDING OF KEY CONCEPTS AND PROVOKE IN-CLASS DISCUSSION VISIT WEBSITES AND TEMPLATES TO HELP GUIDE STUDENTS' STUDY A DEDICATED PINTEREST PAGE WITH WEALTH OF TOPICAL REAL WORLD EXAMPLES OF MARKETING THAT STUDENTS CAN RELATE TO THE STUDY A PODCAST SERIES WHERE RECENT GRADUATES AND MARKETING PROFESSIONALS TALK ABOUT THE DAY-TO-DAY OF MARKETING AND SPECIFIC MARKETING CONCEPTS FOR THOSE STUDENTS ALWAYS ON THE GO, MARKETING AN INTRODUCTION 3RD EDITION IS ALSO SUPPORTED BY MOBILESTUDY - A RESPONSIVE REVISION TOOL WHICH CAN BE ACCESSED ON SMARTPHONES OR TABLETS ALLOWING STUDENTS TO REVISE ANYTIME AND ANYWHERE THAT SUITS THEIR SCHEDULE. NEW TO THE 3RD EDITION: COVERS TOPICS SUCH AS DIGITAL MARKETING, GLOBAL MARKETING AND MARKETING ETHICS PLACES EMPHASIS ON EMPLOYABILITY AND MARKETING IN THE WORKPLACE TO HELP STUDENTS PREPARE THEMSELVES FOR LIFE AFTER UNIVERSITY FUN ACTIVITIES FOR STUDENTS TO TRY WITH CLASSMATES OR DURING PRIVATE STUDY TO HELP CONSOLIDATE WHAT THEY HAVE LEARNT (\*INTERACTIVITY ONLY AVAILABLE THROUGH VITALSOURCE eBook)

**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.

**OPERATIONS RESEARCH** - D S HIRA 1992

THE AUTHOR HAVE USED NUMERICAL EXAMPLES AS THE MEANS FOR PRESENTATION OF THE UNDERLYING IDEAS OF DIFFERENT OPERATIONS RESEARCH TECHNIQUES. ACCORDINGLY, A LARGE NUMBER OF COMPREHENSIVE SOLVED EXAMPLES, TAKEN FROM A VARIETY OF FIELDS, HAVE BEEN ADDED IN EVERY CHAPTER AND THEY ARE FOLLOWED BY A SET OF UNSOLVED PROBLEMS WITH ANSWERS (AND HINTS WHEREVER REQUIRED) THROUGH WHICH READERS CAN TEST THEIR UNDERSTANDING OF THE SUBJECT MATTER. THE BOOK, IN ITS PRESENT FORM, CONTAINS AROUND 650, EXAMPLES, 1,280 ILLUSTRATIVE DIAGRAMS.

**INDUSTRIAL ENGINEERING AND PRODUCTION MANAGEMENT** - MARTAND TELSANG 2006

**POWER ELECTRONICS HANDBOOK** - F. F. MAZDA 2013-10-22

POWER ELECTRONICS HANDBOOK: COMPONENTS, CIRCUITS, AND APPLICATIONS IS A COLLECTION OF MATERIALS ABOUT POWER COMPONENTS, CIRCUIT DESIGN, AND APPLICATIONS. PRESENTED IN A PRACTICAL FORM, THEORETICAL INFORMATION IS GIVEN AS FORMULAE. THE BOOK IS DIVIDED INTO THREE PARTS. PART 1 DEALS WITH THE USUAL COMPONENTS FOUND IN POWER ELECTRONICS SUCH AS SEMICONDUCTOR DEVICES AND POWER SEMICONDUCTOR CONTROL COMPONENTS, THEIR ELECTRONIC COMPATIBILITY, AND PROTECTION. PART 2 TACKLES PARTS AND PRINCIPLES RELATED TO CIRCUITS SUCH AS SWITCHES; LINK FREQUENCY CHARGERS; CONVERTERS; AND AC LINE CONTROL, AND PART 3 COVERS THE APPLICATIONS FOR SEMICONDUCTOR CIRCUITS. THE TEXT IS RECOMMENDED FOR

ENGINEERS AND ELECTRICIANS WHO NEED A CONCISE AND EASILY ACCESSIBLE GUIDE ON POWER ELECTRONICS.

