

Mastering Pte Education

English as a Language of Teaching and Learning for Community Secondary Schools in Tanzania Mastering Simulink Mastering Network+ Certification Contextual Learning Smart Education and e-Learning—Smart University Mastering Self-leadership The Routledge Handbook of Second Language Acquisition and Language Testing Essential Learning Skills for Health Professions Students Teaching Chinese Language in Singapore Proceedings of the 5th International Conference on Data Science, Machine Learning and Applications; Volume 2 Robotics in Education Commercialising Public Schooling Data Analytics and Machine Learning A First Course in Engineering Drawing International Handbook on Education in Southeast Asia Binary Representation Learning on Visual Images Primary Science Learning for Children, Teachers, and Communities Cybersecurity Education and Training Virtual and Augmented Reality Technology-Enhanced Learning The Study of the Meaning of Life Elia Shabani Mligo James Dabney James L. Antonakos Vladimir L. Uskov Charles C. Manz Paula Winke Khalid A. Bin Abdulrahman Kaycheng Soh Amit Kumar Norashikin M. Thamrin Anna Hogan Pushpa Singh K. Rathnam Lorraine Pe Symaco Zheng Zhang Sarah Earle Razvan Beuran Yiyu Cai Zhengyu Sun

English as a Language of Teaching and Learning for Community Secondary Schools in Tanzania Mastering Simulink Mastering Network+ Certification Contextual Learning Smart Education and e-Learning—Smart University Mastering Self-leadership The Routledge Handbook of Second Language Acquisition and Language Testing Essential Learning Skills for Health Professions Students Teaching Chinese Language in Singapore Proceedings of the 5th International Conference on Data Science, Machine Learning and Applications; Volume 2 Robotics in Education Commercialising Public Schooling Data Analytics and Machine Learning A First Course in Engineering Drawing International Handbook on Education in Southeast Asia Binary Representation Learning on Visual Images Primary Science Learning for Children, Teachers, and Communities Cybersecurity Education and Training Virtual and Augmented Reality Technology-Enhanced Learning The Study of the Meaning of Life *Elia Shabani Mligo James Dabney James L.*

Antonakos Vladimir L. Uskov Charles C. Manz Paula Winke Khalid A. Bin Abdulrahman Kaycheng Soh Amit Kumar Norashikin M. Thamrin Anna Hogan Pushpa Singh K. Rathnam Lorraine Pe Symaco Zheng Zhang Sarah Earle Razvan Beuran Yiyu Cai Zhengyu Sun

this book examines the challenges posed by english a foreign language as a language of teaching and learning for community secondary schools in tanzania in terms of academic performance the book probes the necessity for having two languages of instruction in the tanzanian educational system while kiswahili the native language is predominantly understood by the majority of people the discussion in this book indicates that most students in community secondary schools in tanzania are incompetent in understanding writing listening reading and speaking english a language they use in learning and doing their examinations especially in the early stages of their secondary studies the incompetence in the above mentioned skills is mostly caused by their inability to cope with the abrupt transition in the languages of instruction from their pre primary and primary school study kiswahili to secondary school study english moreover most teachers are unable to use the english language as a means to impart knowledge or facilitate learning to their students leading them to code switching and code mixing this book poses a challenge to countries whose students pass through a transition from one language of instruction to another in their educational systems helping them to make appropriate decisions in regard to the appropriate language of teaching and learning

the book is meant tp be used with simulink 5 and subsequent revisions p xvii

this book contains the contributions presented at the 10th international kes conference on smart education and e learning seel 2023 with the smart university as the main conference theme the conference is being held on june 14 16 2023 in rome italy in both in person and online modes the book contains high quality peer reviewed papers that are grouped into several interconnected parts part 1 smart education part 2 smart e learning part 3 smart university part 4 smart education case studies and research and part 5 smart company case studies and research smart education smart e learning smart universities and smart companies are emerging and rapidly growing areas with the potential to transform the existing teaching strategies learning environments and educational training activities and

technology in academic institutions and training centers smart education training and smart e learning are focused on enabling instructors trainers to develop innovative ways of achieving excellence in teaching in highly technological smart classrooms labs and providing students learners with new opportunities to maximize their success and select the best options for their education training location and learning style as well as the mode of content delivery this book serves as a useful source of research data and valuable information on current research projects best practices and case studies for faculty scholars ph d students administrators and practitioners all those who are interested in smart education smart e learning smart university and smart business company paradigms concepts systems and technology

