ICRSSEMA.
08-09 Dec 2025 | Sydney, Australia

INTERNATIONAL CONFERENCE ON

RESEARCH IN SOCIAL SCIENCE, EDUCATION, MANAGEMENT AND ARTS

ICRSSEMA-2025

📅 **08th & 09th December, 2025**   📍 **Sydney, Australia**

Academic Partner

UTTARANCHAL UNIVERSITY DEHRADUN | NAAC GRADE **A+**

Organized by:

IFERP Academy in Academic Collaboration with Uttaranchal, Institute of Management, Uttaranchal University, Uttarakhand, India

IFERP Academy
Explore Your Research Journey...

International Conference on Research in Social Science,
Education, Management and Arts, (ICRSSEMA-2025)

9 789392 104718

Table of Contents

Theme

"Advancing Sustainable Development: Interdisciplinary Insights from Social Science, Education, Management, and Arts"

PREFACE

We are delighted to extend a warm welcome to all participants attending International Congress on Research in Social Science, Education, Management and Arts (ICRSSEMA-2025), taking place in Sydney, Australia on 8th & 9th December 2025. This conference provides a vital platform for researchers, students, academicians, and industry professionals from all over the world to share their latest research results and development activities in the field of Emerging Trends in Engineering, Education, Business, Economics, Social Sciences, and Humanities. It offers delegates an opportunity to exchange new ideas and experiences, establish business or research relationships, and explore global collaborations.

The proceedings for ICRSSEMA-2025 contain the most up-to-date, comprehensive, and globally relevant knowledge in the field of Research in Social Science, Education, Management and Arts. All submitted papers were subject to rigorous peer-reviewing by 2-4 expert referees, and the papers included in these proceedings have been selected for their quality and relevance to the conference. We are confident that these proceedings will not only provide readers with a broad overview of the latest research results in Emerging Trends in Engineering, Education, Business, Economics, Social Sciences, and Humanities but also serve as a valuable summary and reference for further research in this field.

We are grateful for the support of many universities and research institutes, whose contributions were vital to the success of this conference. We extend our sincerest gratitude and highest respect to the many professors who played an important role in the review process, providing valuable feedback and suggestions to authors to improve their work. We also extend our appreciation to the external reviewers for providing additional support in the review process and to the authors for contributing their research results to the ICRSSEMA-2025.

We would like to thank all participants at the conference for their significant contribution to its success. We express our gratitude to the keynote and individual speakers and all participating authors for their dedication and hard work. We also sincerely appreciate the efforts of the technical program committee and all reviewers, whose contributions made this conference possible. Finally, we extend our thanks to all the referees for their constructive comments on all papers, and we express our deepest gratitude to the organizing committee for their tireless work in making this conference a reality.

ABOUT ICRSSEMA - 2025

International Conference on Research in Social Science, Education, Management and Arts (ICRSSEMA-2025) is a premier global platform that brings together researchers, academicians, industry experts, and professionals from diverse fields to explore the role of interdisciplinary research in advancing sustainable development.

aking place on 8th & 9th December 2025, in Sydney, Australia, with hybrid participation options, ICRSSEMA-2025 provides an opportunity to connect, collaborate, and contribute to discussions that shape the future of social sciences, education, business, arts, and engineering in a rapidly evolving world.

Under the theme "Advancing Sustainable Development: Interdisciplinary Insights from Social Science, Education, Management, Arts, and Engineering", this conference aims to foster cross-disciplinary dialogues that drive impactful change in academia, industry, and policy-making.

Objectives of the Conference

- **Encourage Interdisciplinary Research** Facilitate knowledge exchange across social sciences, education, management, arts, and engineering to promote sustainable solutions.
- **Promote Sustainable Development Goals (SDGs)** Align discussions with global sustainability efforts to address societal, economic, and environmental challenges.
- **Enhance Collaboration & Networking** Build partnerships between researchers, practitioners, and policymakers for cross-sectoral impact.
- **Foster Innovation in Education & Technology** Explore digital advancements and innovative teaching methodologies that enhance learning experiences.
- **Support Cultural & Economic Growth** Highlight the role of arts, business, and technology in creating inclusive, culturally aware, and economically viable societies.

Benefits of the Conference

- **Engage with Global Experts** Gain insights from renowned speakers, researchers, and professionals in multiple disciplines.
- **Present & Publish Your Research** Showcase your findings and contribute to international academic discourse.
- **Access to Conference Proceedings** Gain exclusive access to published research papers and conference materials.
- **Hybrid Participation Flexibility** Join from anywhere in the world, either in person or virtually.
- **Networking & Collaboration** Build meaningful professional connections with experts from academia, industry, and government sectors.
- **Stay Ahead of Trends** Learn about emerging methodologies, technological advancements, and policy implications in sustainable development..

ABOUT IFERP

The IFERP Academy is a committed professional organization that advances engineering, science, and technology. IFERP anticipates a global scientific community brought together by digital innovation. This organization puts a great emphasis on promoting research activities, communicating the newest insights, and driving industrial trends. IFERP has built strong networks throughout Asia, the Middle East, Europe, and nations like Iraq, Malaysia, Australia, and more. They have incorporated networking, research support, publications, and other worked in other scientific areas.

IFERP excels in organizing International Conferences that connect researchers worldwide. It holds important international webinars, publishes journals and publications that are indexed by Web of Science and SCOPUS, and provides thorough research assistance and guidance. Engaging in Youth Empowerment projects and encouraging Industry-Institute Interaction are key components of IFERP's goal. The organization is committed to enabling professionals using faculty advancement, skill development, and persistent research and publication initiatives.

MISSION
Upskilling the knowledge hub through technological innovation and excellence for the benefit of humanity.

VISION
A Digitally equipped robust, dynamic & swift professional community integrating academics & industry for upgraded technical knowledge implementation.

VALUES
IFERP values the restoration of high- level technological research, learning, collaboration, resource sharing & community-building traditions.

GOALS
To serve as the foundation for all technological progress and advancement activities around the world.