**ADVANCES IN ENGINEERING NETWORKS** - RODOLFO DE CASTRO 2020-09-09

THIS BOOK HIGHLIGHTS SOME OF THE LATEST RESEARCH ADVANCES AND CUTTING-EDGE ANALYSES OF REAL-WORLD CASE STUDIES ON INDUSTRIAL ENGINEERING AND OPERATIONS MANAGEMENT FROM DIVERSE INTERNATIONAL CONTEXTS, WHILE ALSO IDENTIFYING BUSINESS APPLICATIONS FOR THE LATEST FINDINGS AND INNOVATIONS IN OPERATIONS MANAGEMENT AND THE DECISION SCIENCES. IT GATHERS A SELECTION OF THE BEST PAPERS PRESENTED AT THE XXII INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND INDUSTRIAL MANAGEMENT, WHICH WAS PROMOTED BY ADINGOR (ASOCIACIÓ N PARA EL DESARROLLO DE LA INGENIERI A DE ORGANIZACIÓ N) AND HELD AT THE ESCOLA POLITÉCNICA SUPERIOR OF THE UNIVERSITAT DE GIRONA, SPAIN, ON JULY 12TH AND 13TH, 2018.  
**MANAGERIAL ECONOMICS** - HAROLD CRAIG PETERSEN 2008

**HANDBOOK OF PRODUCTION SCHEDULING** - JEFFREY W. HERRMANN 2006-08-18

THIS BOOK CONCENTRATES ON REAL-WORLD PRODUCTION SCHEDULING IN FACTORIES AND INDUSTRIAL SETTINGS. IT INCLUDES INDUSTRY CASE STUDIES THAT USE INNOVATIVE TECHNIQUES AS WELL AS ACADEMIC RESEARCH RESULTS THAT CAN BE USED TO IMPROVE PRODUCTION SCHEDULING. ITS PURPOSE IS TO PRESENT SCHEDULING PRINCIPLES, ADVANCED TOOLS, AND EXAMPLES OF INNOVATIVE SCHEDULING SYSTEMS TO PERSONS WHO COULD USE THIS INFORMATION TO IMPROVE THEIR OWN PRODUCTION SCHEDULING.

**HANDBOOK OF CONSTRUCTION MANAGEMENT** - P. K. JOY 1991

THIS IS THE REVISED AND ENLARGED SECOND EDITION OF THE WORLD'S FIRST COMPREHENSIVE GUIDEBOOK OF CONSTRUCTION MANAGEMENT WRITTEN BY A SINGLE AUTHOR, COVERING ALL ASPECTS OF GENERAL MANAGEMENT PRACTICES WITH THEIR NUANCES TO ENGINEERING PROJECT S CONSTRUCTI

**PRODUCTION MANAGEMENT** - MARLAND T. TELSANG 2007

**CAD/CAM** - P. N. RAO 2010

WITH THE ADVANCEMENT IN TECHNOLOGY, DEVELOPMENTS HAVE TAKEN PLACE IN THE CAD/CAM INDUSTRY TOO, IN THE LAST FEW YEARS. THE SECOND EDITION HAS MUCH ENHANCED COVERAGE ON CAD. THE APPLICATIONS OF CAD AND CAM ARE DISCUSSED IN DETAIL. HIGHLIGHTS OF THE SECOND.

