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Learning Country in Landscape Architecture **How to Customize Higher Education at UG & PG Levels Using Patent Analysis & Company Analysis As New Research Methods in Technology, Health Sciences & Management Education Ride Technology Wave for Career Success** *Literary Market Place* **OPTOELECTRONICS AND OPTICAL FIBER SENSORS Handbook of Universities CAREER GUIDANCE** *Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management* Globalisation And Manpower Planning **Additive Manufacturing and 3D Printing Technology Evaluating the Impact of Technology on Learning, Teaching, and Designing Curriculum: Emerging Trends** **Indian Computer Science (CS) & Information Technology (IT) Academic Reform (Past) Activism Blog Book** *Microbial Cultures and Enzymes in Dairy Technology* **Proceedings of the International Conference on Transformations in Engineering Education Engineering and Technology Talent for Innovation and Knowledge-Based Economies** **The Covid Agricultural Informatics** *Design and Implementation of Healthcare Biometric Systems* *Digital Education for the 21st Century* *Cutting-Edge Evolutions of Information Technology* **IMPLEMENTATION OF ICT SKILLS FOR THE STUDENTS FOR THEIR EMPLOYMENT IN SKILL BASED JOBS** *Impact and Challenges of COVID -19 on Health, Livelihoods, Environment and Education* **Smart Healthcare for Sustainable Urban Development** *Innovations in Computer Science and Engineering* *Handbook of Research on Administration, Policy, and Leadership in Higher Education* *Technology Cyberpsychology in the Tech-Fed Virtual World* **Higher Education Reform in India** *Advanced Design and Manufacturing Technology II* *Rice Science: Biotechnological and Molecular Advancements* *Soft Computing Applications for Database Technologies* *Recent Trends in Electrochemical Science and Technology* **Emerging Trends in Digital Era Through Educational Technology Pedagogical Applications and Social Effects of Mobile Technology Integration** **A Handbook of Jobs and Careers** **Proceedings of Second International Conference on Advances in Computer Engineering and Communication Systems** Marginality in India **Computer Applications in Engineering and Management** Energy Technology **Network Design & Device Configuration**

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Optoelectronics and Optical Fiber Sensors is a comprehensive and well-organised book that covers wide aspects of optoelectronic processes, optoelectronic devices, mostly used optical fibers and optical fiber sensor systems including maximum technical discussions. The text highlights the details of design, material selection and working processes as well as the limitations of various optoelectronic devices and fiber-optic sensor systems. Throughout the book, an attempt has been made to cover every important point related to this field from the fundamental concepts to the recent advancements as well as the future scope of the technical development in this exciting field. Primarily designed for a course of optoelectronics/optoelectronics and fiber optics/optical fiber sensor at both undergraduate and postgraduate levels in electrical and electronics engineering, electronics and communication engineering, electronics and instrumentation engineering and applied physics, it would also be appreciated by practising engineers and scientists who want to update the information related to the latest developments in this field. Key Features • Provides an enormous information regarding the optical interactions, processes, devices and various other related topics to enlarge the scope of the book. • Includes an in-depth presentation of important derivations to enhance the level of understanding. • Incorporates a considerable number of worked-out numericals to reinforce the understanding of the

concepts. • Includes many pedagogical features such as chapterwise summary, exercises including probable problems and question bank and relevant references to provide a sound knowledge of various processes and systems. The purpose of this book is to introduce you to the wide open world of opportunities after for students who are still at school and for young adults who are in colleges or in training for further education and professional skills. This book introduces and analyzes the models for engineering leadership and competency skills, as well as frameworks for industry-academia collaboration and is appropriate for students, researchers, and professionals interested in continuous professional development. The authors look at the organizational structures of engineering education in knowledge-based economies and examine the role of innovation and how it is encouraged in schools. It also provides a methodological framework and toolkit for investigating the needs of engineering and technology skills in national contexts. A detailed empirical case study is included that examines the leadership competencies that are needed in knowledge-based economies and how one university encourages these in their program. The book concludes with conceptual modeling and proposals of specific organizational structures for implementation in engineering schools, in order to enable the development of necessary skills for future engineering graduates. Change with time is essential and inevitable in all systems except climate change which is not acceptable for environmental sustainability. Similarly, change is essential in the field of scholarly research. The research methods invented before 21st century are not only sufficient for prospective researchers in 21st century due to the fact that both systems and environments are