this handbook with 45 chapters written by the world s leading scholars in second language acquisition sla and language testing dives into the important interface between sla and language testing shared ground where researchers seek to measure second language performance to better understand how people learn their second languages the handbook also reviews how to best measure and evaluate the second language l2 learners personal characteristics backgrounds and learning contexts to better understand their l2 learning trajectories taking a transdisciplinary approach to research the book builds upon recent theorizing and measurement principles from the fields of applied linguistics cognitive science psychology psycholinguistics psychometrics educational measurement and social psychology the handbook is divided into six key sections 1 assessment concepts for sla researchers 2 building instruments for sla research 3 measuring individual differences 4 measuring language development 5 testing specific populations and 6 measurement principles for sla researchers

this book covers the learning and teaching objectives for the teachers and students of the health profession it covers not only the conceptual framework of learning teaching and studying but also addresses students needs including effective communication study habits and stress management the chapters integrate the basics of a course with its clinical science from active learning strategies to problem based learning techniques the book covers effective methods for engagement and self directed learning additionally it addresses essential skills such as time management critical thinking and information retrieval supplemented with easy to read text illustrations and summary boxes explaining educational messages the book aims to ease learning the book is relevant for both

students and professionals in medicine and health sciences helping them understand the basics of teaching and learning for health professions students

this book addresses the problems and issues surrounding teaching chinese as a second language in the singapore context it identifies four main areas of concern 1 neglect of culture in the teaching of chinese 2 difficulty of learning hanzi chinese characters 3 cognitive and affective aspects of chinese language learning and 4 authenticity of the chinese language in a global and singapore context the book includes lesson design and instructional practices for re prioritizing chinese as a set of trainable skills as well as teaching culture in the context of teaching the language it also introduces the chinese as a second language readability formula to help learners overcome their difficulties with learning hanzi chinese characters and the attitude toward chinese language scale to help understand the various factors that can influence chinese language learning it also proposes a student oriented model for conducting problem based research tapping into the disciplines of psycholinguistics and sociolinguistics resolving or minimizing the issues identified here requires action at the macro level by chinese language researchers on a national scale and at the micro level by classroom teachers through action research

this book includes peer reviewed articles from the 5th international conference on data science machine learning and applications 2023 held at the g narayanamma institute of technology and sciences hyderabad on 15 16th december india icdsmla is one of the most prestigious conferences conceptualized in the field of data science machine learning offering in depth information on the latest developments in artificial intelligence machine learning soft computing human computer interaction and various data science machine learning applications it provides a platform for academicians scientists researchers and professionals around the world to showcase broad range of perspectives practices and technical expertise in these fields it offers participants the opportunity to stay informed about the latest developments in data science and machine learning

this book investigates robotics role in transforming stem education through critical thinking and interdisciplinary skill development spanning six chapters it examines robotics ability to enhance technical and collaborative skills while addressing challenges such as resource accessibility and curriculum integration core programming concepts

including control systems algorithm design and debugging are elaborated upon using tools like python and ros practical guidance encompasses the design of mechanical and electrical systems the integration of sensors e g ultrasonic imus and their application in real world scenarios projects advance from basic movement programming to sophisticated ai driven tasks such as autonomous navigation and object recognition the ai section discusses machine learning path planning algorithms e g a search slam and classroom case studies subsequent chapters examine new trends such as vr iot and data driven assessment alongside robotics s global influence in education and career readiness strategies aimed at educators and students this book combines theoretical frameworks with practical insights to prepare learners for technological progress

this book delves into the pervasive commercialisation of public schooling tracing its roots and examining its current manifestations from the evolution of textbook publishing to the digital transformation led by global edu businesses it sheds light on how commercial interests have reshaped education policy curriculum design and teaching practices worldwide through a series of in depth case studies this book explores the intensification of commercial influences in schools it examines the historical rise of education corporatisation the integration of commercial curriculum resources in classrooms and the ethical dilemmas posed by public school sponsorship the work also analyses teachers agency in navigating prescriptive curriculum materials the impacts of edtech during the pandemic and addresses how public schools themselves have become market players branding and monetising their operations drawing on australian and international contexts this book highlights the complex interplay between commercialisation teacher professionalism and equitable education access a must read for educators policymakers and researchers this book provides insights into the implications of school commercialisation it offers practical strategies to navigate this landscape while advocating for reforms that prioritise educational integrity over profit ensuring that public schools remain spaces of equitable and holistic learning

this book presents an in depth analysis of successful data driven initiatives highlighting how organizations have leveraged data to drive decision making processes optimize operations and achieve remarkable outcomes through case studies readers gain valuable insights and learn practical strategies for implementing data analytics big data and machine learning solutions in their own organizations the book discusses the transformative power of data

