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This book comprises the select proceedings of the International Conference on Future Learning Aspects of Mechanical Engineering (FLAME) 2020. This volume focuses on several emerging interdisciplinary areas involving mechanical engineering. Some of the topics covered include automobile engineering, mechatronics, applied mechanics, structural mechanics, hydraulic mechanics, human vibration, biomechanics, biomedical Instrumentation, ergonomics, biodynamic modeling, nuclear engineering, and agriculture engineering. The contents of this book will be useful for students, researchers as well as professionals interested in interdisciplinary topics of mechanical engineering. Discusses the general theory of relativity, Lie derivatives, rotating black holes, with a focus on basics of cosmology and astrophysics. The book highlights recent developments in the field of spectroscopy by providing the readers with an updated and high-level of overview. The focus of this book is on the introduction to concepts of modern spectroscopic techniques, recent technological innovations in this field, and current examples of applications to molecules and materials relevant for academia and industry. The book will be beneficial to researchers from various branches of science and technology, and is intended to point them to modern techniques, which might be useful for their specific problems. Spectroscopic techniques, that are discussed include, UV-Visible absorption spectroscopy, XPS, Raman spectroscopy, SERS, TERS, CARS, IR absorption spectroscopy, SFG, LIBS, Quantum cascade laser (QCL) spectroscopy, fluorescence spectroscopy, ellipsometry, cavity-enhanced absorption spectroscopy, such as cavity ring-down spectroscopy (CRDS) and evanescent wave-CRDS both in gas and condensed phases, time-resolved spectroscopy etc. Applications introduced in the different chapters demonstrates the usefulness of the spectroscopic techniques for the characterization of fundamental properties of molecules, e.g. in connection with environmental impact, bio-activity, or usefulness for pharmaceutical drugs, and materials important e.g. for nano-science, nuclear chemistry, or bio-applications. The book presents how spectroscopic techniques can help to better understand substances, which have also great impact on questions of social and economic relevance (environment, alternative energy, etc.). The book "Technology in Forensic Science" provides an integrated approach by reviewing the usage of modern forensic tools as well as the methods for interpretation of the results. Starting with best practices on sample taking, the book then reviews analytical methods such as high-resolution microscopy and chromatography, biometric approaches, and advanced sensor technology as well as emerging technologies such as nanotechnology and taggant technology. It concludes with an outlook to emerging methods such as AI-based approaches to forensic investigations. Today gender studies as an interdisciplinary academic field has gained much momentum in India. Contrary to conventional idea that a person born either as a boy or a girl must conform to his or her sex in his or her growth, dress and behaviour, modern Indian outlooks have rather started changing with the fast approaching new gender free world crowded with agender, bigender, genderfluid, genderqueer, non-binary and third gender people against conventional gender binary- male and female. Last few years, apart from schemes for women's security and empowerment, have also seen the announcement of many welfare schemes for the health and well-being of third gender people of India and decriminalisation of homosexuality from Indian soil. With same spirit, the present anthology is an endeavour to shed some light on the glaring issues of rape, abuse, discrimination, exploitation and violence arising out of gender essentialism in Indian context. The anthology, with an aim to serving larger sections of humanity, covers twenty seven multidisciplinary articles hardly missing any aspect untouched from this field of study in Indian context. This book brings to life the world of caravan trade--constituting not only merchants, but also pilgrims, pastoralists, and mercenaries; flows not only of goods, credit and money, but also of ideas, secret intelligence and fighting power. Contrary to the view that the ages of sail and steam rendered obsolete these more 'archaic' forms of overland connectivity, Jagjeet Lally demonstrates how the annual transhumance between North India and the Central Asian steppe was critical to the production and exercise of political power into the nineteenth century. Central to this narrative is the waning of the Mughal Empire and the emergence in the mid-eighteenth century of a new Afghan kingdom, whose leaders drew their power from the financial flows and force of arms moving through the networks of caravan trade, and who thus patronised the continued traffic between India and inland Eurasia. India and the Silk Roads is a global history of a continental interior, the first to comprehensively examine the textual and material traces of caravan trade in the 'age of empires'. Lally tells a story resonating with our own times, as China's Belt and Road Initiative once again transforms life across Eurasia. This book is a detailed account of the multi-faceted history of the Deccan. Beginning with its historical foundations it goes on to delineate how it is the key

