

First Year Engineering Calicut University Mechanics

This book provides insights of World Conference on Smart Trends in Systems, Security and Sustainability (WS4 2021) which is divided into different sections such as Smart IT Infrastructure for Sustainable Society; Smart Management prospective for Sustainable Society; Smart Secure Systems for Next Generation Technologies; Smart Trends for Computational Graphics and Image Modeling; and Smart Trends for Biomedical and Health Informatics. The proceedings is presented in two volumes. The book is helpful for active researchers and practitioners in the field.

*This book presents select proceedings of the International Conference on Renewable Energy Systems (ICRES 2020). It focuses mainly on the concepts of electric vehicle, selection of batteries, selection of electric motors for specific capacity vehicles, design of controllers, battery chargers and development of testing facility. It presents the importance of energy storage system and modeling aspects of battery, super capacitor, flywheel energy storage and Superconducting magnetic energy storage systems. The book comprehensively presents the integration of renewable energy sources with smart grid, smart grid technologies and equipment, grid interconnection issues and design of intelligent controllers for grid connected system. The state-of-the-art technologies such as charging infrastructure for electric vehicles, robotic applications in energy, energy education and informatics are also covered in this book. This book will benefit the students and researchers in the field of electronics and electrical engineering, energy engineering, automotive engineering, e-mobility specialists and industrial experts. Engineering Mathematics II has been written for first year students of Calicut University. The book has been developed to facilitate physical interpretation of concepts and application of the various notions in engineering and technology. The solved examples given in the book are a significant value-addition. Author's long experience of teaching various grades of students has contributed towards the quality of this book. An emphasis on various techniques of solving complex problems will be of immense help to the students. **KEY FEATURES** • Brief but thorough discussion of theory • Examination-oriented*

approach • Techniques for solving difficult questions • Solutions to a large number of technical problems

Bulletin of the Institution of Engineers (India).

SOUVENIR of 3rd International Science Congress ISC-2013

Sustainable Bioprocessing for a Clean and Green Environment

Intelligent Sustainable Systems

Stance and Voice in Written Academic Genres

A Statistical Portrait of the Kerala University

The book is written per the syllabus of first year engineering degree course for various universities. It covers basic topics of electrical, electronics and communication engineering. It also includes worked out examples, University examination questions and answers, exercise, etc in every chapter. This book is suitable for course in basic electrical and electronics engineering under various Universities. Authors have tried to elucidate the topics in such a way that even a mediocre student can assimilate them. Many solved problems, sample question papers and exercise given in every section will provide a thorough understanding of the topics. Other features include attractive writing style, well structured equations and numerical examples, pictures of high clarity, etc. This book is one among prescribed textbooks for the syllabus of BIT, Mesra, Ranchi.

Many business executives are increasingly becoming workaholic human-doings, longing to be full and integrated human-beings. They aspire to live with integrity, where their thoughts, values, words and deeds are in harmony. The problem is that they don't know how to do so in a business world that is increasingly characterised by complexity, turbulence and greed. *Leading with Wisdom* provides food for thought for people dealing with these challenges. It contains stories and reflections of 31 inspiring and compassionate business leaders who care about what is truly important in life and who integrate this awareness and sensitivity into their leadership. Leaders who search for meaning, purpose and fulfilment both in the external world of business and in the internal world of consciousness and conscience. Leaders whose leadership is a natural expression of their hearts, minds and souls. In other words, leaders who lead from a spiritual basis. Such

