

Laptop Scheme For Matric Students 2018 Registration Online

This book is aimed at chemistry teachers, teacher educators, chemistry education researchers, and all those who are interested in increasing the relevance of chemistry teaching and learning as well as students' perception of it. The book consists of 20 chapters. Each chapter focuses on a certain issue related to the relevance of chemistry education. These chapters are based on a recently suggested model of the relevance of science education, encompassing individual, societal, and vocational relevance, its present and future implications, as well as its intrinsic and extrinsic aspects. "Two highly distinguished chemical educators, Ingo Eilks and AviHofstein, have brought together 40 internationally renowned colleagues from 16 countries to offer an authoritative view of chemistry teaching today. Between them, the authors, in 20 chapters, give an exceptional description of the current state of chemical education and signpost the future in both research and in the classroom. There is special emphasis on the many attempts to enthuse students with an understanding of the central science, chemistry, which will be helped by having an appreciation of the role of the science in today's world. Themes which transcend all education such

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as collaborative work, communication skills, attitudes, inquiry learning and teaching, and problem solving are covered in detail and used in the context of teaching modern chemistry. The book is divided into four parts which describe the individual, the societal, the vocational and economic, and the non-formal dimensions and the editors bring all the disparate leads into a coherent narrative, that will be highly satisfying to experienced and new researchers and to teachers with the daunting task of teaching such an intellectually demanding subject. Just a brief glance at the index and the references will convince anyone interested in chemical education that this book is well worth studying; it is scholarly and readable and has tackled the most important issues in chemical education today and in the foreseeable future.” – Professor David Waddington, Emeritus Professor in Chemistry Education, University of York, United Kingdom

This comprehensive book is specially developed for the candidates of National MeansCumMerit Scholarship Exam (For Class VIII). This book includes Study Material & Previous Papers for the purpose of practice of questions based on the latest pattern of the examination. Detailed Explanatory Answers have also been provided for the selected questions for Better Understanding of the Candidates

High-stakes public examinations exert a dominant

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influence in most education systems. They affect both teacher and student behavior, especially at the middle and upper levels of secondary education. The content of past examinations tends to dictate what is taught and how it is taught and, more important, what is learned and how it is learned. By changing aspects of these examinations, especially their content and format, education systems can have a strong positive impact on teacher behavior and student learning, help raise student achievement levels, and better prepare students for tertiary-level education and for employment. Examination agencies, many of which have followed the same procedures over decades, can learn from the successes and failures of other systems. This book addresses current issues related to the development, administration, scoring, and usage of these high-stakes public examinations, identifying key issues and problems related to examinations in many emerging market economies as well as in advanced economies. The book's primary audience consists of public examination officials on national, regional, and state examination boards, but the book should also be of interest to senior education policy makers concerned with certification and learning achievement standards, to academics and researchers interested in educational assessment, to governmental and education agencies responsible for student selection, and to professionals at

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development organizations. “This extremely well-written and comprehensive book offers a timely review of the diversity of public examination practices worldwide; of the tensions between examinations and learning; and of the technical expertise involved in the creation of valid, reliable, and fair assessments. It reminds us that as “the diploma disease” takes hold with an ever-greater intensity at every stage of education worldwide, and the commercial business of testing flourishes, those concerned with educational quality and meaningful learning must be on guard to prevent the assessment tail wagging the educational dog.”

Angela W. Little, Professor Emerita, Institute of Education, University College London “This book is very well structured and written and draws on the authors’ remarkable global knowledge across countries and histories. It will be a great asset both to administrators responsible for examinations and to academics and other professionals who seek to understand the nature and impact of examinations of different types and in different settings.”

Mark Bray, UNESCO Chair Professor of Comparative Education, University of Hong Kong; and former Director, UNESCO International Institute for Educational Planning “I am sure that *Public Examinations Examined*, which thoroughly analyzes the practice of public examinations in different countries and makes profound and well-grounded

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conclusions, will arouse very great interest and will serve to further improve public examinations.†?