to understanding its social, economic, political and ideological evolution. Containing nine essays, this volume attempts to look at regional history from the perspective of given localities that provides the many facets of early Deccani society and culture. Hitherto, this was mainly articulated in terms of the broad categories of language and religion in the many historical studies of present-day linguistic states. In focussing on local spatial contexts as the primary layer of historical reality, the book has relied on multiple sources of information, largely extant archaeological material while also drawing information from inscriptions, textual material and oral memory. The book also reflects on the important events of various periods by placing them as part of larger social and economic processes emanating from the local. The essays in this collection have been presented thematically moving from general issues discussed in Part I to the more particular in Part II and finally, to reflect on the multiplicity and simultaneity of different kinds of processes in a constant state of negotiation, in Part III. The historical sensibilities of people in various locations right from Kotalingala and Dhulikatta to Phanigiri, Patancheru, Kondapur and Nanakramguda and from Thotlakonda to Nagarjunakonda, Amaravati, Vaddamanu and Shraavan Belgola have been recounted. Please note: Taylor & Francis does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka. "Bhutan represents a political system which coalesces the rhetorical acquiescence of democracy with illiberal authoritarian attributes under the former royalist shadow. The camouflage of this kind of authoritarian regime is not yet a democracy but is instead a new form of semi-authoritarian "Jigmeocracy"; an old Jigme system with new labels." The ultimate goal of crop production is to provide quality produce to consumers at reasonable rates. Most fresh produce is highly perishable, and postharvest losses are significant under the present methods of management in many countries. However, significant achievements have been made during the last few years to curtail postharvest losses in fr The author is glad to present to the readers, the book titled "Fuzzy Decision Making Tools to Sieve out the Poor in Nalanda District, Bihar". The book is all about 'how to identify and how to aggregate the poor' in any given socio-economic context or condition, using the concept of Fuzzy Logic and Fuzzy Sets. This book will serve research students in applied mathematics and it will also be helpful to those who are involved in making socio-economic decision to distribute the resources available at their disposal. Why and How this book came into Being Decision making over the issue of 'how to measure poverty' has always been the subject of contentious debate for an economist, for a government, for a statistician, for a mathematician, or for any socio-economic plan. Several Decision Methods have been adopted to decide who would be considered poor or who would not. For examples: (i) Absolute and Relative Poverty Line Method, (ii) Uni- dimension poverty Method (iii) Income-Expenditure Method (iv) Head Count Ratio (HCR), (v) Income Gap Ratio (IGR) (vi) Poverty Gap Ratio (PGR), (vii) Advance Measure Method: – Foster-Greer-Thorbecke Measure, Sen – Shorrocks – Thon measure (SST), and Sen Index (viii) Multi-dimensional Poverty Approach :- (i) Counting Multi-dimensional Poverty (ii) Multi-dimensional Poverty Index (MPI) , and (iii) Capability Approach. These above mentioned methods were used at the global level. Identification of poor and non-poor in India is done based on Uni-dimensional model that is to say Income-consumption and expenditure model using following experts committee reports: (i) Dandekar and Rath (ii) Y.K. Alagh (iii) Lakdawala (iii) Suresh Tendulkar Committee (iv) C. Rangarajan Committee:- Modified Mixed Reference Period (MMRP), Poverty Line Basket (PLB), and Socio-Economic and Caste Census (SECC) 2011: BPL Identification in 2015. Nevertheless, every state in India is free to set its own standard of method to scale out the poor. The state of Bihar adopted the method of A Score Based Ranking Methodology to identify the poor. In Mathematical Modelling context all the above mentioned methods of making decisions fall under Crisp Decision Approach based on Aristotelian logic and Crisp Sets. In response to this method of decision making approach, fuzzy decision making approach was suggested as a better alternative to the process of poverty measurement method. Andrea Cerioli and Sergio Zani were the first one to apply fuzzy logic to poverty assessment in the year 1990. Later, Chiappero Martinetti and Qizilbash added the intrinsic vagueness of