perspectives on leadership are not yet mainstream. Greed, prestige and power appear to still be prime motivating forces for leaders of the world's larger corporations. In spite of 25 years of globalisation, poverty is still devastatingly ubiquitous in many parts of the world. In striking contrast, the compensation packages of top leaders in business, particularly in the West, have skyrocketed, reaching levels that would have been considered impossible only a decade ago. What is clearly needed is a change in the mind-set, values and principles of our leaders, as well as of those who finance our enterprises, and of those who teach and mentor our future leaders. At the very minimum, what is needed is an expansion of the concept of 'success' so that it transcends the prevailing myopic focus on short-term financial gains. It can be argued that this rampant greed is gradually being tamed, not just by laws, but also by social and ethical norms. In the last two decades there has been an amazing and uplifting focus on such perspectives as business ethics, corporate social responsibility and sustainability. But when leaders are questioned as to why they and their organisations should promote this new and expanded sensitivity to corporate responsibility, their 'default' answer typically is that it is profitable - an efficacious means to promote classical business ends of increasing earnings and share prices. But how and why should such an expanded concept of leadership develop? What should provide the motivation for our leaders to find their way in an increasingly complex business world by using a compass that points not only to a pot of gold, but also to a path to deeper meaning and purpose in business? This book does not provide answers in the form of proposals as to new rules or laws or moral injunctions. Rather it provides a collage of perspectives in the form of stories of highly respected and successful executives who have integrated their spiritual search into their leadership so as to be "whole" people - leaders whose thoughts, words and deeds are in harmony with their most fundamental truths and longings, both at work and in their private lives. These stories tell of an emerging culture where business becomes a primary domain for both individual and organisational spiritual growth. Leading with Wisdom: Spiritual-Based Leadership in Business portrays an emerging global culture. This ground-breaking book offers the experiences and perspectives of 31 top executives from 15

countries in 6 continents. It is based on extensive personal interviews. These are business people who express from first-hand experience what it is like to lead a business from a spiritual basis. They tell amazing, down-to-earth, real-life stories about how spirituality and rationality can go hand in hand in leadership and life. Their words of wisdom demonstrate that executives who lead from a spiritual basis can achieve success, recognition, peace of mind and happiness, while at the same time serving the needs of all those affected by their leadership. Written in an engaging style, where the special "voice" of each leader is heard, this book will be profoundly valuable to business leaders at every level and for all people who want to lead with integrity from a spiritual basis.

Stance and Voice in Written Academic Genres brings together a range of perspectives on two of the most important and contested concepts in applied linguistics: stance and voice. International experts provide an accessible, yet authoritative introduction to key issues and debates surrounding these terms.

Interdisciplinary Considerations

Leading with Wisdom

Africa, Arab States, Asia, Latin America

Annual Report

Basics of Electrical Electronics and Communication Engineering

Concepts and Applications

Developing new approaches and reliable enabling technologies in the healthcare industry is needed to enhance our overall quality of life, healthier, innovative, and secure society. Further study is required to ensure these current technologies, such as big data analytics and artificial intelligence, are utilized to their utmost potential and are appropriately applied to advance society. Big Data Analytics and Artificial Intelligence in the Healthcare Industry discusses technologies and emerging topics regarding reliable and innovative solutions applied to the healthcare industry. It considers various applications, challenges, and issues of big data and artificial intelligence for enhancing our quality of life. Covering a range of topics such as electronic health records, machine learning, and e-health, this reference work is ideal for healthcare professionals, computer scientists, analysts, researchers, practitioners, scholars, academicians, instructors, and students.

Using interdisciplinary approaches to strategic management can strengthen the decision making process. Incorporating various methods can encourage productivity, expand knowledge of participants, and increase technical proficiency. Analytical Approaches to Strategic Decision Making: Interdisciplinary Considerations aims to integrate different techniques into the world's fast-changing and dynamic society to better equ

and practitioners with the most effective knowledge. Managers, CEOs, researchers, and academics in the fields of business and leaders benefit from this valuable resource through an enhanced understanding of best practices in decision-making and management.

International Science Congress Association organized 3rd International Science Congress (ISC-2013), with "Innovation with Global Responsibility" as its Focal Theme. ISC-2013 is divided in 20 sections. A total number of 900 Research Papers and 1000 registrations from 36 countries have been received. They are mainly from India, Iran, Sudan, Iraq, South Africa, Phillipines, Pakistan, Nighana, Erode, Czech Republic, Bangladesh, Swaziland, Jordan, USA, Thailand, Japan, Malaysia, Kazakhstan, UK, Colombia, Nepal, Italy, Bulgariya, Cameroun, France, Greece, Kazakhstan, Korea, Lithuania, Nigeria, Poland, Romania, Slovakiya, Ukraine, Venezuela and Turkey.