Victor Bolotov, Distinguished Professor, Higher School of Economics, National Research University, Moscow; member, Russian Academy of Education; and former Deputy Minister of Education, Russian Federation

Louis E. Fenech offers a compelling new examination of one of the only Persian compositions attributed to the tenth Sikh Guru, Guru Gobind Singh (1666-1708): the Zafar-namah or 'Epistle of Victory.' Written as a masnavi, a Persian poem, this letter was originally sent to the Mughal emperor Aurangzeb (d. 1707) rebuking his most unbecoming conduct. Incredibly, Guru Gobind Singh's letter is included today within the Sikh canon, one of only a very small handful of Persian-language texts granted the status of Sikh scripture. As such, its contents are sung on special Sikh occasions. Perhaps equally surprising is the fact that the letter appears in the tenth Guru's book or the Dasam Granth in the standard Gurmukhi script (in which Punjabi is written) but retains its original Persian language, a vernacular few Sikhs know. Drawing out the letter's direct and subtle references to the Iranian national epic, the Shah-namah, and to Shaikh Sa'di's thirteenth-century Bustan, Fenech demonstrates how this letter served as a form of Indo-Islamic verbal warfare, ensuring the tenth Guru's moral and

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symbolic victory over the legendary and powerful Mughal empire. Through analysis of the Zafar-namah, Fenech resurrects an essential and intriguing component of the Sikh tradition: its Islamicate aspect.

The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, *Excel 2013: The Missing Manual* shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations.

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Review financial data, use math and scientific formulas, and perform statistical analyses.

Praise for the first edition: “This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding.” –Philip Allen

This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a common focal point for “bridging the gap” between and unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services

Each chapter provides definitions of key terms, guiding principles, examples, author's notes, real-world examples, and exercises, which highlight and reinforce key

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SE&D concepts and practices Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design (MDD), Unified Modeling Language (UMLTM) / Systems Modeling Language (SysMLTM), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD); interface definition & control; system integration & test; and Verification & Validation (V&V) Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development; Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals.

The world's most infamous hacker offers an insider's view of

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the low-tech threats to high-tech security Kevin Mitnick's exploits as a cyber-desperado and fugitive form one of the most exhaustive FBI manhunts in history and have spawned dozens of articles, books, films, and documentaries. Since his release from federal prison, in 1998, Mitnick has turned his life around and established himself as one of the most sought-after computer security experts worldwide. Now, in *The Art of Deception*, the world's most notorious hacker gives new meaning to the old adage, "It takes a thief to catch a thief." Focusing on the human factors involved with information security, Mitnick explains why all the firewalls and encryption protocols in the world will never be enough to stop a savvy grifter intent on rifling a corporate database or an irate employee determined to crash a system. With the help of many fascinating true stories of successful attacks on business and government, he illustrates just how susceptible even the most locked-down information systems are to a slick con artist impersonating an IRS agent. Narrating from the points of view of both the attacker and the victims, he explains why each attack was so successful and how it could have been prevented in an engaging and highly readable style reminiscent of a true-crime novel. And, perhaps most importantly, Mitnick offers advice for preventing these types of social engineering hacks through security protocols, training programs, and manuals that address the human element of security.

Teaching at Its Best This third edition of the best-selling handbook offers faculty at all levels an essential toolbox of hundreds of practical teaching techniques, formats, classroom activities, and exercises, all of which can be implemented immediately. This thoroughly revised edition includes the newest portrait of the Millennial student; current research from cognitive psychology; a focus on outcomes maps; the latest legal options on copyright issues; and how to

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best use new technology including wikis, blogs, podcasts, vodcasts, and clickers. Entirely new chapters include subjects such as matching teaching methods with learning outcomes, inquiry-guided learning, and using visuals to teach, and new sections address Felder and Silverman's Index of Learning Styles, SCALE-UP classrooms, multiple true-false test items, and much more. Praise for the Third Edition of Teaching at Its Best Everyone—veterans as well as novices—will profit from reading Teaching at Its Best, for it provides both theory and practical suggestions for handling all of the problems one encounters in teaching classes varying in size, ability, and motivation."—Wilbert McKeachie, Department of Psychology, University of Michigan, and coauthor, McKeachie's Teaching Tips This new edition of Dr. Nilson's book, with its completely updated material and several new topics, is an even more powerful collection of ideas and tools than the last. What a great resource, especially for beginning teachers but also for us veterans!"—L. Dee Fink, author, Creating Significant Learning Experiences This third edition of Teaching at Its Best is successful at weaving the latest research on teaching and learning into what was already a thorough exploration of each topic. New information on how we learn, how students develop, and innovations in instructional strategies complement the solid foundation established in the first two editions."—Marilla D. Svinicki, Department of Psychology, The University of Texas, Austin, and coauthor, McKeachie's Teaching Tips