being poor by using so – called membership function for the identification of the poor. As the research continued further some more methods were addressed such as Totally Fuzzy (TF), Totally Fuzzy and Relative (TFR), Integrated Fuzzy Approach (Multidimensional and Longitudinal) to apply to identify and aggregate the poor. Key Concepts and Techniques This book further develops and introduces a new approach suggesting Multi-Criteria Fuzzy Decision-making Tools and Fuzzy Set Theory to capture the extent of poverty of households accommodating both the quantitative and qualitative factors such as Roti (Food), Kapda (Clothing), Makaan (Housing), Kaam (Job), and Samman (Social Status) and their fourteen respective sub-criteria. The fuzzification process is carried out by using Pentagonal Fuzzy Numbers (PFNs) and by introducing Stratified Fuzzy Analytical Hierarchy Process (SFAHP). Fuzzy poverty categorization is carried out by introducing Fuzzy Sieve Technique (FST). The judgment and scaling of the criteria and sub-criteria are done by adopting participative decision making method (interview method based on questionnaires). Stratified Fuzzy Analytical Hierarchy Process (SFAHP) categorizes the group of the poor into five subgroups such as (i) very poor, (ii) almost very poor (iii) poor, (iv) rather poor and (v) non-poor. Our fuzzy tools and methods are applied to the case study in Nalanda District, Bihar, India. The book also highlights the comparative studies between three models such as Analytical Hierarchy Process (AHP), Fuzzy Analytical Hierarchy Process (FAHP) and Stratified Analytical Hierarchy Process (SFAHP). The final

results justify that Stratified Fuzzy Analytical Hierarchy Process (SFAHP) gives better results in identifying the Poverty Status. Special Features Computer Algorithmic approach via MATLAB: (Programme for 5 X 5 Matrix) is given to calculate the fuzzy centre value by using Matlab m-file which will minimize the time in carrying out the fuzzification and normalization process to measure poverty status. At the end the author shall ever be grateful to the inquisitive researchers and socio-economic planners for their valuable suggestions for further improvement of this book. DR. RAJ KUMAR St. Xavier's College of Management and Technology, Patna Digha Ashiyam Road -11. Affiliated to AKU, Patna, Bihar, India This book examines key issues concerning land acquisition, and puts forward policy suggestions. Land acquisition is one of the most important issues besetting India's political economy today. There have been many conflicts surrounding acquisitions; but there have been ample peaceful acquisitions, too. Growth in any economy requires more land. Hence in India too, in the future more and more land will be required for the purposes of infrastructure expansion, industrialization, urbanization etc. The book also examines a number of broader policy issues in the context of land reforms and shows how a successful resolution of the land acquisition matter is vital to attaining a high rate of growth. Using a case study method, the book examines the process of land acquisition in detail and its implications for farmers. It finds that the development of acquired land leads to higher growth and higher employment; and it also leads to improvements for the dalits (the backward class people). Benefits in terms of higher revenues for the government are also observed. It argues that, if the acquisition process is properly executed, those farmers who lose land will not oppose acquisition but will instead become partners in the process of growth. The book expounds the major topics in the special theory of relativity. It provides a detailed examination of the mathematical foundation of the special theory of relativity, relativistic mass, relativistic mechanics and relativistic electrodynamics. As well as covariant formulation of relativistic mechanics and electrodynamics, the book discusses the relativistic effect on photons. Using a mathematical approach, the text offers graduate students a clear, concise view of the special theory of relativity. Organized into 14 chapters and two appendices, the content is presented in a logical order, and every topic has been dealt with in a simple and lucid manner. To aid understanding of the subject, the book provides numerous relevant worked examples in every chapter. The book's mathematical approach helps students in their independent study and motivates them to research the topic further. Life Cycle Assessment of Wastewater Treatment addresses in detail the required in-depth life cycle assessment of wastewater treatment. This is to meet the special demands placed upon wastewater treatment processes, due to both the limited quantity and often low quality of water supplies. Wastewater management clearly plays a central role in achieving future water security in a world where water stress is expected to increase. Life cycle assessment (LCA) can be used as a tool to evaluate the environmental impacts associated with wastewater treatment and potential improvement options. This unique volume will focus on the