Geocells

Directory of Engineering Education Institutions

From Physiology and Chemistry to Biochemistry

Handbook of Research on Social and Cultural Dynamics in Indian Cinema

Engineering Mathematics-II (Calicut University, Kerala)

India in a Comparative Perspective

India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and cultural diverse. Vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The country was home to Takshashila, the first university in the world and Aryabhama, the inventor of the digit Zero. In fact, education in Kerala has now become more value added and affordable, thanks to the pro-active initiatives of the State Government and active involvement of the private sector. Moreover, in the higher education market, Kerala has a significant edge in respect of cost which means that there would be growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come. With the most sought after professionals and excellent network of institutes Kerala is becoming the very preferred educational destination in the world. And, we are equipped for you with some elucidations which step-up her significance in the educational map. In Campus Plus, we propose some valuable information along with a number of educational institutes in the State

which will be useful for the students and parents in the higher education scenario. This book presents the select proceedings of International Conference on Innovations in Thermo-Fluid Engineering and Sciences (ICITFES 2020). It covers the theoretical and experimental research works carried out in the field of energy and power engineering. Various topics covered include fluid mechanics, gas turbines and dynamics, heat transfer, humidity and control, multiphase flow, ocean engineering, power and energy, refrigeration and air conditioning, renewable energy, and thermodynamics. The book will be helpful for the researchers, scientists, and professionals working in the field of energy, power engineering, and thermal engineering.

In today's global context, there has been extensive research conducted in reducing harmful emissions to conserve and protect our environment. In the automobile and power generation industries, diesel engines are being utilized due to their high level of performance and fuel economy. However, these engines are producing harmful pollutants that contribute to several global threats including greenhouse gases and ozone layer depletion. Professionals have begun developing techniques to improve the performance and reduce emissions of diesel engines, but significant research is lacking in this area. Recent Technologies for Enhancing Performance and Reducing Emissions in Diesel Engines is a pivotal reference source that provides vital research on technical and environmental enhancements to the emission and combustion characteristics of diesel engines. While highlighting topics such as biodiesel emulsions, nanoparticle additives, and mathematical modeling, this publication explores the potential additives that have been incorporated into the performance of diesel engines in order to positively affect the environment. This book is ideally designed for chemical and electrical engineers, developers, researchers, power generation professionals, mechanical practitioners, scholars, ecologists, scientists, graduate students, and academicians seeking current research on modern innovations in fuel processing and environmental pollution control.

Campus Plus 2019

Advances and Applications

Journal of the Institution of Engineers (India).

Industry Applications Society ... IEEE/IAS International Conference on Industrial Automation

and Control (IA&C ...).

Campus Plus 2014

Select Proceedings of ICRES 2020

Sustainable Bioprocessing for a Clean and Green Environment: Concepts and Applications highlights the importance of waste to health in which waste is safely converted to value-added products via bioprocess technologies. Providing fundamental concepts and applications, this book also offers readers the methodology behind the operation of a variety of biological processes used in developing valuable products from waste. Features: Discusses synthesis and use of environmentally friendly biobased materials, such as biopolymer films and biobased plasticizers Highlights nanotechnology applications in the treatment of pollution and emphasizes the synthesis of biogenic nanomaterials for environmental remediation Describes the use of biosurfactants and emerging algal technologies, such as applications of microalgae in nutraceuticals and biofuel production Details delignification for lignocellulosic biomass This interdisciplinary book offers researchers and practitioners in chemical engineering, environmental engineering, and related fields a broad perspective on fundamentals, technologies, and environmental applications of sustainable bioprocessing.

India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and cultural diversity. A vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The country was home to Takshashila, the first university in the world and Aryabhama, the inventor of the digit Zero. In fact, education in Kerala has now become more value-added and affordable, thanks to the proactive initiatives of the State Government and the active involvement of the private sector. Moreover, in the higher education market, Kerala has a significant edge in respect of cost which means that there would be a growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come. With the most sought-after professionals and an excellent network of institutes, Kerala is becoming the very preferred educational destination in the world. And, we are equipped for you with some elucidations which step-up her significance on the educational map. In Campus Plus, we propose some valuable information along with a number of educational institutes in the State which will be useful for the students and parents in the higher education scenario.