**PRODUCTION AND OPERATIONS MANAGEMENT** - R. PANNEERSELVAM

2012-03-02

THIS WIDELY ADOPTED AND WELL-ESTABLISHED BOOK, NOW IN ITS THIRD EDITION, PROVIDES THE STUDENTS OF MANAGEMENT AND ENGINEERING WITH THE LATEST TECHNIQUES IN PRODUCTION AND OPERATIONS MANAGEMENT, CONSIDERED SO VITAL FOR MAXIMIZING PRODUCTIVITY AND PROFITABILITY IN BUSINESS. WHAT DISTINGUISHES THE TEXT IS A COMPREHENSIVE COVERAGE OF TOPICS SUCH AS CONTRACT LAWS, CAPACITY REQUIREMENT PLANNING, VENDOR EVALUATION INCLUDING AHP METHOD, QUALITY FUNCTION DEPLOYMENT, AND ENTERPRISE RESOURCE PLANNING. THE NEW TOPICS, WHICH ARE OF CURRENT INTEREST, ALONG WITH THE CHARACTERISTIC FEATURES AND EASY-TO-READ STYLE, WOULD ENHANCE THE VALUE OF THIS TEXT. THE BOOK IS PRIMARILY INTENDED AS A TEXT FOR POSTGRADUATE STUDENTS OF MANAGEMENT, UNDERGRADUATE STUDENTS OF MECHANICAL ENGINEERING AND UNDERGRADUATE AND POSTGRADUATE STUDENTS OF INDUSTRIAL, AND PRODUCTION ENGINEERING COURSES. THIS PROFUSELY ILLUSTRATED AND WELL-ORGANIZED TEXT WITH ITS FINE BLEND OF THEORY AND APPLICATIONS WOULD ALSO BE USEFUL FOR THE PRACTICING PROFESSIONALS. NEW TO THIS EDITION: OBJECTIVE TYPE QUESTIONS AT THE END OF EACH CHAPTER ADDITIONAL EXAMPLE PROBLEMS IN CHAPTERS 5 AND 17 XYZ, VED, FSN, AND SDE ANALYSES PROCESS PLANNING CASE STUDY IN CHAPTER 2 CASE STUDY QUESTIONS IN CHAPTERS 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, AND 15 HEURISTIC TO MINIMISE TOTAL TARDINESS IN SINGLE MACHINE SCHEDULING KEY FEATURES: FOCUSES ON PRODUCTIVITY RELATED CONCEPTS AND TECHNIQUES PROVIDES SOLVED EXAMPLES AT SUITABLE PLACES INCLUDES SUFFICIENT TABLES AND DIAGRAMS TO ILLUSTRATE THE CONCEPTS UPDATES THE READER WITH MANY EFFICIENT AND MODERN ALGORITHMS CONTAINS ANSWERS TO SELECTED QUESTIONS AND OBJECTIVE TYPE QUESTIONS  
**MANUFACTURING SCIENCE** - GHOSH 1990-11-01

**A TEXTBOOK OF WORKSHOP TECHNOLOGY** - RS KHURMI | JK GUPTA 2008

A TEXTBOOK OF WORKSHOP TECHNOLOGY (MANUFACTURING PROCESSES) TO THE STUDENTS OF DEGREE AND DIPLOMA OF ALL THE INDIAN AND FOREIGN UNIVERSITIES. THE OBJECT OF THIS BOOK IS TO PRESENT THE SUBJECT MATTER IN A MOST CONCISE, COMPACT, TO THE POINT AND LUCID MANNER. WHILE WRITING THE BOOK, WE HAVE CONSTANTLY KEPT IN MIND THE VARIOUS REQUIREMENTS OF THE STUDENTS. NO EFFORT HAS BEEN SPARED TO ENRICH THE BOOK WITH SIMPLE LANGUAGE AND SELF-EXPLANATORY DIAGRAMS. EVERY CARE HAS BEEN TAKEN NOT TO MAKE THE BOOK VOLUMINOUS, AS THE STUDENTS HAVE ALSO TO FACE OTHER SUBJECTS OF EQUAL IMPORTANCE.

**MACHINE LEARNING IN INDUSTRY** - SHUBHABRATA DATTA 2021-07-24

THIS BOOK COVERS DIFFERENT MACHINE LEARNING TECHNIQUES SUCH AS ARTIFICIAL NEURAL NETWORK, SUPPORT VECTOR MACHINE, ROUGH SET THEORY AND DEEP LEARNING. IT POINTS OUT THE DIFFERENCE BETWEEN THE TECHNIQUES AND THEIR SUITABILITY FOR SPECIFIC APPLICATIONS. THIS BOOK ALSO DESCRIBES DIFFERENT APPLICATIONS OF MACHINE LEARNING TECHNIQUES FOR INDUSTRIAL PROBLEMS. THE BOOK INCLUDES SEVERAL CASE STUDIES, HELPING RESEARCHERS IN ACADEMIA AND INDUSTRIES ASPIRING TO USE MACHINE LEARNING FOR SOLVING PRACTICAL INDUSTRIAL PROBLEMS.