MESSAGE FROM
MANAGING DIRECTOR, IFERP

Mr. A. Siddth Kumar Chhajer

**MD & Founder,
IFERP, Technoarete Group**

On behalf of Institute For Educational Research and Publications (IFERP) & the organizing Committee, I express my hearty gratitude to the Participants, Keynote Speakers, Delegates, Reviewers and Researchers.

The goal of the International Congress on Research in Social Science, Education, Management and Arts (ICRSSEMA-2025)is to provide knowledge enrichment and innovative technical exchange between international researchers or scholars and practitioners from the academia and industries in the field of Research in Social Science, Education, Management and Arts.

This conference creates solutions in different ways and to share innovative ideas in the field of Research in Social Science, Education, Management and Arts. ICRSSEMA-2025 provides a world class stage to the Researchers, Professionals, Scientists, Academicians and Students to engage in very challenging conversations, assess the current body of research and determine knowledge and capability gaps.

International Congress on Research in Social Science, Education, Management and Arts (ICRSSEMA-2025) will explore the new horizons of innovations from distinguished Researchers, Scientists and Eminent Authors in academia and industry working for the advancements in Research in Social Science, Education, Management and Arts from all over the world. ICRSSEMA-2025 hopes to set the perfect platform for participants to establish careers as successful and globally renowned specialists in the field of Research in Social Science, Education, Management and Arts.

MESSAGE FROM
CHIEF EXECUTIVE, IFERP

Mr. Rudra Bhanu Satpathy

**CEO & Founder,
IFERP, Technoarete Group**

IFERP is hosting the International Congress on Research in Social Science, Education, Management and Arts (ICRSSEMA-2025) this year in month of 8th & 9th December 2025, Sydney, Australia. The main objective of ICRSSEMA-2025 is to grant the amazing opportunity to learn about groundbreaking developments in modern industry, talk through difficult workplace scenarios with peers who experience the same pain points and experience enormous growth and development as a professional. There will be no shortage of continuous networking opportunities and informational sessions. The sessions serve as an excellent opportunity to soak up information from widely respected experts.

Connecting with fellow professionals and sharing the success stories of your firm is an excellent way to build relations and become known as a thought leader.

I express my hearty gratitude to all my Colleagues, Staffs, Professors, Reviewers and Members of Organizing Committee for their hearty and dedicated support to make this conference successful. I am also thankful to all our delegates for their pain staking effort to make this conference successful.

BIOGRAPHY OF
KEYNOTE SPEAKER

Ts. Dr. Chan Shiau Wei

Senior Lecturer, Department of Production and Operation Management, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia

Ts. Dr. Chan Shiau Wei is a Senior Lecturer in the Department of Production and Operation Management, Faculty of Technology Management and Business at Universiti Tun Hussein Onn Malaysia (UTHM), Johor, Malaysia. She holds a Ph.D. and a master's degree in Mathematics Education from Universiti Teknologi Malaysia and was a postdoctoral research fellow at the National Institute of Education, Nanyang Technological University, Singapore. Her research focuses on computational thinking, statistical reasoning, educational technology, business, and management. As a Professional Technologist certified by the Malaysia Board of Technologists (MBOT), she actively contributes to academia, serving on the Editorial Board of SN Social Sciences and the Turkish Online Journal of Educational Technology. Additionally, she is the Managing Editor of the Journal of Technology Management and Business at UTHM. In recognition of her excellence, she was awarded the Excellent Service Award by UTHM in 2023. She has also been invited as a speaker by KGW Logistics (M) Sdn Bhd and IVC Consultancy Sdn Bhd to share insights on the e-commerce business. Beyond academia, she contributes to corporate social responsibility activities, including Caring for Wetlands and advocating for environmental conservation and sustainability.

BIOGRAPHY OF
KEYNOTE SPEAKER

Dr. Md Enamul Hoque

Professor Department of Biomedical Engineering, Military Institute of Science and Technology (MIST), Dhaka, Bangladesh

Prof. Dr. Md. Mamun Habib is a Professor & Head of the Management Department at the School of Business & Entrepreneurship (SBE), Independent University, Bangladesh (IUB). He is a Visiting Scientist at the Dept. of Industrial Engineering of the University of Texas – Arlington, USA. He is also a Visiting Professor at Unirazak, Malaysia; UCSI, Malaysia; PUP, Philippines; Beijing Wuzi University, China; and Universitas Ciputra, Indonesia. He is involved in Ph.D. supervision locally and internationally. He supervises ten (10) Ph.D. scholars locally and globally, and eleven (11) Ph.D. scholars have been awarded. He has over 22 years of experience in teaching, training, workshops, consultancy, and research. Dr. Habib has published about 250 research publications, including conference proceedings, journal articles, and book chapters/books. Among them, more than 80 articles are Web of Science and Scopus-indexed. He serves as the Editor-in-Chief/Editorial Board Member of more than 50 journals. He delivers Keynote speeches at 80+ international conferences in various countries. He conducted over 200 webinars and workshops locally and internationally. He accomplished his Ph.D. and M.S. with outstanding performance in Computer & Engineering Management (CEM) from Assumption University, Thailand. His core research areas are supply chain management, production & operationsmanagement, research methodology, and educational management.