Reproductive health is concerned with the sexual and reproductive health of a human being. It focuses on enabling individuals to lead a satisfying, responsible, and safer sexual life, in which they are able to reproduce according to their own will. Reproductive health is also concerned with the awareness among people regarding affordable, safe and effective methods of birth control. The methods or devices

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used to prevent pregnancy are known as birth control or contraception. Some of the commonly used birth control methods include the use of oral pills, vaginal rings, condoms, intrauterine devices, tubectomy and vasectomy. This book elucidates the concepts and innovative models around prospective developments with respect to reproductive health. It strives to provide a fair idea about this discipline and to help develop a better understanding of the latest advances within this field. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

This book features a collection of high-quality, peer-reviewed papers presented at the Fourth International Conference on Intelligent Computing and Communication (ICICC 2020) organized by the Department of Computer Science and Engineering and the Department of Computer Science and Technology, Dayananda Sagar University, Bengaluru, India, on 18–20 September 2020. The book is organized in two volumes and discusses advanced and multi-disciplinary research regarding the design of smart computing and informatics. It focuses on innovation paradigms in system knowledge, intelligence and sustainability that can be applied to provide practical solutions to a number of problems in society, the environment and industry. Further, the book also addresses the deployment of emerging computational and knowledge transfer approaches, optimizing solutions in various disciplines of science, technology and health care. First published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

is a monthly journal devoted to the socio-economic issues. It started its publication in 1957 with Mr. Khuswant Singh as the Chief Editor. The magazine is now published in 13 languages viz. English, Hindi, Urdu, Punjabi, Marathi, Gujarati, Bengali, Assamese, Telugu, Tamil, Kannada, Malayalam and Odia.

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This is the 2nd edition of Technological Innovation. Profiting from technological innovation requires scientific and engineering expertise, and an understanding of how business and legal factors facilitate commercialization. This volume presents a multidisciplinary view of issues in technology commercialization and entrepreneurship.

Now in its fifth edition, the hugely popular Digital Marketing Excellence: Planning, Optimizing and Integrating Online Marketing is fully updated, keeping you in line with the changes in this dynamic and exciting field and helping you create effective and up-to-date customer-centric digital marketing plans. A practical guide to creating and executing digital marketing plans, it combines established approaches to marketing planning with the creative use of new digital models and digital tools. It is designed to support both marketers and digital marketers, and students of business or marketing who want a thorough yet practical grounding in digital marketing. Written by two highly experienced digital marketing consultants, the book shows you how to:

- Draw up an outline digital marketing plan
- Evaluate and apply digital marketing principles and models
- Integrate online and offline communications
- Implement customer-driven digital marketing
- Reduce costly trial and error
- Measure and enhance your digital marketing
- Learn best practices for reaching and engaging your audiences using the key digital

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marketing platforms like Apple, Facebook, Google and Twitter. This new edition seamlessly integrates the latest changes in social media technology, including expanded coverage of mobile technology, demonstrating how these new ways to reach customers can be integrated into your marketing plans. It also includes new sections on data analytics, clearly demonstrating how marketers can leverage data to their advantage. Offering a highly structured and accessible guide to a critical and far-reaching subject, Digital Marketing Excellence, Fifth Edition, provides a vital reference point for all students and managers involved in marketing strategy and implementation.