changing. As a result, and to provide an opportunity to young budding researchers in UG and PG courses, new and easy research problems were enough online data available would be attractive. As the internet and data communication technology is progressing, student researchers have access to new data from various sources in a given area. Such data can be used to a new interpretation of existing knowledge by means of systematic analysis. In this paper, we have discussed some of the newly identified/modified learning/research methods to help students to involve in research during their UG or PG courses. These methods allow higher education institutions to customize their pedagogy while competing with the MOOC model. Patent analysis is one of such methods of learning/research for Engineering and health science students where a student/researcher can choose an already filed Patent in his/her chosen field and analyse it systematically to study its technology, idea, and future value in solving practical problems. Similarly, company/organizational analysis is another new tool for Social science and management students to study and analyse various companies/organizations of different industry/sector, including their strategies and efforts for sustainability. The possibility of incorporating these new affordable learning/research methods as a part of the innovative curriculum of higher education system are proposed and discussed. The book is a collection of high-quality peer-reviewed research papers presented at the Fourth International Conference on Innovations in Computer Science and Engineering (ICICSE 2016) held at Guru Nanak Institutions, Hyderabad, India during 22 - 23 July 2016. The book discusses a wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academic and industry present their original work and exchange ideas, information, techniques and applications in the field of data science and analytics, artificial intelligence and expert systems, mobility, cloud computing, network security, and emerging technologies. Contents: Training Programme for Apprentice Graduate Engineers and Diploma Holders in the Present Era, Technical Human Resource Planning for 21st Century, NERIST, Outsourcing of HR, Manpower Planning in 21st Century, Manpower Planning in 21st Century, Impact of Globalization on Contemporary Manpower Planning in India, Impact of Globalization on Manpower Planning Environment in India, Revisiting Manpower Planning in the Wake of Globalization, Manpower Planning for Global Success, Perspective Technical Education in NCT of Delhi in the Context of a Dynamic Globalised Environment, Technical Manpower Planning and Employment Scenario of Women Engineers in India, Need Base Tie-Up with Foreign Education Institute, Globalization and Technical Education, Impact of Globalization on Manpower Planning, Impact of Globalization on Manpower Planning in Technical Education, Impact of Globalization on Manpower Planning, Impact of Globalization on Technical Manpower Planning in India, Impact of Globalization on Manpower Planning, Impact of Globalization on Manpower Planning, Business Process Outsourcing, Impact of Globalization on Technical Education and Manpower Planning, Technical Manpower Planning in the WTO Regime, Impact on Globalization on Manpower Planning, Manpower Planning in the 21st Century, To Make India A Global Back Office, Impact of Globalization on Engineering Manpower Planning, Manpower Planning in Twenty First Century, Manpower Planning At International Level of Development Countries, HR Challenges and Internationalisation of Business, Manpower Planning At International Level for Developing and Developed Countries, Human Resource Development in Asia and The Pacific in the 21st Century. This new volume highlights the evolution of digital education related issues by reporting on effective IoT-based technologies for the teaching-learning process. It brings together a selection of leading academic policymakers, researchers, educationalists, and education scholars to share their experiences and research on many aspects of digital pedagogy in the Education of Things. The volume discusses recent innovations, trends, and concerns as well as the practical challenges encountered and solutions adopted in the fields of digital pedagogies and educational design. The chapters cover the concepts of IoT-based digital technologies regarding teacher and teaching education, IoT-based education, flipped learning, assessment process, and more. Key features: Introduces the integration of technology with digital education Explains the functional framework workflow in the Education of Things and networked learning Explores basic and high-level concepts of teaching-learning pedagogy in IoT-based education Covers the major challenges, issues, and advances in flipped and blended learning based on IoT technologies Looks at digital education pedagogy collaborations with organizations outside academia Explores teaching education and the process of assessment, testing, and evaluation Digital Education for the 21st Century: Technologies and Protocols provides a rich resource for academic and administrative policymakers, academicians, researchers, educationalists and experts who are concerned with educational research. Despite the increasing population (the Food and Agriculture Organization of the United Nations estimates 70% more food will be needed in 2050 than was produced in 2006), issues related to food production have yet to be completely addressed. In recent years, Internet of Things technology has begun to be used to address different industrial and technical challenges to meet this growing need. These Agro-IoT tools