BIOGRAPHY OF
KEYNOTE SPEAKER

Dr. Shampy Kamboj

Assistant Professor, Department of Management Studies, National Institute of Technology, Hamirpur, Himachal Pradesh, India

Dr. Shampy Kamboj presently works as an Assistant Professor at Department of Management Studies, NIT Hamirpur, Himachal Pradesh (HP). She earned her Ph.D. from IIT Roorkee, Uttarakhand (UK). Prior to join NIT Hamirpur, she has worked as an Assistant Professor and Programme leader in Amity School of Business at Amity University, Noida campus (Delhi-NCR). Her research interests are in the area of Marketing Management and Information Systems (IS) including Social Media, Digital Marketing, Customer Co-creation, Customer Engagement, Service Innovation, Consumer-Brand Relationships, Hospitality, Travel and Tourism Marketing, Sustainability, Big Data, Artificial Intelligence, Internet of Things (IoTs) etc. Her work on these topics has been published in various SSCI, Scopus, ABDC (with A* and A rating) indexed journals including International Journal of Information Management (ABDC-A*), Journal of Brand Management (ABDC-A), International Journal of Bank Marketing (ABDC-A), Journal of Business Research (ABDC-A), Asia Pacific Journal of Marketing and Logistics (ABDC-A), Journal of Retailing and Consumer Services (ABDC-A), Marketing Intelligence & Planning (ABDC-A), Technological Forecasting and Social Change (ABDC-A), Information Systems Frontiers (ABDC-A), Current Issues in Tourism (ABDC-A), Journal of Knowledge Management (ABDC-A), Internet Research (ABDC-A), International Journal of Contemporary Hospitality Management (ABDC-A). Additionally, Dr. Kamboj has to her credit a number of case studies as well as book chapters in ABDC, E-SCI and Scopus indexed journals/edited books. She is a recipient of ADMAA-"Best Researcher Award" and "ASB research Award" at 5th ADMAA (January – June 2017), 6th ADMAA (July - December2017), 7th ADMAA (January - June 2018) and 8th ADMAA ((July - December 2018) sponsored by Amity University, Noida and Amity Directorate of Management & Allied Areas, Noida respectively. Besides, being on the ad-hoc reviewer panel of reputed journals of Science direct (Elsevier), Emerald, Springer, Taylor and Francis, IGI Global, Inderscience and Wiley, she has also reviewed research papers submitted in several International Conferences held at USA, UK, Italy, Spain, Turkey and Greece.

BIOGRAPHY OF
PLENARY KEYNOTE SPEAKER

Dr. Ir. Arman Hakim Nasution

Assistant Professor, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia

Dr. Ir. Arman Hakim Nasution, M.Eng., CPMS, CHRM (IPMC), is an Associate Professor at ITS, Surabaya. He completed his Doctoral Degree at Universitas Gadjah Mada (UGM), Yogyakarta in 2015, and his master's degree at the Asian Institute of Technology (AIT), Bangkok in 1998. Besides being a lecturer in Business Management, he also has extensive experience as a trainer in manufacturing and performance systems. In the corporate sector, he has served as the Main Commissioner of BBI, one of the major state-owned manufacturing enterprises, and as a member of the Risk Committee at Barata Indonesia. Currently, he has served for more than six years as the Head of Industrial Development and Public Policy at ITS, a position that bridges collaboration between government, business, and academia.

BIOGRAPHY OF
PLENARY KEYNOTE SPEAKER

Srinivas Jadhav PMP®, MS

(Data Science, AI, ML), JusterNet Corporation, USA

Srinivas Jadhav is a PMP Certified Solution Architect at JusterNet Corporation with over 23 years of experience designing and implementing technology solutions that deliver measurable business value. His expertise covers cloud computing, artificial intelligence, machine learning, and scalable data platforms, with a strong focus on Azure architectures and modern data stacks. He has hands-on experience with leading AI/ML frameworks and cloud services, building secure, end-to-end intelligent systems. Mr. Jadhav leads multiple initiatives that embed advanced AI into production-ready enterprise solutions, aligning architecture, data, and governance with organizational strategy. His work bridges application development and analytics to create reliable, data-driven applications and visualizations that support decision-making and encourage innovation across global, cross-functional teams. In his spare time, Srinivas enjoys playing the guitar, singing karaoke, and exploring new ways modern technology can enhance learning, collaboration, and creativity in everyday life and work.

BIOGRAPHY OF
SESSION SPEAKER

Dr. Santosh Kumar Rai

Research Director, Department of Mechanical Engineering, Sri Satya Sai University of Technology & Medical Science, Sehore, India

Dr. Santosh Kumar Rai is the Research Director at Sri Satya Sai University of Technology & Medical Sciences (SSSUTMS), Sehore, India, and a distinguished academic in the field of mechanical engineering. He completed his postgraduate studies at IIITDM Jabalpur and has published over 40 research papers in reputed national and international journals, including the Journal of Energy Storage and Nuclear Engineering and Design. His research interests span energy systems, thermal engineering, and advanced materials. In addition to his scholarly contributions, Dr. Rai serves as a reviewer for various renowned journals, actively contributing to the advancement of engineering research and innovation in India.

BIOGRAPHY OF
SESSION SPEAKER

Dr. Amar Johri

Assistant Professor, College of Administrative and Financial Sciences, Saudi Electronic University,Dammam, Saudi Arabia

Dr. Amar Johri has been an Assistant Professor in the College of Administrative and Financial Sciences at Saudi Electronic University, Kingdom of Saudi Arabia, since September 2019. He has more than 18 years of academic experience. He obtained his doctorate (PhD) from Graphic Era University, Dehradun, Uttarakhand, India. His research interests include financial services, financial markets, banking, investment, accounting, and general management. He has publishedaround 75 research papers in national and international journals (including Web of Science: SSCI, SCIE, Q1, Q2, Q3, Q4 & ESCI journals, Scopus Q1, Q2, Q3 and Q4 indexed journals, ABDC A and ABS Rank 1 category journals, and Proceedings of International Conferences ofrepute) and has presented around 40 research papers in national and international conferences.He has completed two funded research projects as a principal researcher and one as a co-researcher. He is also working on a few more research projects. He also has various chapters inScopus-indexed books. He has been the chair of the technical sessions and honored as a chiefguest (valedictory session) at the international conference. He has also authored an accounting book. He is an editorial board member of various reputed journals, including Web of Science and Scopus-indexed journals. He is also the book editor for various Scopus-indexed books. He has also published two patents. He delivers and conducts sessions on financial planning, financial literacy, investment decisions, corporate finance, accounting information systems, corporate accounting, and Microsoft Excel and its use in accounting, finance, and statistics calculations. He has been a keynote speaker at various international conferences. He is the reviewer and article editor of various reputed journals, including Web of Science and Scopus-indexed journals, and has reviewed more than 100 research papers. He has also examined PhD theses for universities as an external examiner. He also serves as an external academic expert to review the programstructure. His area of teaching interest includes finance, accounting, and taxation.