The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General,

Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

Campus Plus 2013

Campus Plus 2018

Campus Plus 2020

Spiritual-based Leadership in Business

Innovations in Energy, Power and Thermal Engineering

Big Data Analytics and Artificial Intelligence in the Healthcare Industry

India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and culturally diverse. The vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The country was home to Takshashila, the first university in the world and Aryabhata, the inventor of the digit Zero. In fact, education in Kerala has now become more value-added and affordable, thanks to the pro-active initiatives of the State Government and active involvement of the private sector. Moreover, in the higher education market, Kerala has a significant edge in respect of cost which means that there would be growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come. With the most sought-after professionals and the excellent network of institutes, Kerala is becoming the very preferred educational destination in the world. And, we are equipped for you with some elucidations which step-up her significance in the educational map. In Campus Plus, we propose some valuable information along with a number of educational institutes in the State which will be useful for the students and parents in the higher education scenario.

Cinema in India is an entertainment medium that is interwoven into society and culture at large. It is clearly evident that continuous struggle and conflict at the personal as well as societal levels is depicted in cinema in India. It has become a reflection of society both in negative and positive ways. Hence, cinema has become an influential factor and one of the largest mass communication mediums in the nation. Social and

Cultural Dynamics in Indian Cinema is an essential reference source that discusses cultural and societal issues including caste, gender, oppression, and social movements through cinema and particularly in specific language cinema and culture. Featuring research on topics such as Bollywood, film studies, and gender equality, this book is ideally designed for researchers, academicians, film studies students, and industry professionals seeking coverage on various aspects of regional cinema in India.

From Physiology and Chemistry to Biochemistry features ten prominent scientists offering perspectives and insights from the fields of physiology, plant biology, microbiology, genetics, biophysics, molecular biology, immunology and biotechnology to answer questions with regard to India. They examine major discoveries, developments and research that shaped the direction of the discipline along with the research groups and institutions involved. Issues such as ethical implications of new developments in biotechnology, and practical applications of research in agriculture, medicine, forensics, industry are discussed.

Recent Technologies for Enhancing Performance and Reducing Emissions in Diesel Engines

Campus Plus 2017

Campus Plus 2015

The Assam Gazette

Indian Engineering

The book discusses the significance of the education loan as a tool for financing the higher education of students of all backgrounds in developing countries with special reference to India. The academic cost of providing greater access to higher education with emphasis on quality is disproportionately high in several developing countries and, as such, there is a need to raise more resources to meet the different components of costs of higher education such as academic costs, academic support cost and student welfare costs. There is also an emerging need for raising resources from non-government sources to fund higher education. The education loan within an appropriate framework of inclusiveness is a significant non-government source of finance. The book deals with different models of education loan systems prevailing in various countries and covers Indian experiences in the area of education loans, as a case study of a developing country. Based on field studies conducted in four Indian states, the book explains that the higher education loan system in India has not been inclusive of poorer sections of society, particularly people from rural areas. The book also includes an elaborate discussion on the operation of education loans given by banks in four Indian states and examines various issues of the education loan system and formulates an action plan to popularize it as a tool for financing higher education in developing countries. The book will interest scholars and practitioners in the areas of education, banking and finance generally, and development economics in particular.

This book is designed to serve as a comprehensive resource on cellular confinement systems or geocells, covering technologies and their applications in geotechnical engineering. The book discusses all aspects of geocells and related technologies, and covers the subjects from conceptual basics to recent advances. The chapters of this book are written by renowned international experts and its contents include detailed case studies from both academic and industry experts. This book is a one-stop reference work for academicians, students, and practicing engineers in the global geotechnical

community.

Vidya Academy of Science & Technology (VAST) is a state-of-the-art engineering college conforming to international standards. This model engineering college is approved by AICTE and affiliated to the University of Calicut & APJ AKTU, Kerala. In few years VAST has evolved and achieved recognition as a notable School of Engineering with its competent and committed faculty, high quality infrastructure and high technology teaching aids ,and by providing a serene atmosphere that complements academic life. VAST has a holistic approach to education where academic training goes hand in hand with offerings that develop the body,mind and soul to prepare its graduates to be future leaders..

Emerging Solutions for e-Mobility and Smart Grids

Analytical Approaches to Strategic Decision-Making: Interdisciplinary Considerations

Administration Report

Handbook of Universities

Journal of the Institution of Engineers (India)

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A Textbook of Engineering Mathematics

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Selected Papers of WorldS4 2021, Volume 2

VAS BROCHURE 2016

VAS BROCHURE 2018

VAS BROCHURE 2017

Education Loan and Inclusive Growth

Civil Engineering Division