MAEEUS
by IFERP
26-27 November 2026 | Singapore

MAEEUS-2026

Multidisciplinary Approaches to Education & Urban Sustainability

26th & 27th November, 2026 Singapore

Theme:

"Bridging Disciplines for Resilient Urban Sustainability"

Organized by: IFERP Academy

IFERP Academy
Explore Your Research Journey...

Academic Partner

SIGNUM MAGNUM college

Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, India
Signum Magnum College, Malta

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IFERP Academy

Multidisciplinary Approaches to Education & Urban Sustainability (MAEEUS-2026), Singapore

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"CONFERENCE THEME"

Bridging Disciplines for Resilient Urban Sustainability

Preface

We are delighted to extend a warm welcome to all participants attending Multidisciplinary Approaches to Education & Urban Sustainability (MAEEUS-2026), taking place in Singapore on 26th - 27th November, 2026. 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 Multidisciplinary Approaches to Education & Urban Sustainability. It offers delegates an opportunity to exchange new ideas and experiences, establish business or research relationships, and explore global collaborations.

The proceedings for MAEEUS-2026 contain the most up-to-date, comprehensive, and globally relevant knowledge in the field of Multidisciplinary Approaches to Education & Urban Sustainability. 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 Multidisciplinary Approaches to Education & Urban Sustainability 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 MAEEUS-2026.

Since September 2026, the Organizing Committees have received more than 100+ manuscript papers, covering all aspects of Multidisciplinary Approaches to Education & Urban Sustainability. After review, approximately 20 papers were selected for inclusion in the proceedings of MAEEUS-2026. 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.

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About MAEEUS-2026

We are delighted to welcome you to the *Multidisciplinary Approaches to Education & Urban Sustainability Conference.*

Set in the vibrant city of Singapore, MAEEUS 2026 brings together global thinkers, educators, planners, and innovators.

This year's theme, "Bridging Disciplines for Resilient Urban Sustainability" redefines how cities educate, inspire, and evolve. Discover bold ideas at the intersection of education, sustainability, and urban development. Engage in meaningful dialogue that bridges disciplines and transforms knowledge into action. Join us in shaping smarter, inclusive, and sustainable learning cities for the future.

Bridging Disciplines for Resilient Urban Sustainability

Why this theme?

Cities are evolving into dynamic learning ecosystems, where education, innovation, and sustainability intersect. MAEEUS 2026 explores how urban environments shape learning, knowledge exchange, and future-ready communities.

This Theme Emphasizes:

- **Transformative Education**
  Integrating cutting-edge pedagogy into urban learning spaces
- **Smart & Sustainable Cities**
  Linking educational practices with green and resilient urban development.
- **Collaborative Innovation**
  Bridging researchers, educators, and urban planners to reimagine city classrooms.
- **Future-Ready Communities**
  Empowering learners to thrive in rapidly evolving metropolitan landscapes.

MAEEUS 2026 is your platform to explore, collaborate, and innovate at the intersection of education and urban sustainability.

Objectives of MAEEUS-2026

- To create a global platform for educators, urban planners, researchers, and policymakers to exchange transformative ideas.
- To explore practical, interdisciplinary solutions for sustainable urban learning environments.
- To encourage collaboration that translates research and dialogue into real-world impact and long-term urban progress.

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Purpose of MAEEUS-2026

- MAEEUS 2026 is designed to ignite meaningful conversations at the crossroads of education and urban sustainability.
- It highlights how cities can evolve into dynamic learning ecosystems that nurture innovation, inclusion, and resilience.
- By bringing diverse disciplines together, the conference reimagines education as a driving force in shaping future-ready cities.

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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 countries such as Iraq, Malaysia, Australia, and more. They have incorporated networking, research support, publications, and 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 through 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.

Value

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

Goal

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

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Welcome Message

Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, India



Dr. S. Saraswathi

Head, School of Management Studies Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, Telangana, India

It gives me immense pleasure to extend a warm and gracious welcome to all eminent academicians, distinguished researchers, industry experts, invited speakers, and delegates participating in "Multidisciplinary Approaches to Education & Urban Sustainability (MAEEUS), Themed: Bridging Disciplines for Resilient Urban Sustainability"

I am delighted that Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, has joined hands with the Institute for Educational Research and Publication (IFERP) in organizing MAEEUS-2026. This association reflects our shared commitment to promoting interdisciplinary research, fostering academic excellence, and creating meaningful opportunities for knowledge exchange among scholars, academicians, and industry professionals. We deeply value this collaborative initiative and look forward to making the conference a vibrant platform for intellectual engagement, research advancement, and impactful academic partnerships.