BIOGRAPHY OF
SESSION SPEAKER

Dr. Azli Bin Yahya, PEng., CEng.

Assistant Professor, University of Technology Malaysia, Johor, Malaysia

Azli Yahya is an Associate Professor at Universiti Teknologi Malaysia since 2015. He is also a Chartered (CEng) and Professional Engineer (PEng). He holds a Degree in Electro - Mechanical Power System and Masters Degree in Electronic Production from Glamorgan University, UK. He is a doctorate of Loughborough University, UK specializing in Power Electronic System. His areas of researches are Analog/Digital Circuit Design, Power Supply, Electrical Discharge Machining and Biomedical Instrumentation. He has authored or co - authored more than 100 papers published in international/national journals and conferences.At national level, he serves SIRIM as technical committees for Active Medical Devices And Low-Voltage Equipment/System For Healthcare Facilities (SIRIM TC10) and Anaesthetic/Respiratory and Electromechanical Devices (SIRIM TC3).

COMMITTEE MEMBERS

Organizing Committee

Dr. Rachel Fitzgerald

Deputy Associate Dean, Faculty of Business, Economics and Law, The University of Queensland, Australia

Venkatesh Mahadevan

Professor, Higher Education Consultant/ Executive Academic Dean, Global Technology and Business Institute (GTBI), Nexus Institute of Higher Education (NIHE), Australia

Mohan Ganavarapu

Managing Director/Sr.Engineering Consultant, Engineering and Technology, MAS Adroit (Adroit Engtech Pty Ltd), Australia

Scientific Committee

Dr. Norberto Ulises Román Concha

Associate Professor, Department of Computer Science, Universidad Nacional Mayor de San Marcos (UNMSM), Peru

Dr. Hugo Vega

Principal, Department of Computer Science, Universidad Nacional Mayor de San Marcos (UNMSM), Peru

Dr. Nolan Jara Jara

Director, Department of Electronic Engineering, Universidad Nacional Mayor de San Marcos (UNMSM), Peru

Dr. Patricia Glorio

Professor, Department of Food Engineering, Universidad Nacional Agraria La Molina (UNALM), Peru

Review Committee

Dr. Azli Bin Yahya

Associate Professor, Department Electrical & Electronic Engineering, Universiti Teknologi Malaysia, Malaysia

Abstract's Index

Abstracts

From Human to Hybrid: Reinventing Dual Concern Theory in the Age of AI Transformation

Olfat Ganji Bidmeshk

Assistant Professor, University Canada West, Vancouver, Canada

Amit Kohli

Associate Professor, University Canada West, Vancouver, Canada

Abstract:

The integration of artificial intelligence (AI) into organizational processes represents a profound shift from purely human-centric operations toward complex human-machine hybrid environments. Traditional stakeholder theories, such as Dual Concern Theory (DCT), originally conceptualized in the context of purely interpersonal interactions, have become increasingly inadequate to address the nuanced dynamics presented by AI-driven transformations. This paper critically revisits and extends DCT, positioning it as a robust analytical framework specifically tailored to address the emerging challenges of stakeholder management within AI-intensive contexts. We introduce novel AI-specific dimensions including algorithmic uncertainty, ethical dilemmas arising from AI bias and transparency, anxieties related to job displacement and automation, and complexities in human-AI collaborative interactions. These dimensions fundamentally redefine stakeholder perceptions, motivations, and responses during AI implementations. Utilizing comprehensive empirical data from cross-sectoral AI transformation case studies, we illustrate how our reconceptualized "AI-Enhanced Dual Concern Framework" effectively categorizes stakeholders and informs precise conflict-resolution and engagement strategies.

Our findings demonstrate that addressing algorithmic uncertainty and ethical concerns proactively reduces stakeholder resistance and significantly enhances acceptance and collaboration in AI projects. Further, explicitly managing automation anxiety through transparent communication and clearly defining human-AI roles fosters a smoother transition into hybrid workplaces. By expanding the theoretical boundaries of Dual Concern Theory, this study provides both academics and practitioners with a refined toolkit essential for navigating the complexities of stakeholder engagement in contemporary AI transformations. Ultimately, this innovative theoretical approach contributes significantly to the scholarly discourse on AI integration, emphasizing ethically responsible, strategically sound, and practically feasible stakeholder management.

Keywords:

Artificial Intelligence, Dual Concern Theory, AI Transformation, Stakeholder Management, Human-AI Interaction, Ethical AI.

Bridging Pedagogy and Technology: Understanding Teacher Needs in RADEC and Augmented Reality

Dessy Norma Juita

Lecturer, Universitas Negeri Jakarta, Indonesia

Iin Iryance

Student, Universitas Pakuan, Indonesia

Abstract:

Designing innovative and engaging instructional media has become an essential responsibility for educators in the context of 21st-century education. Augmented Reality (AR) technology presents a powerful means to deliver interactive and immersive learning experiences. Despite its potential, many teachers, especially at the secondary level, encounter significant barriers due to limited exposure and inadequate training in AR. The RADEC model (Read, Answer, Discuss, Explain, Create), which fosters critical, creative, and innovative thinking, offers a promising framework for integrating AR into instructional practice. This preliminary study investigates teachers' perceptions and professional development needs related to AR and RADEC-based training for educational media creation. Utilizing a survey method, the study involved 30 secondary school teachers from Eduversal partner schools to examine their understanding of AR, training expectations, and anticipated challenges in applying AR in their teaching. The findings indicate that teachers generally perceive AR positively, recognizing its ability to help students grasp abstract concepts more effectively. Participants also expressed a strong desire for hands-on, practical training, while noting obstacles such as limited access to technology and time constraints. The study offers important insights for the development of responsive training programs that support teachers in effectively integrating AR into their classrooms.

