

Workshop Technology By Bs Raghuvanshi

Vol

Manufacturing Technology - II Manufacturing Processes (As Per the UPTU New Syllabus) Pediatric Nursing and Health Care Basic Mechanical Engineering Sensor-Based Sleep Stage Classification Using Deep Learning MANUFACTURING PROCESSES, SECOND EDITION Institutional and Industrial Safety Engineering Practices Arid Legumes for Sustainable Agriculture and Trade (Vol. 2) Genetical Research in India Advanced Manufacturing Processes International Books in Print Powder Metallurgy Aspects of Plant Sciences: Perspectives in plant sciences in India Proceedings of International Conference on Paradigms of Communication, Computing and Data Analytics Books from India Internet of Things and Connected Technologies Aspects of Plant Sciences Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma, Volume 3 Data Analytics and Artificial Intelligence for Earth Resource Management Micropropagation of Medicinal Plants: Volume 1 Dr. R. Kesavan S. K. Sharma Mr. Rohit Manglik Dharmendra Singh Xinyu Huang Kaushish, J. P. Abhishek Barua A. Henry P. L. Jaiswal Ranjeet Kumar Sahu Anil Kumar Sinha Parameswaran Krishnan Kutty Nair Anupam Yadav Rajiv Misra Ganji Purnachandra Nagaraju Deepak Kumar T. Pullaiah

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manufacturing processes is meant for the students of b tech in all branches of engineering namely mechanical electronics computer information technology

electrical and civil this book aims to fulfill specific need effectively from 2008-09 sessions

covers the principles of pediatric nursing including growth and development, health promotion, disease management and family centered care

Sleep is a cyclic physiological phenomenon, an important aspect of human life activity which like sport and diet is a nutritional element that ensures the growth and development of the organism under the influence of various factors such as work and study stress and metabolic disorders. More and more people suffer from various types of sleep disorders. Sleep has become an important research topic in recent years. Sleep stage analysis plays an important role in the early detection and treatment of sleep disorders. However, different age groups show different symptoms of sleep disorders and different sleep disorders show variability in their different sleep stages. The prevalence of sleep disorders is much higher in children than in adults. Although the classification of sleep stages in adults has been well studied, children show markedly different characteristics of sleep stages. Therefore, there is an urgent need for sleep stage classification in children. With the rapid development of intelligent computing technology, artificial intelligence has found wide application in medical research and health sciences. In recent years, in the field of sleep medicine, deep learning approaches can efficiently and automatically learn abstracted relevant sleep features from collected sleep data to accurately interpret children's sleep stages. Accordingly, compared to traditional sleep data analysis, this saves many manual and time resources for data annotation and helps sleep experts reduce the risk of misdiagnosing sleep disorders based on their prior knowledge. In this context, this book presents several advanced deep learning based approaches for sleep stage classification in children using time series polysomnography recordings acquired from clinical sensor devices. Significantly improved performance in classifying sleep stages in children suffering from sleep disorders demonstrates the great potential of joint research and development between artificial intelligence and the field of sleep medicine.

The revised and updated second edition of this book gives an in-depth presentation of the basic principles and operational procedures of general manufacturing processes. It aims at assisting the students in developing an understanding of the important and often complex interrelationship among various technical and economical factors involved in manufacturing. The book begins with a discussion on material properties while laying emphasis on the influence of materials and processing parameters in understanding manufacturing processes and operations. This is followed by a detailed description of various manufacturing processes commonly used in the industry with several revisions and the addition of four new chapters. The new edition also includes a detailed discussion on mechanics of metal cutting, features and working of machine tools, design of molds and gating systems for proper filling and cooling of castings. Besides, the new edition provides the basics

of solid state welding processes weldability heat in welding residual stresses and testing of weldments and also of non conventional machining methods automation and transfer machining machining centres robotics manufacturing of gears threads and jigs and fixtures the book is intended for undergraduate students of mechanical engineering production engineering and industrial engineering the diploma students and those preparing for amie indian engineering services and other competitive examinations will also find the book highly useful new to this edition includes four new chapters non conventional machining methods automation transfer machining machining centres and robotics manufacturing gears and threads and jigs and fixtures to meet the course requirements offers a good number of worked out examples to help the students in mastering the concepts of the various manufacturing processes provides objective type questions drawn from various competitive examinations such as indian engineering services and gate

this book is essential for anyone working in laboratories or workshops as it provides crucial insights into safety measures accident management and first aid procedures that are often lacking in institutional guidelines most institutions lack a collective manual or guidelines that inform individuals working in laboratories or workshops about safety precautions or how to deal with accidents that occur on the premises this leaves a gap that may result in fatalities or collateral damage institutional and industrial safety engineering practices will provide insight into the safety measures that should be followed for the proper functioning of laboratories and workshops present in an institution it will also help readers deal with any accident or fire hazard occurring on the premises and provide steps for first aid after reading this book readers will be able to comprehend the ideas and challenges linked to industrial safety the incorporation of safety at the design stage to improve safety performance and the analysis prediction and reduction of risks via the use of analytics and safety management this book will also include safety key performance indicators used in various industries which will assist readers in taking preventative measures at their workplace to avoid accidents the rules of occupational safety and health management which are responsible for preserving worker health and safety are also covered