analysis of wastewater treatment plants (WWTPs), using a life cycle assessment (LCA) approach. Key Features: Focuses on the analysis of wastewater treatment plants using a life cycle assessment (LCA) approach Discusses unconventional water sources such as recycled wastewater, brackish groundwater and desalinated seawater Explains life cycle assessment in detail, which has become one of the reference methods used to assess the environmental performance of processes over their complete life cycle, from raw material extraction, infrastructure construction and operation to final dismantling Explores a technique (LCA) that is becoming increasingly popular amongst researchers in the water treatment field nowadays because of its holistic approach Based on the real life experiences, the subject of wastewater is presented in simple terms and made accessible to anyone willing to learn and experiment This book presents the socio-cultural and historical trajectories of the Deccan plateau as well as the coastal areas of the current states of Andhra Pradesh, Maharashtra, Karnataka and Goa. It studies the art of diplomacy by discussing the diplomatic relations between the Marathas and various European companies, as well as the indigenous regional states. The author also probes into the Maratha naval policy, the evolution of a composite Deccani culture and the cultural flux that was taking place within the Maratha country. Through an interdisciplinary lens, the volume examines how caste and gender relations operated, how the idea of dissent was generated as well as the socio-political impact of various linguistic, ethnic and religious groups. Through a study of monuments, sculpture and paintings prevalent in the region, the book also discusses the developments in art and architecture in the Deccan. Rich in archival sources, this book is a must read for scholars and researchers of Indian history, colonial history, South Asian history, Maratha history and history in general. This book describes in a comprehensive manner latest studies conducted by various research groups worldwide focusing on carbon and related nanomaterials. Fourteen chapters of this book deal with a number of key research topics and applications of pure and functionalized carbon nanomaterials and their hybrid nanocomposites. Specifically, the authors have presented interdisciplinary investigations including: (i) carbon nanoparticles and layers synthesis, (ii) analytical aspects of carbon nanomaterials and their characterisation under different conditions as well as (iii) various applications of carbon nanoparticles. They have reported and summarised key applications of carbon particles or nanoobjects in pharmacy, biomedicine, agriculture and food industry, water treatment, physicochemical analysis, optoelectronics, electronic and magnetic materials for supercapacitors or radar adsorbing materials, tribology, chromatography, electrophoresis, bioanalysis, nanobiocatalysis, biofuels production as well as environmental remediation. In the religious

landscape of early medieval (c. AD 600-1200) Bihar and Bengal, poly-religiosity was generally the norm than an exception, which entailed the evolution of complex patterns of inter-religious equations. Buddhism, Brahmanism and Jainism not only coexisted but also competed for social patronage, forcing them to enter into complex interactions with social institutions and processes. Through an analysis of the published archaeological data, this work explores some aspects of the social history of Buddhist, Brahmanical and Jaina temples and shrines, and Buddhist stupas and monasteries in early medieval Bihar and Bengal. This archaeological history of religions questions many 'established' textual reconstructions, and enriches our understanding of the complex issue of the decline of Buddhism in this area. Please note: Taylor & Francis does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka. Over the course of the twentieth century, Bombay's population grew twentyfold as the city became increasingly industrialized and cosmopolitan. Yet beneath a veneer of modernity, old prejudices endured, including the treatment of the Dalits. Even as Indians engaged with aspects of modern life, including the Marxist discourse of class, caste distinctions played a pivotal role in determining who was excluded from the city's economic transformations. Labor historian Juned Shaikh documents the symbiosis between industrial capitalism and the caste system, mapping the transformation of the city as urban planners marked Dalit neighborhoods as slums that needed to be demolished in order to build a modern Bombay. Drawing from rare sources written by the urban poor and Dalits in the Marathi language—including novels, poems, and manifestos—Outcaste Bombay examines how language and literature became a battleground for cultural politics. Through careful scrutiny of one city's complex social fabric, this study illuminates issues that remain vital for labor activists and urban planners around the world. Provides detailed analyses of CSR in the cement industry and in regulatory policies adopted by the central government in India. Polymer composite materials are of prime importance and play a vital role in numerous applications. 