**INDUSTRIAL ENGINEERING** - BOPAYA BIDANDA 2019-02-13

INDUSTRIAL ENGINEERING: MANAGEMENT, TOOLS, AND APPLICATIONS, THREE VOLUME SET PROVIDES INNOVATION APPLICATIONS AND CASE STUDIES THAT ARE DRAWN FROM MULTIPLE COUNTRIES. THE CHAPTERS IN THE BOOKS REPRESENT THE BEST PAPERS FROM THE INTERNATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING (IIIE) CONFERENCE HELD IN ISTANBUL IN JUNE 2013, SPONSORED BY THE II

**INTRODUCTION TO WORK STUDY** - 1977

**MAYNARD'S INDUSTRIAL ENGINEERING HANDBOOK** - HAROLD BRIGHT MAYNARD 1992

HERE AT LAST IS A MAJOR REVISION OF A DEFINITIVE REFERENCE ON INDUSTRIAL ENGINEERING PRINCIPLES AND PRACTICES. IT INCLUDES THESE TOPICS: THE INDUSTRIAL FUNCTION;

INDUSTRIAL ENGINEERING IN PRACTICE; METHODS ENGINEERING; WORK-MEASUREMENT TECHNIQUES; WORK-MEASUREMENT APPLICATION AND CONTROL; INCENTIVE PROGRAMS; MANUFACTURING ENGINEERING; HUMAN FACTORS, ERGONOMICS, AND HUMAN RELATIONS; ECONOMICS AND CONTROLS; FACILITIES AND MATERIAL FLOW; MATHEMATICS AND OPTIMIZATION TECHNIQUES; AND SPECIAL INDUSTRY APPLICATIONS. WITH 800 ILLUSTRATIONS AND AN INDEX.

**ADVANCES IN PRODUCTION AND INDUSTRIAL ENGINEERING** - P. M. PANDEY 2020-09-20

THIS BOOK COMPRISES THE SELECT PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN MECHANICAL AND INDUSTRIAL ENGINEERING (ICETMIE) 2019. THE CONFERENCE COVERS CURRENT TRENDS IN THERMAL, DESIGN, INDUSTRIAL, PRODUCTION AND OTHER SUB-DISCIPLINES OF MECHANICAL ENGINEERING. THIS VOLUME FOCUSES ON DIFFERENT INDUSTRIAL AND PRODUCTION ENGINEERING AREAS SUCH AS ADDITIVE MANUFACTURING, RAPID PROTOTYPING, COMPUTER AIDED ENGINEERING, ADVANCED MANUFACTURING PROCESSES, MANUFACTURING MANAGEMENT AND AUTOMATION, SUSTAINABLE MANUFACTURING SYSTEMS, METROLOGY, MANUFACTURING PROCESS OPTIMIZATION, OPERATIONS RESEARCH AND DECISION-MAKING MODELS, PRODUCTION PLANNING AND INVENTORY CONTROL, SUPPLY CHAIN MANAGEMENT, AND QUALITY ENGINEERING. THE CONTENTS OF THIS BOOK WILL BE USEFUL FOR STUDENTS, RESEARCHERS AND OTHER PROFESSIONALS INTERESTED IN INDUSTRIAL AND PRODUCTION ENGINEERING.

**ENGINEERING FLUID DYNAMICS 2018** - Bjarne H. HJERTAGER 2020-01-15

"ENGINEERING FLUID DYNAMICS 2018". THE TOPIC OF ENGINEERING FLUID DYNAMICS INCLUDES BOTH EXPERIMENTAL AS WELL AS COMPUTATIONAL STUDIES. OF SPECIAL INTEREST WERE SUBMISSIONS FROM THE FIELDS OF MECHANICAL, CHEMICAL, MARINE, SAFETY, AND ENERGY ENGINEERING. WE WELCOMED BOTH ORIGINAL RESEARCH ARTICLES AS WELL AS REVIEW ARTICLES. AFTER ONE YEAR, 28 PAPERS WERE SUBMITTED AND 14 WERE ACCEPTED FOR PUBLICATION. THE AVERAGE PROCESSING TIME WAS 37.91 DAYS. THE AUTHORS HAD THE FOLLOWING GEOGRAPHICAL DISTRIBUTION: CHINA (9); KOREA (3); SPAIN (1); AND INDIA (1). PAPERS COVERED A WIDE RANGE OF TOPICS, INCLUDING ANALYSIS OF FANS, TURBINES, FIRES IN TUNNELS, VORTEX GENERATORS, DEEP SEA MINING, AS WELL AS PUMPS.