boost productivity and minimize the pitfalls of traditional farming, which is the backbone of the world's economy. Aided by the IoT, continuous monitoring of fields provides useful and critical information to farmers, ushering in a new era in farming. The IoT can be used as a tool to combat climate change through greenhouse automation; monitor and manage water, soil and crops; increase productivity; control insecticides/pesticides; detect plant diseases; increase the rate of crop sales; cattle monitoring etc. Agricultural Informatics: Automation Using the IoT and Machine Learning focuses on all these topics, including a few case studies, and they give a clear indication as to why these techniques should now be widely adopted by the agriculture and farming industries. "Just some years before, there have been no throngs of Machine Learning, scientists developing intelligent merchandise and services at major corporations and startups. Once the youngest folks (the authors) entered the sector, machine learning didn't command headlines in daily newspapers. Our oldsters had no plan what machine learning was, including why we would like it to a career in medication or law. Machine learning was an advanced tutorial discipline with a slender set of real-world applications. And people applications, e.g. speech recognition and pc vision, needed most domain data that they were usually thought to be separate areas entirely that machine learning was one tiny part. Neural networks, the antecedents of the deep learning models that we tend to specialize in during this book, were thought to be out-of-date tools. In simply the previous five years, deep learning has taken the world by surprise, using fast progress in fields as diverse as laptop vision, herbal language processing, computerized speech recognition, reinforcement learning, and statistical modelling. With these advances in hand, we can now construct cars that power themselves (with increasing autonomy), clever reply structures that anticipate mundane replies, assisting humans to dig out from mountains of email, and software program retailers that dominate the world's first-class people at board video games like Go, a feat once deemed to be a long time away. Already, these equipment are exerting a widening impact, changing the way films are made, diseases are...diagnosed, and enjoying a developing role in simple sciences - from astrophysics to biology. This e-book represents our attempt to make deep learning approachable, instructing you each the concepts, the context, and the code." "This book investigates the advent of soft computing and its applications in database technologies"--Provided by publisher. The creation of a sustainable and accessible higher education systems is a pivotal goal in modern society. Adopting strategic frameworks and innovative techniques allows institutions to achieve this objective. The Handbook of Research on Administration, Policy, and Leadership in Higher Education is an authoritative reference source for the latest scholarly research on contemporary management issues in educational institutions and presents best practices to improve policies and retain effective

governance. Addressing the current state of higher education at an international level, this book is ideally designed for academicians, educational administrators, researchers, and professionals. Healthcare sectors often deal with a large amount of data related to patients' care and hospital workforce management. Mistakes occur, and the impending results are disastrous for individuals' personal identity information. However, an innovative and reliable way to safeguard the identity of individuals and provide protection of medical records from criminals is already in effect. Design and Implementation of Healthcare Biometric Systems provides innovative insights into medical identity theft and the benefits behind biometrics technologies that could be offered to protect medical records from hackers and malicious users. The content within this publication represents the work of ASD screening systems, healthcare management, and patient rehabilitation. It is designed for educators, researchers, faculty members, industry practitioners, graduate students, and professionals working with healthcare services and covers topics centered on understanding the practical essence of next-generation healthcare biometrics systems and future research directions. This volume deals with the role and impact of technology on the economy and society. The papers on corporate dimensions address the impact of patents, determinants of innovative activities, differential behaviour of multinationals, industrial groups and other firms with regard to innovations and technology. In contrast, the papers on social dimensions chiefly deal with the role of technology in reducing inequality. The majority of the papers employ econometric techniques and other statistical methods, and many are based on primary data. The studies emphasise the importance of innovations (especially patents) and human capital in influencing productivity across Indian states, the significance of patenting in determining the efficiency of firms, the role of business groups in promoting innovations, differences in the technological characteristics of multinational and domestic firms, and how mergers and acquisitions can promote R&D. The papers on social dimensions analyse how innovative activities can shape employment, the impact of technology on poverty, the socioeconomic characteristics of mobile phone ownerships, use of information and communications technologies at educational institutions, and the influence of Synchronous Technologies