Keywords:

Augmented Reality, RADEC, teacher professional development, educational technology.

Preliminary Research on Teacher Training Management for Making Learning Videos with Canva AI: Digital Education Innovation

Iin Iryance
Student, Universitas Pakuan, Indonesia

Dessy Norma Juita
Lecturer, Universitas Negeri Jakarta, Indonesia

Abstract:

In the Society 5.0 era, educators are expected to possess advanced skills to keep pace with rapid technological advancements. Mastery of information and communication technology has become essential for teachers. However, many educators still face challenges in understanding and utilizing digital tools effectively in the learning process. To address this gap, it is necessary to develop a training management model aimed at enhancing teachers' digital competencies. This study focuses on exploring the management of training in creating learning videos using Canva AI an innovative and user-friendly platform that enables educators to produce engaging, interactive content tailored to students' needs. This preliminary research emphasizes the needs analysis stage within a research and development framework. The goal is to gather critical information related to the development of relevant training programs. Data collection methods included interviews, literature review, and a field survey involving 85 teachers across various educational levels in Indonesia. The results indicate a strong demand for training in the creation of IT-based instructional media, particularly using Canva AI. This training is essential to support teachers in strengthening their professional skills and responding to the educational challenges of the 5.0 era. The findings of this study provide valuable input for the formulation of effective training models and serve as a recommendation for educational institutions to enhance the integration of AI-powered tools in teaching. Promoting such training will help educators develop meaningful learning experiences and prepare students for the digital future.

Keywords:

Training Management, Canva AI, Learning Videos, Educational Innovation, Digital Technology.

Building Condition Assessment Toward Maintenance Strategies: A Preliminary Survey

M. Dahuri

Department of Architecture and Built Environment, National University of Malaysia, Malaysia

A. F. Zakaria

2Department of Engineering Education, National University of Malaysia, Malaysia

A.I. Che Ani

Department of Architecture and Built Environment, National University of Malaysia, Malaysia

M. F Osman

Department of Polytechnic and Community College Education, Ministry of Higher Education, New Delhi

S. N Yaakop

Selandar Malacca Community College of Malaysia, Malaysia

N. M Merejok

Port Dickson Polytechnic of Malaysia, Malaysia

M.A.A Wahab

Department of Polytechnic and Community College Education, Ministry of Higher Education, New Delhi

M.A.A Rahman

Mukah Sarawak Polytechnic of Malaysia, Malaysia

Abstract:

Building maintenance management plays an important role in ensuring the sustainability of educational facilities, especially in TVET institutions such as polytechnics in Malaysia. This study aimed to evaluate the effectiveness of a systematic approach in assessing the condition of buildings using the Condition Survey Protocol 1 (CSP 1) and the Building Condition Assessment Rating System (BCARS) scoring system. Three polytechnics were involved in this study through visual inspections of mechanical engineering blocks, covering an area of between 10,000–15,000 m². Findings showed that ceiling, wall and door components recorded the highest defects and contributed to the most critical matrix scores. Pearson and Spearman correlation analyses demonstrated a strong relationship between the number of defects and repair priorities. The study results support the need for data- and performance-based maintenance strategies, and provide justification for more focused and high-impact maintenance budget planning for TVET institutions.

Keywords:

Building Condition Assessment, Maintenance Strategy, Malaysian Polytechnics, BCARS, TVET Budget.

The Impact of Avatar-Delivered AI Feedback on Cambodian Students' Academic Writing: The Moderating Role of Self-Efficacy

Mansoureh Bahadori

Lecturer, CamEd Business School, Phnom Penh, Cambodia

Abstract:

Despite the expanding use of Artificial Intelligence (AI) in higher education for English as a Foreign Language (EFL) learners, the feedback generated by standard AI tools often remains general and impersonal. This challenge is particularly evident in under-researched contexts such as Cambodia, where innovative and culturally responsive pedagogical strategies are needed. The present study examined the effectiveness of prompt-guided AI feedback delivered through a lecturer's avatar in improving students' academic writing quality and explored the moderating role of writing self-efficacy. A pretest-posttest quasi-experimental design was implemented with 54 first-year Finance and Accounting students enrolled in an English for Academic Purposes course at a business school in Cambodia. Writing quality (measured in terms of argumentation, analysis, evidence, APA citation, and cohesion) was assessed using a validated analytic rubric. Results from a paired-samples t-test indicated a significant improvement in writing scores from pretest (M=11.18) to posttest (M=14.90), $t(53)$ = -29.09, p<.001, d=.94. A one-way ANOVA further revealed that students with high writing self-efficacy achieved significantly greater gains than their low- and moderate-efficacy peers (p<.05, η^2=.17). These findings suggest that avatar-delivered AI feedback not only enhances the quality of academic writing but also interacts meaningfully with learners' self-efficacy beliefs. The study provides empirical evidence for the pedagogical value of embodied AI feedback in developing EFL students' academic writing competence and offers guidance for integrating AI tools ethically and effectively in higher education.

Keywords:

AI in Education, Academic Writing, EFL Learners, Pedagogical Agents, Embodied AI, Cambodia, Higher Education.

Health Promotional Behaviors Among Adolescents Studying in Grade Twelve in Government Schools of Lalitpur, Nepal

Manju Nepal

Associate Professor, Nursing Faculty, Patan Academy of Health Sciences School of Nursing and Midwifery, Lalitpur, Nepal

Abstract:

Background of the Study: Though, adolescents are the groups of apparently healthy individuals; the prevalence of many preventable chronic diseases among these populations is increasing worldwide. The most common prevalent chronic diseases among these populations are chronic kidney diseases, Respiratory diseases such as rhinitis, sinusitis and asthma, diabetes, cardiovascular diseases and cancers. Majority of adolescents are exposed with risky behaviors from the early adolescence period are closely related to develop chronic disease in later life these risky behaviors of adolescents are smoking and alcohol consumption, physical inactivity and low consumption of fruits and vegetables as well as being stressful.