3D printed polymer composites have been adopted by the aerospace, medical, and automobile industries. However, many challenges and opportunities for the development and application of 3D printed polymer composites have yet to be covered. Development, Properties, and Industrial Applications of 3D Printed Polymer Composites concentrates on cutting-edge technologies and materials as well as processing methods and industrial applications. It further discusses case studies, process issues, challenges, and more. Covering topics such as additive manufacturing, medical engineering, and fused deposition modeling, this premier reference source is essential for manufacturers, engineers, business leaders and executives, hospital administrators, students and faculty of higher education, librarians, researchers, and academicians. Now in its 37th edition, and compiled in association with the Publishers Association, this is the most authoritative, detailed trade directory available for the United Kingdom and the Republic of Ireland, listing over 900 book publishers. Comprehensive entries include, where available: - full contact details including addresses and websites - details of distribution and sales and marketing agents - key personnel - listing of main fields of activity - information on annual turnover, numbers of new titles and numbers of employees - ISBN prefixes including those for imprints and series - details of trade association membership - information on overseas representation - details of associated and parent companies. In addition to the detailed entries on publishers, the Directory offers in-depth coverage of the wider UK book trade and lists organizations associated with the book trade: packagers, authors' agents, trade and allied associations and services. The directory is also available to purchase as an online resource, for more information and a free preview please visit www.continuumbooks.com/directoryofpublishing The book takes a close look into the definitions and categorizations of marginality, inequality, agency and location in society. It examines the systems of marginalization and othering by exploring perspectives of socially excluded people and communities in Northeast India. The context of Northeast India provides unique perspectives on the debates around marginality due to the existence of multi-ethnic cultures in the region and since its prolonged colonial historical experience alienated it from the rest of India. This volume focuses on the issues pertaining to tribe, caste, gender identity, religion, and physical disability in the region. It also looks at the roles which institutions, education and the media play in the creation and perpetuation of social exclusion and the centre—periphery binary. With essays from eminent scholars and social scientists, the book discusses themes such as citizenship and borders, national and tribal identity, the role of the law, government and policies for countering exclusion and the challenges which socially excluded groups and communities face to gain agency, autonomy and the right to equality. This book will be useful for scholars and researchers of sociology, Northeast India studies, political sociology, development studies, political science, gender studies, and social anthropology. In an interconnected world, literature moves through transnational networks, crosses borders, and bridges diverse cultures. In these ways, literature can bring people closer together. Today, as hopes for globalization wane and exclusionary nationalism is on the march, can literature still offer new ways of relating with others? Comparative literature has long been under the spell of circulation, contact, connectivity, and mobility—what if it instead sought out their antitheses? States of Disconnect examines the breakdown of transnationalism through readings of literary texts that express aversion to pairing ideas of China and India. Focusing on practices of comparison, Adhira Mangalagiri considers how these texts articulate the undesirability or impossibility of relating with national others, tracing portrayals of violence, silence, and distance. She proposes the concept of “disconnect”: a crisis of transnationalism perceptible in moments when a connection is

severed, interrupted, or disavowed. Despite their apparent insularity, texts of disconnect offer possibilities for relating ethically across national borders while resisting both narrow nationalisms and globalized habits of thought. Reading a variety of largely untranslated twentieth-century Chinese and Hindi short stories, novels, and poems, Mangalagiri develops three new strategies for comparison—friction, ellipses, and contingency—that together comprise a critical vocabulary of disconnect. Foregrounding transnationalism's discontents, *States of Disconnect* offers a different path by which literary texts can cultivate a critical sensibility for making sense of a world rife with division.