**MACHINE TOOL DESIGN** - N. IGNATYEV 2000

THIS IS VOLUME 4 OF A FUNDAMENTAL FOUR-VOLUME WORK, TRANSLATED FROM THE CONSIDERABLY REVISED SECOND EDITION. IT SHOULD BE OF GREAT VALUE TO ENGINEERS ENGAGED IN THE DESIGN, MANUFACTURE AND MAINTENANCE OF MACHINE TOOL EQUIPMENT. IT CAN ALSO BE USED TO ADVANTAGE BY THE STUDENTS OF ENGINEERING INSTITUTES MAJORING IN PROCESS ENGINEERING, METAL-CUTTING MACHINE TOOLS OR CUTTING TOOL DESIGN. THE FIRST VOLUME DEALS WITH THE BASIC MACHINE TOOLS AND SPECIAL MACHINE TOOLS USED IN CUTTING TOOL PRODUCTION. THE CLASSIFICATION, TYPE AND SIZE RANGE, AND DESIGNATION OF MACHINE TOOLS, EMPLOYED IN SOVIET PRACTICE, ARE GIVEN IN DETAIL, TOGETHER WITH THE TYPES OF MOTION FOUND IN MACHINE TOOLS. METAL-CUTTING LATHES, TURRET LATHES, VERTICAL BORING MACHINES, AUTOMATIC AND SEMIAUTOMATIC LATHES, MILLING MACHINES AND MANY OTHER TYPES OF MACHINE TOOLS ARE DESCRIBED. SPECIAL ATTENTION HAS BEEN GIVEN TO MACHINE TOOLS DESIGNED FOR THE PRODUCTION OF CUTTING TOOLS. THESE INCLUDE GENERAL AND SINGLE-PURPOSE SEMIAUTOMATIC PRECISION THREAD-GRINDING MACHINES, AUTOMATIC AND SEMIAUTOMATIC TRACER-CONTROLLED LATHES WITH HYDRAULIC CONTROLS, JIG BORING MACHINES AND SPECIALIZED MACHINE TOOLS, AS WELL AS AUTOMATIC