analytics and big data in various industries and sectors and how machine learning applications have revolutionized exploration by enabling advanced data analysis techniques for mapping geospatial analysis and environmental monitoring enhancing our understanding of the world and its dynamic processes this book explores how big data explosion the power of analytics and machine learning revolution can bring new prospects and opportunities in the dynamic and data rich landscape it highlights the future research directions in data analytics big data and machine learning that explores the emerging trends challenges and opportunities in these fields by covering interdisciplinary approaches such as handling and analyzing real time and streaming data

the primary objective of this book is to provide an easy approach to the basic principles of engineering drawing which is one of the core subjects for undergraduate students in all branches of engineering further it offers comprehensive coverage of topics required for a first course in this subject based on the author s years of experience in teaching this subject emphasis is placed on the precise and logical presentation of the concepts and principles that are essential to understanding the subject the methods presented help students to grasp the fundamentals more easily in addition the book highlights essential problem solving strategies and features both solved examples and multiple choice questions to test their comprehension

this international handbook provides a detailed account of the education systems of 11 southeast asian nations including brunei darussalam cambodia indonesia lao people s democratic republic malaysia myanmar the philippines singapore thailand timor leste and vietnam it presents a systematic sector by sector explanation of how these national education systems deliver educational services and respond to national and international issues and challenges with 56 chapters the international handbook is the region s most comprehensive educational reference source in the first of its chapters the editors introduce the regional context and draw attention to the distinctive characteristics of each of the 11 systems southeast asia representing 8 5 of the world s population is as dynamic as it is diverse the international handbook charts progress and establishes a benchmark for documenting future developments it also provides a stepping off point for more detailed investigations of decision making processes and outcomes across the 11 national education systems

this book introduces pioneering developments in binary representation learning on visual images a state of the art data transformation methodology within the fields of machine learning and multimedia binary representation learning often known as learning to hash or hashing excels in converting high dimensional data into compact binary codes meanwhile preserving the semantic attributes and maintaining the similarity measurements the book provides a comprehensive introduction to the latest research in hashing based visual image retrieval with a focus on binary representations these representations are crucial in enabling fast and reliable feature extraction and similarity assessments on large scale data this book offers an insightful analysis of various research methodologies in binary representation learning for visual images ranging from basis shallow hashing advanced high order similarity preserving hashing deep hashing as well as adversarial and robust deep hashing techniques these approaches can empower readers to proficiently grasp the fundamental principles of the traditional and state of the art methods in binary representations modeling and learning the theories and methodologies of binary representation learning expounded in this book will be beneficial to readers from diverse domains such as machine learning multimedia social network analysis web search information retrieval data mining and others

this book provides a comprehensive overview on cybersecurity education and training methodologies the book uses a combination of theoretical and practical elements to address both the abstract and concrete aspects of the discussed concepts the book is structured into two parts the first part focuses mainly on technical cybersecurity training approaches following a general outline of cybersecurity education and training technical cybersecurity training and the three types of training activities attack training forensics training and defense training are discussed in detail the second part of the book describes the main characteristics of cybersecurity training platforms which are the systems used to conduct the technical cybersecurity training activities this part includes a wide ranging analysis of actual cybersecurity training platforms namely capture the flag ctf systems and cyber ranges that are currently being used worldwide and a detailed study of an open source cybersecurity training platform cytrone a cybersecurity training platform capability assessment methodology that makes it possible for organizations that want to deploy or develop training platforms to objectively evaluate them is also introduced this book is addressed first to cybersecurity education and training practitioners and professionals both in the academia and industry who will gain knowledge about how to organize and conduct meaningful and effective cybersecurity training activities in addition

researchers and postgraduate students will gain insights into the state of the art research in the field of cybersecurity training so that they can broaden their research area and find new research topics

this book consists of chapters that present the state of the art research and applications of virtual augmented reality technology enhanced learning vartel the chapters of the book present a multi facet view on different approaches to deal with challenges that surround the uptake of educational applications of mixed reality simulations and serious games in various practices the different approaches highlight challenges and potential solutions and provide future directions for mixed reality simulation and serious games research for the design of learning material and for implementation by doing so the book is a useful resource for both students and scholars interested in research in this field for designers of learning material and for practitioners that want to embrace mixed reality simulation and or serious games in their education

based on the revelation and analysis of the social self consciousness contained in the individual self consciousness of the meaning of life the book discusses the human life world spiritual world cultural world and meaning world then it states the life world modes of thought values ideas aesthetic consciousness and ultimate concerns of modern humans it also systematically expounds on the cultivation the truth the nurture the sublimation the support the tension and the source of the spiritual home in perspectives of education science art philosophy theory mentality and ideals constructing a fulfilling spiritual home for man is the realistic meaning of this book

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