Perspectives on Knowledge Management The unprecedented developments in Information and communication technologies resulted in the speedy transition of the Industrial society into the Knowledge Society. Now the efficiency in knowledge Management determines the quality, speed and Development in all spheres of human activity. Experts from different academic disciplines have contributed to the growth of this innovative domain of knowledge as well as to the methods and techniques for managing it. Digital technologies make it possible to transfer or access knowledge transcending the limitations of space and time. Knowledge Management processes have started to get much importance along in the manufacturing processes. Knowledge is defined as 'the remembering of previously learned material. This may involve the recall of a wide range of material, from specific facts to complete theories, but all that is required is bringing to mind the appropriate information. Knowledge represents the lowest level of learning outcomes in the cognitive domain'. Knowledge Management is the broad process of locating, organizing, transferring and using the information and expertise within an organization. The overall knowledge management process is supported by four key enablers: leadership, culture, technology, and measurement. In his prophetic words, Management Guru, Peter F. Drucker, observed that "the most important, and indeed the truly unique, contribution of management in the 20th century was the fifty-fold increase in the productivity of the Manual Worker in manufacturing. The most important contribution management needs to make in the 21st century is similarly to increase the productivity of Knowledge Work and the Knowledge Worker." (Drucker, 1999. *Knowledge-Worker Productivity: The Biggest Challenge*. CMR41.(2). Considering the importance and relevance of this innovative area that has roots in different subject areas such as information science, Decision science, Social and economic activities, manufacturing, health care systems This book provides a sound theoretical base and an extensive practical expansion of smart sustainable cities and societies, while also examining case studies in the area to help readers understand IoT driven solutions in smart cities. The book covers fundamentals, applications, and challenges of IoT for sustainable smart cities and society. With a good understanding of IoT and smart cities, and the associated communication protocols, the book provides an insight into its applications in several areas of smart cities. Models, architectures, and algorithms are presented that provide additional solutions. The main challenges discussed that are associated with IoT involved include security, privacy, authenticity, etc. The book is relevant to researchers, academics, professionals, and students. Developments in South Asia in the areas of democracy, political economy and security in the last couple of years are intriguing and raise questions about whether the region is on the road to transformation. The years 2013 and 2014, particularly, have been 'years of transition' in South Asia. Almost all South Asia countries have undergone political transitions with cascading effects. These elections are significant for South Asian countries because the region has witnessed political instability for a long period of time. The elections in South Asia generated the hope that the most un-integrated region may become interdependent after coming up of new sets of political heads. These developments in the region have an influence on India's foreign policy and also mould its domestic politics; and vice-versa. India's policy towards individual countries also has a decisive impact on the pace of on-going political transitions in a number of spheres: civil-military relations, foreign policy of individual countries, socio-political and economic dynamics and nature of governance. These transitions reflect the nature, behaviour and response of the transitory states towards the others. India, as an important stakeholder in the region is keenly observing these transitions in its neighbourhood. This book titled: *Transitions and Interdependence: India and Its Neighbours* is the outcome of serious deliberations among well known scholars, diplomats and policy makers at the Fifth Asian Relations Conference organised by the Indian Council of World Affairs in collaboration with the Institute of Peace and Conflict Studies in February 2014. Papers presented in the conference have been thoroughly revised before publication and the editors acknowledge with gratitude these insightful contributions. This book synthesises the archaeology of South Asia from the Neolithic period (c.6500 BCE) to the third century BCE. This book explores the discipline of social-cultural anthropology through an extensive study of the Nicobarese people in one of the remotest human settlements of the Indian Ocean. It examines the social, cultural, economic, political and magico-religious beliefs of the Nicobarese, and traces their ritualistic upbringing from conception till after death. The book also discusses the nature-man-spirit complex observed in the life of the Nicobarese. The author further utilises this study to examine the complex role of anthropologists in maintaining objectivity and authenticity in ethnographic accounts, and discusses several critical epistemological issues concerning social-cultural anthropology as a field of study today. Based upon extensive field research by the author conducted over four decades, this volume will be of great interest to scholars and researchers of sociology and social-cultural anthropology, human geography, social sciences, minority studies, as well as South Asian studies. This book discusses new trends in nanotechnology. It covers