A farmhouse is being reproduced a dozen times, with slight variations, throughout a valley. Three small graves have been dug in the front garden, the middle one lying empty. A woman in a wheelchair sorts through boxes while her husband clammers around the old demolished buildings, wondering where the animals have gone. A young woman - called 'the barren one' behind her back - dreams of love, while an ageing headmaster contemplates the end of his life. At the entrance to the long dirt driveway, a car appears and pauses - pointed towards the house like a silver bullet, ticking with heat. So begins *The Dream House*, Craig Higginson's riveting and unforgettable novel set in the Midlands of KwaZulu-Natal. Written with dark wit,

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a stark poetic style and extraordinary tenderness, this is a story about the state of a nation and a deep meditation on memory, ageing, meaning, family, love and loss. This updated 2016 edition contains new content, with Craig Higginson exploring the background to *The Dream House*, his varied experiences in a farmhouse in KwaZulu-Natal and the subsequent and poignant motivations for this moving novel.

In response to requests for more accurate and complete information about financial aid for college students, the 'Division of Higher Education, Office of Education, undertook its Student Assistance Project for the collection, analysis, and dissemination of information about institutional student financial aid.

The present bulletin is the third in a planned series of 5 publications of the project. It is concerned with the several forms of institutional financial aid, such as fellowships, loans, and employment for graduate students in the academic year 1955-56. This bulletin is the result of several conferences and many discussions between staff members of the Office of Education and interested groups. The project has had, from its inception, the valuable counsel of a national advisory committee who helped to formulate the original questionnaire and who made many suggestions for the directory. This directory is based upon data assembled by questionnaires sent during May 1956 to 1,855 institutions of higher education

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listed in the "Education Directory Part 3, Higher Education." The student aid data sought included graduate fellowships, loans, and employment for the academic year 1955-56. An index is included. [Best copy available has been provided.].

The globalization of the competitive landscape has forced companies to fundamentally rethink their strategies. Whereas once only a few industries such as oil could be labeled truly global, today many—from pharmaceuticals to aircraft to computers—have become global in scale and scope. As a consequence, creating a global competitive advantage has become a key strategic issue for many companies. Crafting a global strategy requires making decisions about which strategy elements can and should be globalized and to what extent.

This book originated from a Discussion Group (Teaching Linear Algebra) that was held at the 13th International Conference on Mathematics Education (ICME-13). The aim was to consider and highlight current efforts regarding research and instruction on teaching and learning linear algebra from around the world, and to spark new collaborations. As the outcome of the two-day discussion at ICME-13, this book focuses on the pedagogy of linear algebra with a particular emphasis on tasks that are productive for learning. The main themes addressed include: theoretical perspectives on the teaching and learning of linear algebra; empirical analyses related to

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learning particular content in linear algebra; the use of technology and dynamic geometry software; and pedagogical discussions of challenging linear algebra tasks. Drawing on the expertise of mathematics education researchers and research mathematicians with experience in teaching linear algebra, this book gathers work from nine countries: Austria, Germany, Israel, Ireland, Mexico, Slovenia, Turkey, the USA and Zimbabwe.

What does pleasure have to do with morality? What role, if any, should intuition have in the formation of moral theory? If something is 'simulated', can it be immoral? This accessible and wide-ranging textbook explores these questions and many more. Key ideas in the fields of normative ethics, metaethics and applied ethics are explained rigorously and systematically, with a vivid writing style that enlivens the topics with energy and wit. Individual theories are discussed in detail in the first part of the book, before these positions are applied to a wide range of contemporary situations including business ethics, sexual ethics, and the acceptability of eating animals. A wealth of real-life examples, set out with depth and care, illuminate the complexities of different ethical approaches while conveying their modern-day relevance. This concise and highly engaging resource is tailored to the Ethics components of AQA Philosophy and OCR Religious Studies, with a clear and practical layout that includes end-of-chapter summaries, key terms, and common mistakes to avoid. It should also be of practical use for those teaching Philosophy as part of

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the International Baccalaureate. Ethics for A-Level is of particular value to students and teachers, but Fisher and Dimmock's precise and scholarly approach will appeal to anyone seeking a rigorous and lively introduction to the challenging subject of ethics. Tailored to the Ethics components of AQA Philosophy and OCR Religious Studies.