in reducing access to teaching programmes. The studies show that those Indian states that have invested in human capital and technology experienced higher labour productivity. Further, the studies establish a positive correlation between R&D spending and employment. Lastly, they demonstrate that the adoption of agriculture-related technologies can have a significant impact on rural poverty and consumption expenditures. With the development of information technology, the concept of smart healthcare has been evolving gradually. A new generation of information technologies, such as the internet of things, cloud computing, big data, and artificial intelligence, have transformed the old medical system and improved the efficiency, convenience, and personalization of healthcare. These changes are necessary to keep up with the requirements of individual people and the improvements in the efficiency of medical care, which largely enhances the experience of medical and health services. Smart Healthcare for Sustainable Urban Development discusses current challenges of digital healthcare adoption as well as how the internet of things and big data technologies can help promote digital healthcare adoption and improve healthcare efficiency. The book also considers how information technologies can support the adoption of smart health for overall improved healthcare delivery and access. Covering topics such as artificial intelligence and smart hospitals, this reference work is ideal for researchers, scholars, practitioners, academicians, industry professionals, instructors, and students. Where the tiny invisible virus brought the world to a standstill, what kept us going is the desire to overcome this pandemic. Emerging as one of the most widespread epidemics in the history of mankind, it has created a situation of health and economic emergency. The world which celebrated globalisation for years now looks down at it as the reason for widespread virus. Being highly disruptive in nature, affecting the lives of millions, the pandemic will leave its dark patches in the columns of history. From compelling to change the way humans used to live in COVID-19 times to requiring a rapid enhancement in the health care facilities, the virus has significantly affected all the spheres of human life, be it social, economic, financial or political. The virus has brought tough challenges to individuals and governments around the world to sustain lives and livelihood. Undoubtedly, the world is in the middle of a crisis but education knows no leaps and bounds. Through this compilation of scholarly articles, we aim to bring in focus the impact of the COVID-19 on the lives and livelihood of people, and on the various sectors of the economy. Further the aim is to highlight the innovative ideas to overcome this pandemic and minimize its ill impacts. Special topic volume with invited peer reviewed papers only This first full-scale analysis of the recent reforms in Indian higher education explores key policy areas and describes how some of the most interesting programmes have come into fruition. Contributors present case studies of innovative developments such as the Institutes of Technology and the Open University, as well as examining the broader elements which shape the reality of higher education in India. "This book provides a forum for researchers and practitioners to discuss the current and potential impact of online learning and training and to formulate methodologies for the creation of effective learning systems"--Provided by publisher. Network Design & Device Configuration written by Dr. Syed Umar, Dr. N Lingareddy, Mr. Tariku Birhanu Yadesa, Mr. Gamechu Boche Beshan, Mr. Mohammed Kamal, Mr. Tesfaye Gadisa This book includes original, peer-reviewed research articles from International Conference on Advances in Computer Engineering and Communication Systems (ICACECS 2021), held in VNR Vignana Jyothy Institute of Engineering and Technology (VNR VJIET), Hyderabad, Telangana, India, during 13-14 August 2021. The book focuses on "Smart Innovations in Mezzanine Technologies, Data Analytics, Networks and Communication Systems" enlargements and reviews on the advanced topics in artificial intelligence, machine learning, data mining and big data computing, knowledge engineering, semantic Web, cloud computing, Internet of Things, cybersecurity, communication systems, and distributed computing and smart systems. For a wide variety of reasons, colleges and universities have increased their online course offerings. These programs, including both formal degree programs as well as non-credit and leisure learning options, rely on students to engage with their faculty members as well as other learners to maximize their class experiences. Virtual learning, however, can be a difficult space to create community and resulted in the need to explore how community and culture can be constructed in the virtual, tech-fed world. The model presented here consists of five key elements that program administrators, instructional designers, and teaching faculty must all take into consideration as they develop their courses. With the rapid development of emerging technology tools, the digital nature of learning environments continues to change traditional forms of education. Therefore, knowledge of these changes for incorporation into classroom instruction is necessary. Pedagogical Applications and Social Effects of Mobile Technology Integration analyzes possible solutions over the concerns and issues surrounding mobile technology integration into the classroom. This book is an essential resource for professionals, researchers, and technology leaders interested in