These chronic diseases cause a significant burden on health systems, presenting a challenge to universal health coverage and threatening to achieve sustainable development goal in the sense to achieve the good health and wellbeing and this ultimately leads to poverty due the loss of productivity and high cost treatment. In some extend these chronic disease can be prevented by encouraging adolescents to adopt health promotional behaviors from the beginning of childhood. Health promotion is the positive behaviors adopted by people, which will enhance the wellbeing through the practice of healthy behavior from the beginning of the adolescents. These behaviors are aimed at preventing chronic illness, promoting physical and mental well-being, and enhancing overall quality of life among people. Adolescence is a period of rapid growth and development, so the fundamental requirements of health promotion are best established as early as possible.

Purpose of the study: The purpose of this study was to identify the health promotional behaviors of adolescents studying in grade 12.

Methods: A quantitative descriptive cross-sectional analytical study design was conducted among 295 adolescents' students studying in grade 12 of selected five higher secondary schools of Lalitpur District by using convenience sampling technique. Ethical approval was taken from Nepal Health Research Council (Ref: 3120) on 22nd May 2023. Data were collected from 8th December 2023 to 5th March 2024 through a validated tool Adolescents Health Promotional Scale: Short Form developed by Prof Mei-Yen, Chen, 2014 in Taiwan. After getting the permission from the author, the content validity of this AHPS-SF had been made from the methodological and subject expertise of Patan Academy

of Health Sciences, School of Nursing and Midwifery in the context of Nepal. All three experts were satisfied for the clarity and simplicity of the items. Then the tool was developed in Nepali language. The value of overall Scale Content Validity Index (S-CVI) was 0.90 which indicate that the tool was valid in Nepal also. Pretesting of the instrument was done among 10% of sample size (295) that is 30 adolescents studying in grade 12 in Prabhat Secondary School, Gwarko. The Cronbach's Alpha of pretesting was .794 which indicates that the tool was acceptable.

After collecting the data, an awareness class was taken to all adolescents and researchers made leaflets on health promotional behavior of adolescents were provided to all adolescents. Descriptive and inferential statistics were done for data analysis at a significance level of 0.05.

Results: The overall mean score of health promotional behaviors of adolescents was 66.62±14.06. The higher mean score percentage was obtained in life appreciation behaviors 58.6% and minimum score in exercise behaviors 39.3%. Additionally, most of the respondents (83.1%) had normal/healthy weight, 8.8% underweight and 6.7% had over weight and obesity was found in insignificant number of respondents (1.7%). Regarding the blood pressure categories, more than half of respondents (55.6%) had either elevated systolic or diastolic blood pressure. There was no significant differences found in age, gender, type of family, living arrangement, parental occupation, parental education and chronic health problem in family with health promotional behaviors of adolescents.

Conclusion: This study concludes that more than half of respondents had a good health promotional behaviors. Likewise, female adolescents had better health promotional behavior in comparison to male adolescents' student. Most of the respondents had normal weight for the their height and age, as well as nearly one out of ten had under-weight and obesity was observed in insignificant number of respondents. Regarding the blood pressure categories, more than half of respondents had either elevated systolic or diastolic blood pressure. The findings suggest that adolescent should be more aware regarding their health and adopt the healthy behaviors in life.

Keywords:

Adolescent, health promotional behaviors.

The Health of a Nation Through Lifelong Learning: Creativity is your Lifeline

Dr. Maria Susy Rogers,

Ph.D Scholar, Faculty of Life Sciences and Education, University of South Wales, Pontypridd, South Wales, UK

Abstract:

The launch of "The National Framework for Social Prescribing in Wales" (Welsh Government, December 2023) provides the fulfilment of well-being for people in Wales and sustainability of the services' functions of Local Authorities and Health Boards in Wales. Professor Carolyn Wallace, Director of The Wales School for Social Prescribing Research (WSSPR) became a central figure for this. Dr Rogers presents the Current Research Paper relating to the exploration of perceived Critical Success Factors (CFSs) that Service Providers in Wales, UK regard essential for the sustainability of Social Prescribing (SP) Art-on-Prescription (AoP) for Health and Well-being in Wales. AoP is seen as a cost-effective alternative, adopting non-drug, non-health-service interventions, within community settings, to improve and manage the health and well-being for those with usually long-term mental conditions.

A mixed methods methodology implemented Group Concept Mapping (GCM) (Kane and Trochim, 2007), with the application of GroupWisdom software as a versatile research tool. During the first four years of the project (2021-2025) 'low risk' ethical approval was granted for a sample population of Service Providers. Further research will explore expectations/desires/perceptions of Service Users themselves. Work-in-Progress may then triangulate the data to see whether the perceptions of Service Users match those of Service Providers.

Keywords:

Social Prescribing, Art-on-Prescription, creativity, PVM Pedagogical Variation Model, lifespan, non-drug intervention, Group Concept Mapping, GCM, GroupWisdomTM, Service Providers, Service Users, Triangulation.

The Effectiveness of Canva in Individual Tutoring of Young Learners

Sruthi S

Research Scholar, Department of Education, PSB University, Phnom Penh, Cambodia

Abstract:

In the digital age, it is a challenge for teachers to integrate appropriate tools into providing an interactive session with students. How can a well-chosen digital tool enhance a warmer into a fun discovery, a lead-in into creative engagement, and a conversation activity into a meaningful expression? This reflective study finds an answer using Canva, a visual design application, launched in 2013 by Melanie Perkins, Cliff Obrecht, and Cameron Adams. The effectiveness of Canva in one-to-one tutoring sessions on public speaking and creative writing was evaluated with individual learners in grades 3, 4, and 5. In this qualitative method, the tutor observed three sessions through online teaching, supported by literature about multimodal learning and digital pedagogy. It was observed that visual appeal and interactive templates in Canva support increased learner engagement, comprehension, and creative expression. On the other hand, the main challenge was also noted: the focus on the visuals rather than the content. While prior studies have focused on Canva in secondary or higher education, this paper points out a gap in exploring its role in personalized tutoring for young learners. These results directly contribute to the attainment of Sustainable Development Goal 4, Quality Education, by demonstrating how digital tools like Canva can make foundational learning more inclusive, equitable, and effective. Canva promotes innovation in education by promoting sustainable, student-centered practices that nurture lifelong learning skills. It sheds light into the benefits of Canva's integration into different lesson stages of online face-to-face tutoring of public speaking and creative writing sessions. The strategic use of Canva has been effective during warmers and lead-ins to stimulate curiosity and engagement, while in conversation activities, it promotes spontaneous speech and creative thinking.