the volume contents aspects as crops i e clusterbean mothbean cowpea horsegram mungbean rice bean indian bean winged bean and other minor pulses grown in arid and semi arid regions

contributed articles

contributed articles

this book is a collection of selected high quality research papers presented at international conference on paradigms of communication computing and data analytics pccda 2023 held at south asian university new delhi india during 22 23

april 2023 it discusses cutting edge research in the areas of advanced computing communications and data science techniques the book is a collection of latest research articles in computation algorithm communication and data sciences intertwined with each other for efficiency

this book presents the recent research adoption of a variety of enabling wireless communication technologies like rfid tags ble zigbee etc and embedded sensor and actuator nodes and various protocols like coap mqtt dns etc that has made internet of things iot to step out of its infancy to become smart things now smart sensors can collaborate directly with the machine without human involvement to automate decision making or to control a task smart technologies including green electronics green radios fuzzy neural approaches and intelligent signal processing techniques play important roles in the developments of the wearable healthcare systems in the proceedings of 5th international conference on internet of things and connected technologies iciotct 2020 brought out research works on the advances in the internet of things iot and connected technologies various protocols standards etc this conference aimed at providing a forum to discuss the recent advances in enabling technologies and applications for iot

theranostics and precision medicine for the management of hepatocellular carcinoma translational and clinical outcomes volume three provides comprehensive information about ongoing research and clinical data on liver cancer the book presents detailed descriptions about diagnostics and therapeutic options for easy understanding with a focus on precision medicine approaches to improve treatment outcomes this updated volume discusses topics such as clinical and safety assessment of hcc patients liver transplantation as a therapeutic option immunotherapy interventions and image based surveillance in addition it discusses immunohistology of hcc enabled precision medicine and artificial intelligence for hepatocellular carcinomas this is a valuable resource for cancer researchers oncologists graduate students hepatothologists and members of biomedical research who need to understand more about liver cancer to apply in their research work or clinical setting provides bestpractices for the management of hepatocellular carcinoma in the clinical setting discusses emerging treatment approaches based on artificial intelligence and precision medicine tools and techniques brings updated information on international clinical trials for the treatment of hcc

data analytics and artificial intelligence for earth resource management offers a detailed look at the different ways data analytics and artificial intelligence can help organizations make better informed decisions improve operations and minimize the negative impacts of resource extraction on the environment the book explains several different ways data analytics and artificial intelligence can improve and support earth resource management predictive modeling can help organizations understand the impacts of different management decisions on earth resources such as water availability land use and biodiversity resource monitoring tracks the state

of earth resources in real time identifying issues and opportunities for improvement providing managers with real time data and analytics allows them to make more informed choices optimizing resource management decisions help to identify the most efficient and effective ways to allocate resources predictive maintenance allows organizations to anticipate when equipment might fail and take action to prevent it reducing downtime and maintenance costs remote sensing with image processing and analysis can be used to extract information from satellite images and other remote sensing data providing valuable information on land use water resources and other earth resources provides a comprehensive understanding of data analytics and artificial intelligence ai for earth resource management includes real world case studies and examples to demonstrate the practical applications of data analytics and ai in earth resource management presents clear illustrations diagrams and pictures that make the content more understandable and engaging

this volume presents information about protocols for micropropagation of more than 40 species of medicinal plants the contents combine knowledge about the scientific principles of micropropagation with state of the art updates in tissue culture techniques presented by plant scientists the readers will learn about techniques required to grow plants in challenging conditions that aim to reduce the impacts of injudicious harvesting deforestation climate change pollution urbanization and other factors that limit the ability to meet current demand general topics such as biotization and pharmaceutical investigation are also included to guide readers about the significance of these plants in research and development for new medicines the book provides protocols for micropropagation of important medicinal plants like rauwolfia serpentina catharanthus roseus withania somnifera tylophora indica bacopa monnieri aloe vera phyllanthus amarus allium sativum moringa oleifera operculina turpethum glycyrrhiza glabra pterocarpus marsupium vetiver grass ruta graveolens tinospora cordifolia kaempferia hedychium decalepis hamiltonii saraca asoca wrightia tinctoria wrightia arborea artemisia absinthium aegle marmelos atropa acuminata atropa belladonna alpinia species hedychium species and cissus species this book is a handy reference for medicinal chemists horticulturists and pharmacists who want to learn about the growth and conservation of important medicinal herbs and plants readership medicinal chemists horticulturists and pharmacists

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