providing a direction for the future of classroom technology. A significant crop in our global society, rice is a staple food product for over half of the world's population. New technologies are being researched and utilized for increasing the overall production of strong rice crops throughout the world. This book focuses on the new areas of research on the most recent biotechnological and molecular techniques to aid in this endeavor. The researchers who have contributed to this compendium are international leaders in their respective fields. The original research included in the volume is strengthened through the addition of surveys, reviews, success stories, and other aspects that impact the global agricultural industry. The Covid 19 Pandemic: A Review of the Social, Economic and Environmental Issues/Challenges' presents the COVID-19 pandemic as the most crucial global health calamity of the century and the greatest challenge that the humankind faced since the 2nd World War. The book embraces five sections. It emphasizes a systematic analysis of the impact of Covid 19 on economic aspect. The book also explores an account of the influence of Covid 19 pandemic on education and society. It also highlights the effects of Covid19 pandemic on environment. Some sustainability issues of Covid 19 pandemic have also been discussed in the book. The book is an essential core reference book for the students, academics, planners and administrators. This book encompasses select proceedings of NSEST-2020 and ECSIRM-2020. The volume covers advances in major areas of electrochemical science and technology and surface engineering. It covers all aspects of electrochemistry with more emphasis on corrosion. The corrosion topics include self-healing sol-gel based corrosion resistant coatings, nitric acid corrosion of stainless steel, stress corrosion cracking, etc. Few chapters are focused on electrodeposition and new materials for oxygen evolution catalysts, fuel cells and batteries. The chapters on molecularly imprinted polymer sensor for dual analytes, electrochemical sensors for lead ions and dopamine, etc., are of interest. Some papers are related to the green synthesis of nanosized oxides and superhydrophobic coatings. This book will be handy and beneficial to researchers, students, and professionals working in areas related to electrochemistry and surface engineering. 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. This book strategically focuses upon the feasibility of positioning Indigenous Knowledge Systems into tertiary built environment education and research in Australia. Australian tertiary education has little engaged with Indigenous peoples and their Indigenous Knowledge Systems, and the respectful translation of their Indigenous Knowledge Systems into tertiary education learning. In contrast, while there has been a dearth of discussion and research on this topic pertaining to the tertiary sector, the secondary school sector has passionately pursued this topic. There is an uneasiness by the tertiary sector to engage in this realm, overwhelmed already by the imperatives of the Commonwealth's 'Closing the Gap' initiative to advance Aboriginal and Torres Strait Islander tertiary education successes and appointments of Indigenous academics. As a consequence, the teaching of Indigenous Knowledge Systems relevant to professional disciplines, particularly landscape architecture where it is most apt, is overlooked and similarly little addressed in the relevant professional institute education accreditation standards. Main author Ravi S. Iyer created the eklavyasai.blogspot.com blog and used it from September 2011 to play a part-time, peaceful and amicable, Indian Computer Science (CS) and Information Technology (IT) academic reform, Internet-based activist role. His focus was on improving the practice of software development in Indian CS & IT academia. But he thought that it is such a vital part of the CS & IT field and that it is so poor in many parts of Indian CS & IT academia, that he referred to his efforts as Indian CS & IT academic reform activism. Other contributors to the blog have given their views on certain topics. Main work period has been from 2011 to 2014 with a little work later, off & on. The main author is no longer active in this area. This book is aimed at helping other activists involved in improving the practice of software development in Indian CS and IT academia to get the views of the blog in a convenient form. The book may also be of interest to similar activists in other countries. About the author: Main author Ravi S. Iyer is a Physics graduate from Ruia college, University of Bombay (Mumbai) who was industry trained and later self-taught in software development. He worked in the international software industry (US, Europe, Japan, South Korea, India etc.) developing systems as well as applications software (CS & IT) for over 18 years after which he retired from commercial work. Later, mainly as a "visiting faculty", he offered free service of teaching programming courses (lab. courses) and being a "technical consultant" for student projects in a Maths & Computer Science department of a deemed university in India for 9 years. The book is a jargon-free, compact, easy-to-grasp and handy guide for graduating students, young technology professionals, business process analysts, infrastructure engineers, designers and software programmers. It will propel you to equip yourself with newer skills and stay in demand during the fast-moving industrial revolution (IR 4.0). The impact of growing technologies, job losses due to automation and global uncertainty have been highlighted in the book. A