Keywords:

Canva, multimodal learning, young learners, digital pedagogy, one-to-one tutoring.

Revisiting the Role of Human Capital and Political Stability in Promoting Economic Growth: Evidence from Selected Developing Economies

Esha Abbasi

MS Scholar, Department of Economics, University of Wah, United Kingdom

Sania Shaheen

Assistant Professor, Department of Economics, University of Wah, United Kingdom

Karishma Khan

MS Scholar, Department of Economics, University of Wah, United Kingdom

Abstract:

Investing in human capital and maintaining political stability are essential drivers for unlocking economic development of any economy. These factors foster economic growth, enhance investor confidence, and create opportunities by harnessing the potential of the country's youthful population and innovative capacity. Collectively, they contribute to sustainable development and strengthen resilience against global challenges. Hence, the current study investigates the impact of human capital, political stability, and government expenditure on economic growth for the selected developing economies. For empirical estimation, the current study used the annual time-series data from 1990-2023. A Non-linear Autor regressive distributed lag approach has been employed in this study to find the results. The study results concluded that human capital, employed labor force, foreign direct investment (FDI), the polity index, and public expenditure all have a positive and significant impact on the economic growth of a developing economy. The empirical findings suggest that government and private sector should take proactive measures to enhance the quality of the workforce. Improving workforce capabilities will increase earning potential both domestically and internationally, subsequently boosting remittances that contribute significantly to the country's economic growth. Finally, the analysis reveals a positive impact of the polity index on economic growth, indicating that democratic forms of government are more conducive to growth than autocratic regimes. Therefore, promoting democracy over autocracy is essential for fostering sustainable economic development in the country.

Keywords:

Human Capital, Polity index, Foreign Direct Investment, Government Expenditure.

AI-Powered Digital Sign Language Translator: Bridging Communication Gaps for the Dea Community

Shraddha Mankar

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Shourya S. Desai

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Pavan B. Deshmukh

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Prasad G. Desai

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Samruddhi S. Desai

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Prajwal U. Desai

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Shreyash S. Desai

Department of Engineering, Sciences and Humanities (DESH), Vishwakarma Institute of Technology, Pune, Maharashtra, India

Abstract:

The limited sign language literacy of the general public creates huge barriers to communication for the Deaf community. Traditional solutions, like human interpreters, are very costly and not available in real time. This research work proposes an AI-powered digital sign language translator that could translate hand gestures into text and speech in real time. A computer vision approach using MediaPipe has been employed for detecting hand landmarks, followed by Random Forest classification, which supports both ASL and ISL. Different from the computationally intensive deep learning methods, this system used structured landmark data to perform fast, light, and accurate recognition. A web-based interface has been developed using Flask, which performs the tasks of real-time interaction, sentence construction, and multilingual text-to-speech through pyttsx3 and gTTS. Classification accuracies of 98.78% for ASL, 99.92% for one-hand ISL data, and 98.85% for two-hand ISL data have been reported

with 30 FPS and less than 50 ms inference time. This is indeed a very practical solution to one of the most critical needs for accessibility in education, healthcare, and public services.

Keywords:

Sustainable Development in the Context of Society Education and Culture

Dr. Shreya Mitra

Associate Professor, Department of Philosophy, Behala College, Kolkata, West Bengal, India

Abstract:

Introduction: In the context of society, education and culture, sustainable development refers to development that meets the needs of the present without compromising the ability of future generations to meet their own needs (Brundtland Commission Report, 1987). This is achieved by the integration of social, environmental and economic aspects to create an equitable yet sustainable future.

Education promotes this by fostering sustainability literacy, influencing sustainability behaviour to support a workforce capable of addressing challenges. Culture shapes values, attitudes and behaviour that can either promote or hinder sustainable development.

Principles of Sustainable Development: All Sustainability Development programs encompass three spheres of sustainability- environment, society and economy, with an underlying plethora of cultured diversities that adopts many forms throughout the world. A prosperous society relies on a healthy environment to provide food and resources, safe drinking water and clean air for its citizens.

The earlier sustainability paradigm, where economic development had its own damaging social and environmental consequences that had been considered inevitable, have been shunned altogether. We now realize that major damages or serious threats to the well being of humans and environment in pursuit of economic development have no place within the sustainability paradigm. These have been summarized in the 27 principles of the Rio Declaration. Some of them are

- People are entitled to a healthy and productive life, in synergy with nature.
- The right to development must be fulfilled to meet the developmental and environmental needs of present and future generations in an equitable way.
- Eradicating poverty and reducing disparities in living standards are essential to sustainable development.
- Environmental protection is an integral part of the development process.
- International actions in the field of environment and development should also address the needs and interests of all countries.
- Countries must reduce/eliminate unsustainable patterns of production and consumption and promote appropriate demographic policies
- Full participation of women is mandatory to achieve sustainable development.

- Warfare is inherently destructive to sustainable development. Peace, development and environmental protection are interdependent and indivisible.

The relationship between education and sustainability

- Education encourages sustainability literacy- students thus educated are provided with resources to tackle difficulties and deal with them effectively.
- Sustainable behaviour is encouraged by education by moulding views and beliefs of individuals, assisting them in understanding how their actions influence the environment, society and economy. [e.g., climate change, biodiversity loss, resource overuse].
- Education promotes sustainable development in areas like sustainable agriculture, green technology (EV) and renewable energy (solar cells, windmills).
- Education promotes empowerment of individuals through knowledge, skills and values.
- Education enables people in informed decision making.