This timely volume documents the immediate, global impacts of the coronavirus pandemic (COVID-19) on teaching and learning in higher education. Focusing on student and faculty experiences of online and distance education, the text provides reflections on novel initiatives, unexpected challenges, and lessons learned. Responding to the urgent need to better understand online teaching and learning during the COVID-19 pandemic, this book investigates how the use of information and communication technologies (ICT) impacted students, faculty, and staff experiences during the COVID-19 lockdown. Chapters initially look at the challenges faced by universities and educators in their attempts to overcome the practical difficulties involved in developing effective online programming and pedagogy. The text then builds on these insights to highlight student experiences and consider issues of social connection and inequality. Finally, the volume looks forward to asking what lessons COVID-19 can offer for the future development of online and distance learning in higher education. This engaging volume will benefit researchers, academics, and educators with an interest in online teaching and eLearning, curriculum design, and more, specifically those involved with the digitalization of

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higher education. The text will also support further discussion and reflection around pedagogical transformation, international teaching and learning, and educational policy more broadly.

The idea of the gap year has taken hold in America. Since its development in Britain nearly fifty years ago, taking time off between secondary school and college has allowed students the opportunity to travel, develop crucial life skills, and grow up, all while doing volunteer work in much-needed parts of the developing world. The international multi-topic conference IMTIC 2008 was held in Pakistan during April 11–12, 2008. It was a joint venture between Mehran University, Jamshoro, Sindh and Aalborg University, Esbjerg, Denmark. Apart from the two-day main event, two workshops were also held: the Workshop on Creating Social Semantic Web 2.0 Information Spaces and the Workshop on Wireless Sensor Networks. Two hundred participants registered for the main conference from 24 countries and 43 papers were presented; the two workshops had overwhelming support and over 400 delegates registered. IMTIC 2008 served as a platform for international scientists and the engineering community in general, and in particular for local scientists and the engineering community to share and cooperate in various fields of interest. The topics presented had a reasonable balance between theory and practice in multidisciplinary topics. The conference also had excellent topics covered by the keynote speeches keeping in view the local requirements, which served as a stimulus for students as well as experienced participants. The Program Committee and various other

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committees were experts in their areas and each paper went through a double-blind peer review process. The conference received 135 submissions of which only 46 papers were selected for presentation: an acceptance rate of 34%.

This fully updated sixth edition of the international bestseller *Research Methods in Education* covers the whole range of methods currently employed by educational research at all stages. It is divided into five main parts: the context of educational research; planning educational research; styles of educational research; strategies for data collection and researching; and data analysis. The book also contains references to a comprehensive dedicated website of accompanying materials. The sixth edition includes new material on: complexity theory, ethics, sampling and sensitive educational research experimental research, questionnaire design and administration with practical guidance qualitative and quantitative data analysis, with practical examples internet based research. *Research Methods in Education* is essential reading for the professional researcher and continues to be the standard text for students and lecturers in educational research. To access the dedicated website of accompanying materials, please visit:

www.routledge.com/textbooks/9780415368780.

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This easy-to-read book introduces the basics of solving partial differential equations by means of finite difference methods. Unlike many of the traditional academic works on the topic, this book was written for practitioners.

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Accordingly, it especially addresses: the construction of finite difference schemes, formulation and implementation of algorithms, verification of implementations, analyses of physical behavior as implied by the numerical solutions, and how to apply the methods and software to solve problems in the fields of physics and biology.

First Published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

This book contains the contributions presented at the 7th international KES conference on Smart Education and e-Learning (KES SEEL-2020), which being held as a virtual conference on June 17-19, 2020. It contains fifty three high quality peer-reviewed papers that are grouped into several interconnected parts: Part 1 – Smart Education, Part 2 – Smart e-Learning, Part 3 – Smart Pedagogy, Part 4 - Smart Education: Systems and Technology, Part 5 – Smart Education: Case Studies and Research, Part 6 - Smart University Development: Organizational and Managerial Issues, Part 7 - Smart Education and Smart Universities and their Impact on Students with Disabilities, Part 8 - Mathematical Models in Smart Education and e-Learning, and Part 9 - Models of Professional Practice in Higher Education. Smart education and smart e-learning are emerging and rapidly growing areas with the potential to transform existing teaching strategies, learning environments, and

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educational activities and technology in the classroom. Smart education and smart e-learning focus on enabling instructors to develop new ways of achieving excellence in teaching in highly technological smart classrooms, and providing students with new opportunities to maximize their success and select the best options for their education, 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 and smart e-learning.

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