TRANSFER MACHINES FOR CUTTING TOOL PRODUCTION. VOLUME TWO CONTAINS PARTS THREE AND FOUR. PART THREE DEALS WITH THE KINEMATICS OF MACHINE TOOLS. THIS BRANCH OF MACHINE TOOL DESIGN HAS BEEN STRICTLY SYSTEMATIZED BY THE AUTHOR AND IS SET FORTH WITH EXCEPTIONAL CLARITY. THE KINEMATIC STRUCTURES OF A GREAT MANY DIFFERENT TYPES OF MACHINE TOOLS, INCLUDING THE MOST COMPLEX GEAR-CUTTING MACHINES, ARE ANALYZED BY METHODS DEVELOPED IN THE TEXT WHICH TAKE INTO CONSIDERATION THE INTERRELATION BETWEEN THE WORKPIECE TO BE PRODUCED IN THE GIVEN MACHINE TOOL. PART FOUR TAKES UP HYDRAULIC DRIVES OF MACHINE TOOLS. IT CONTAINS ALL THE THEORETICAL AND PRACTICAL DATA REQUIRED IN THE APPLICATION OF FLUID POWER AND CONTROL SYSTEMS TO MACHINE TOOLS. VOLUME THREE CONTAINS PART FIVE AND THIS DEALS WITH MACHINE TOOL DESIGN PROPER. IT IS A COMPREHENSIVE SCIENTIFIC TREATMENT OF THE SUBJECT AND IS A REVISED AND COMPLEMENTED VERSION OF A PREVIOUS RUSSIAN EDITION WHICH HAS BECOME A RELIABLE REFERENCE BOOK FOR ALL SOVIET MACHINE TOOL ENGINEERS AND HAS BEEN TRANSLATED INTO FRENCH. SUCH QUESTIONS AS PERFORMANCE CRITERIA, BASIC DESIGN DATA, PRINCIPAL SPECIFICATIONS AND THE DEVELOPMENT OF THE KINEMATIC SCHEME OF A NEW MACHINE TOOL ARE DEALT WITH IN GREAT DETAIL. DESIGN RECOMMENDATIONS ARE GIVEN AS WELL AS THE NECESSARY CALCULATION DATA FOR THE BASIC ELEMENTS OF MACHINE TOOLS - SPEED AND FEED GEARBOXES, STEPLESS DRIVES, RAPID TRAVERSE MECHANISMS, SPINDLES AND SPINDLE BEARINGS, MECHANISMS FOR RECTILINEAR MOTION, SMALL DISPLACEMENT AND PERIODIC MOTION, REVERSING DEVICES, BEDS COLUMNS, TABLES AND OTHER HOUSING-TYPE COMPONENTS, SLIDWAYS AND ANTIFRICTION WAYS. THE FOURTH AND FINAL VOLUME COVERS AUTOMATIC MACHINE TOOLS AND TRANSFER MACHINES, AND MACHINE TOOL TESTING AND RESEARCH, PARTS SIX AND SEVEN OF THE COMPLETE WORK. PART SIX DEALS WITH THE FUNDAMENTAL PRINCIPLES OF MACHINE TOOL AUTOMATION, THE VARIOUS SYSTEMS OF NUMERICAL PROGRAMMED CONTROL THAT HAVE FOUND EXTENSIVE APPLICATION IN MODERN MACHINE TOOL DESIGN IN THE USSR AND OTHER COUNTRIES. MUCH SPACE HAS BEEN GIVEN TO AUTOMATIC TRANSFER MACHINES, INCLUDING IN-LINE, ROTARY, AND OTHER TYPES, THEIR LAYOUT, FEATURES, DESIGN PROCEDURES, STRUCTURE, AND OUTPUT. CURRENT METHODS OF TESTING AND INVESTIGATING THE GEOMETRICAL, KINEMATIC, DYNAMIC, AND OPERATIONAL CHARACTERISTICS OF MACHINE TOOLS ARE CONSIDERED IN PART SEVEN. METHODS OF TESTING THE QUALITY CHARACTERISTICS, OF DETERMINING THE CORRESPONDING CRITERIA (INDICES), AND OF USING CONTEMPORARY APPARATUS FOR THIS PURPOSE ARE DEALT WITH.

- RS KHURMI | JK GUPTA 2008

THE MULTICOLOR EDITION HAS BEEN THOROUGHLY REVISED AND BROUGHT UP-TO-DATE. MULTICOLOR PICTURES HAVE BEEN ADDED TO ENHANCE THE CONTENT VALUE AND TO GIVE THE STUDENTS AND IDEA OF WHAT HE WILL BE DEALING IN REALITY, AND TO BRIDGE THE GAP BETWEEN THEORY AND PRACTICE.

**HANDBOOK OF INDUSTRIAL ENGINEERING** - GAVRIEL SALVENDY 1982-05-14

A COMPREHENSIVE HANDBOOK THAT COVERS THE ENTIRE SPECTRUM OF MODERN INDUSTRIAL ENGINEERING FROM A PRACTICAL STANDPOINT. DESCRIBES AND DISCUSSES THE UTILITY OF AND WEIGHS ADVANTAGES AND LIMITATIONS OF THE METHODOLOGY FOR: METHODS OF ENGINEERING, PERFORMANCE MEASUREMENT, ERGONOMICS, MANUFACTURING ENGINEERING, QUALITY CONTROL, ENGINEERING ECONOMY, INFORMATION SYSTEMS, AND QUANTITATIVE METHODS. CASE STUDIES DEMONSTRATE NUMEROUS APPLICATIONS.