Education for sustainable development focuses more on practical application and action-oriented learning [Vocational Skill Development Programs, as they are called] that fosters responsibility and a holistic understanding of sustainability.

The relationship between Culture and Sustainability

- Culture fosters social cohesion, peace building and understanding between different population-groups.
- Culture shapes values and attitudes towards environment, consumption and social justice-influencing behaviour and promoting sustainable practices. The transformative power of culture for social inclusion, resilience and sustainable development is increasingly recognized as a key enabler for sustainable development [2030 Agenda For Sustainable Development, UNESCO]
- Community Engagement and participation plays a vital role in sustainable development initiatives.

Integrating Society, Education and Culture for achieving Sustainable Development

- Education is a powerful tool for social change by integrating sustainable development principles into curricula and educational practices. Culture, in this context, is a cross-cutting dimension in development policies, promoting inclusive and people-centric approaches.
- Local context: Cultural practices are often rooted in specific contexts, making them valuable for developing place-based solutions in sustainable development. By fostering values, traditions and practices that promote social equity, biodiversity preservation and economic well-being, culture provides a strong foundation for sustainable development.
- Integrating the above factors promote interdisciplinary learning and encourage collaboration between schools, local communities and other stakeholders to promote sustainable development.

The obstacles to the proper implementation of Sustainable Development Goals

- The National Education Policy 2020, while recognizing the sustainability principles, have

acknowledged the importance of integrating sustainability principles into education at all levels-however, many educators lack the knowledge and ability needed to effectively teach about Sustainable Development.

- Socio-economic disparity may pose a serious challenge in providing high quality education and resources in underprivileged sectors.

- Conventional disciplines like pure science, language and commerce, have minimal focus on sustainable growth.

- People in established educational institutions, e.g. parents, teachers and legislators, are wary of introducing novel ideas within the academic curriculum.

The "Take-Home" messages for successful implementation of Sustainable Development

- Strengthen public awareness- Public awareness initiatives aid in bringing attention to the concept of Sustainable Development and generate a need for education for sustainable growth. Educational institutions are crucial in educating the local population to change the manner how they behave in society through study, instructions creation and facilitation of novel ideas by creating students' awareness. This also promotes empowerment of the people through informed decision-making.

- Promote teacher training programs- Teachers are essential in advancing sustainable progress in education. It is critical to give them the necessary instructions by incorporation of sustainable Development goals in teaching modules- thereby developing the abilities to successfully implement a Sustainable Development program.

- Incorporate Sustainable Development education in the curriculum— As an adherent to the 2030 Agenda For Sustainable Development, India is obligated to implement the 17 Sustainable Development Goals under its vision 2030 plan. NITI AAYOG maintains the Sustainable Development Goals Index and is expected to collaborate with all states (including North-East states that ranks first) to bolster their commitment to the Sustainable Development Goals.

- Supporting the infrastructure—Enough facilities such as classrooms, libraries and laboratories, computers, laptops, projectors, smart boards and other audio-visual aids to assist in Sustainable development, must be available.

- Effective Fund Management—To ensure smooth running of pilot programs, as well as sponsorship of research-work and innovation, it is critical to allot and allocate appropriate funds to educational projects promoting Sustainable Development.

At the end of this talk let us all pledge to create water bodies filled with migratory birds, and not over populated cities swarming with migrant workers.

Keywords :

Society, Education, Culture, Sustainable Development.

Tourism Businesses Specializing in Sustainable, Healthy and Locally Produced Food in Mexico

Manuel Alejandro Robles Acevedo

Doctorate Professor, Universidad Autonoma Del Estado De Hidalgo, Mexico

Abstract:

The main findings are that, to discuss healthy consumption, it is necessary to develop a checklist of the nutritional quality, not just the hygienic quality, of food, and a portfolio of tools based on social marketing to train those responsible for unhealthy tourist food establishments. It was found that those responsible for these establishments are aware of the operating regulations but do not implement them, that unfair competition exists in the sale of healthy products, and that there are no mechanisms for verifying the nutritional quality of the food offered in these establishments. Those responsible for these establishments are willing to sell healthier food, but they do not believe it will be profitable. Sustainability, social impact, and profits increase when food is prepared with locally sourced ingredients.

Role of Biomedical Engineers in Improving Patient Safety through Medical Device Maintenance in Indian Hospitals

Ananthan Ramanathan

Biomedical Engineering, Staan Bio Med Engineering Private Limited, Ganapathy, Tamil Nadu, India

Abstract:

Biomedical Engineers (BMEs) have emerged as essential strategic contributors in modern hospitals, where medical technology increasingly drives clinical operations. This is particularly critical in India, characterized by rapidly expanding private, government, and corporate hospital sectors that rely on complex life-support systems, imaging devices, lab automation, and critical care monitoring.

Understanding Flexibility in Hybrid Work on Working Mothers in Singapore

Lina Chen

Researcher, University of Canberra, Australia

Somayeh Bahmannia

University of Canberra, Australia

Abstract:

The phenomenon of a working mother is common nowadays. Hybrid work, which currently seems to be the future of work, has been gaining traction globally ever since the outbreak of the COVID-19 pandemic in 2019. It has since remained prevalent in the post-pandemic world. Working mothers with young children who perform hybrid work seem to be having their personal lives and work inescapably intertwined, by constantly grappling with concurrent role demands – as an employee and as a mother – so long the society adopts a very conventional view of them. As empirical literature neither addresses the experiences of these individuals nor the impact of hybrid work on them, this research project aims to find out how working mothers in Singapore perceive and contextualise their experiences and identify this impact. Through a qualitative methodology of unstructured interviews and thematic analysis, the findings indicate how 25 working mothers in Singapore have perceived and contextualised their experiences of hybrid work. This depends on the hybrid work setting and includes access to infrastructure, flexibility, their general health and well-being and the degree of trust, support and empathy from their managers.