a wide range of topics starting from applications of nanomaterials in perovskite solar cells, pharmacy, and dentistry to self-assembled growth of GaN nanostructures on flexible metal foils by laser molecular beam epitaxy. It also includes other interesting topics such as advancement in carbon nanotubes; processing techniques, purification and industrial applications, metal di-chalcogenides for waste water treatment and recent advancement in nanostructured-based electrochemical genosensors for pathogen detection and many more. The book will be of great interest to researchers, professionals and students working in the areas of nanomaterials and nanotechnology. A Companion to South Asia in the Past provides the definitive overview of research and knowledge about South Asia's past, from the Pleistocene to the historic era in India, Pakistan, Sri Lanka, Bangladesh and Nepal, provided by a truly global team of experts. The most comprehensive and detailed scholarly treatment of South Asian archaeology and biological anthropology, providing ground-breaking new ideas and future challenges Provides an in-depth and broad view of the current state of knowledge about South Asia's past, from the Pleistocene to the historic era in India, Pakistan, Sri Lanka, Bangladesh and Nepal A comprehensive treatment of research in a crucial region for human evolution and biocultural adaptation A global team of scholars together present a varied set of perspectives on South Asian pre- and proto-history Bringing together the latest research on megalithic monuments throughout the world, 150 researchers offer 72 articles, providing a region-by region account in their specialist areas, and a summary of the current state of knowledge. Highlighting salient themes, the book is vital to anyone interested in the phenomenon of megalithic monumentality. This book comprises select proceedings of the National Conference on Recent Advances in Traffic Engineering (RATE 2018) with technical papers on the themes of traffic operation control and management, traffic safety and vulnerable road users, and sustainable transportation. It covers a wide range of topics, including advanced traffic data collection methods, big data analysis, mix-traffic characterization and modelling, travel time reliability, scenario of pedestrian and non-motorised vehicles (NMVs) traffic, regional traffic growth modelling, and applications of intelligent transportation systems (ITS) in traffic management. The contents of this book offer up-to-date and practical knowledge on different aspects of traffic engineering, which is useful for students, researchers as well as practitioners. Introduction - Conduction - Convection - Radiation - Heat Exchange Equipments - Evaporation - Diffusion - Distillation - Gas Absorption - Liquid Liquid Extraction - Crystallisation - Drying - Appendix I Try yourself - Appendix II Thermal conductivity data - Appendix III Steam tables The study of wage levels and the purchasing power of wages is often viewed as a specialized academic topic of little concern to the wider public. This is far from being the case, as this book demonstrates. The study of wages opens up vistas of the daily life of the working people, of their standards of living and, therefore, addresses questions of larger economic developments and unequal power relationships in a region. Wage Earners in India 1500–1900: Regional Approaches in an International Context brings together several scholars—young and veteran—to study new data and reinterpret older data from a fresh methodological perspective to locate India within global economic systems more effectively. This book • identifies previously unused and unpublished material for the study of wages • underlines the importance of wages as a source of income for Indians from early times • demonstrates the trends in wages over the period under review • stresses the need to take women into account for the reconstruction of household income South Asia has experienced a long period of robust economic growth. While many regulatory policies have helped usher in this prosperous growth, some markets have plateaued due to hardships such as the decline in foreign remittance and international credit lines, and a contraction of exports. To continue to grow, the nations in this region must begin to integrate into the globalized world economy. Financial Market Regulations and Legal Challenges in South Asia addresses the difficulties and challenges of the regulatory environment in South Asia. This research-based publication outlines the apparent issues and resolutions as these developing nations transition into global economic players. This book is an excellent resource for policy makers, researchers and students in the financial field, government officials, bankers, and financial market regulators. Trade, Circulation, and Flow in the Indian Ocean World is a collection which covers a long time span and diverse areas around the ocean. Many of the essays look at the Indian Ocean before Europeans arrived, reminding the reader that there was a cohesive Indian Ocean. This collection includes empirical studies and essays focused on particular area or production. The essays cover various aspects of trade and exchange, the Indian Ocean as a world-system, East African and Chinese connections with the Indian Ocean World, and the movement of people and ideas around the ocean.

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