pathway has been shown for riding the technology wave to succeed and contribute to the growth of your organisation. New jobs require working smartly using new technical skills, multi-tasking and out-of-the-box thinking. Sustenance of a job in such a scenario needs fast learning and adoption of newer skills, innovation, integration, networking and enduring alliances. The book adequately covers new technology areas related to IT trends, AI, ML Internet of Things (IoT), robotics, drones, 3-D printing, VR-AR, 5G, big data, cloud computing, cyber security and blockchain. The book recommends the readers quickly acquire new skills and adopt emerging technologies to reap early benefits. From cloud computing to big data to mobile technologies, there is a vast supply of information being mined and collected. With an abundant amount of information being accessed, stored, and saved, basic controls are needed to protect and prevent security incidents as well as ensure business continuity. Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management is a vital resource that discusses various research findings and innovations in the areas of big data analytics, mobile communication and mobile applications, distributed systems, and information security. With a focus on big data, the internet of things (IoT), mobile technologies, cloud computing, and information security, this book proves a vital resource for computer engineers, IT specialists, software developers, researchers, and graduate-level students seeking current research on SMAC technologies and information security management systems. 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. This book comprises the proceedings of the International Conference on Transformations in Engineering Education conducted jointly by BVB College of Engineering & Technology, Hubli, India and Indo US Collaboration for Engineering Education (IUCEE). This event is done in collaboration with International Federation of Engineering Education Societies (IFEES), American Society for Engineering Education (ASEE) and Global Engineering Deans' Council (GEDC). The conference is about showcasing the transformational practices in Engineering Education space. Microorganisms are an integral part of the fermentation process in food products and help to improve sensory and textural properties of the products. As such, it is vital to explore the current uses of microorganisms in the dairy industry. Microbial Cultures and Enzymes in Dairy Technology is a critical scholarly resource that explores multidisciplinary uses of cultures and enzymes in the production of dairy products. Featuring coverage on a wide range of topics such as dairy probiotics, biopreservatives, and fermentation, this book is geared toward academicians, researchers, and professionals in the dairy industry seeking current research on the major role of microorganisms in the production of many dairy products. The book Computer Applications in Engineering and Management is about computer applications in management, electrical engineering, electronics engineering, and civil engineering. It covers the software tools for office automation, introduces the basic concepts of database management, and provides an overview about the concepts of data communication, internet, and e-commerce. Additionally, the book explains the principles of computing management used in construction of buildings in civil engineering and the role of computers in power grid automation in electronics engineering. Features Provides an insight to prospective research and application areas related to industry and technology Includes industry-based inputs Provides a hands-on approach for readers of the book to practice and assimilate learning This book is primarily aimed at undergraduates and graduates in computer science, information technology, civil engineering, electronics and electrical engineering, management, academicians, and research scholars. Additive Manufacturing and 3D Printing Technology: Principles and Applications consists of the construction and working details of all modern additive manufacturing and 3D-printing technology processes and machines, while also including the fundamentals, for a well-rounded educational experience. The book is written to help the reader understand the fundamentals of the systems. This book provides a selection of additive manufacturing techniques suitable for near-term application with enough technical background to understand the domain, its applicability, and to consider variations to suit technical and organizational constraints. It highlights new innovative 3D-printing systems, presents a view of 4D printing, and promotes a vision of additive manufacturing and applications toward modern manufacturing engineering practices. With the block diagrams, self-explanatory figures, chapter exercises, and photographs of lab-developed prototypes, along with case studies, this new textbook will be useful to students studying courses in Mechanical, Production, Design, Mechatronics, and Electrical Engineering. This book is the most well-organised, useful and up to date about career guidance for all

students. Covering more than 100 topics in fields that range from school to college. Students can check at a glance summary for chosen careers to learn about career paths, examinations and more. Today, We live and breathe in the information age where all knowledge is at our fingertips, but students get confused choosing career from the wide array of career fields available after 10th & 12th standard. All the career options have been given in this book. I have included here-

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