The conference serves as a significant academic platform for exchanging innovative ideas, exploring emerging perspectives, and fostering meaningful dialogue across diverse disciplines. In an era characterized by rapid technological advancements and profound societal changes, the integration of engineering, education, social sciences, and humanities has become increasingly essential in addressing contemporary challenges and creating sustainable pathways for inclusive development.

I firmly believe that knowledge gains its true significance when it translates into positive societal impact. The convergence of technological innovation, educational excellence, interdisciplinary research, and human values can serve as a powerful catalyst for building a progressive, equitable, and sustainable future. Through this conference, we aspire to encourage intellectual engagement, strengthen academic and industry partnerships, and inspire research-driven solutions that address the evolving needs of society.

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I am confident that the deliberations, scholarly contributions, and professional interactions during MAEEUS-2026 will open new avenues for collaborative research, enrich academic discourse, and generate valuable insights with far-reaching implications for education and societal advancement.

I sincerely appreciate the support and cooperation of IFERP, the dedicated efforts of the organizing committee, and the valuable contributions of all speakers, authors, reviewers, and participants in making this academic endeavour possible.

Once again, I extend my best wishes to all the delegates and participants. May this conference be an intellectually stimulating, professionally rewarding, and memorable experience for everyone.

I wish MAEEUS-2026 remarkable success and look forward to impactful deliberations and fruitful collaborations.

Thank you

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Welcome Message
Signum Magnum College, Malta



Dr. Aleksandar Novakovic

Head of Institution
Signum Magnum College, Malta

Signum Magnum College is delighted to support MAEEUS 2026 and to collaborate with IFERP in creating opportunities for international academic exchange and research engagement. We believe that meaningful progress towards sustainable and resilient societies requires dialogue across disciplines, institutions, and borders. We are therefore pleased to be part of this international initiative and wish all participating scholars, researchers, students, and partners an inspiring and successful conference.

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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 Multidisciplinary Approaches to Education & Urban Sustainability (MAEEUS-2026), 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 Multidisciplinary Approaches to Education & Urban Sustainability.

This conference creates solutions in different ways and to share innovative ideas in the field of Multidisciplinary Approaches to Education & Urban Sustainability. MAEEUS-2026 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.

Multidisciplinary Approaches to Education & Urban Sustainability (MAEEUS-2026) will explore the new horizons of innovations from distinguished Researchers, Scientists and Eminent Authors in academia and industry working for the advancements in Science and Engineering from all over the world. MAEEUS-2026 hopes to set the perfect platform for participants to establish careers as successful and globally renowned specialists in the field of Multidisciplinary Approaches to Education & Urban Sustainability.

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From
Chief Executive, IFERP



Mr. Rudra Bhanu Satpathy

CEO & Founder, IFERP
Technoarete Group

IFERP is hosting the Multidisciplinary Approaches to Education & Urban Sustainability (MAEEUS-2026), this year in month of 26th - 27th November, 2026, Singapore. The main objective of MAEEUS-2026 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.

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From
Invited Keynote Speaker



Dr. Liane Vina G. Ocampo

Research Coordinator & Research Statistician,
Cavite State University – Imus Campus, Philippines

Dr. Liane Vina G. Ocampo is a distinguished academic and expert in Economics and Business Management. She earned her Bachelor's in Economics from Cavite State University, followed by a Master's in Business Administration from Philippine Christian University. By age 25, she completed her Ph.D. in Business Management, demonstrating exceptional dedication to academic excellence. Dr. Ocampo's research has been widely published in esteemed journals and presented at international conferences. She received Best Paper Awards in Thailand, Indonesia and Philippine Conferences which leads her to served as a reviewer and conference chair in international conferences, including the First International Conference on Humanities for Smart Societies (2023) and the Core Research Foundation (2024). She is also a senior reviewer in an scopus journal and a technical committee member in various conferences held across Asia, contributing as a judge, moderator, and session chair. And as educator, she is continually contribute in fostering research culture by serving as a resource speaker and Trainor in research workshops organized by various universities and organizations in the Philippines and Thailand.

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From
Invited Keynote Speaker



Dr. Xavier Gopi

Professor, Chief Scientist, Center for Technology Advancement and Discovery, Singapore

Prof. Dr. Xavier Gopi is an educator, author and AI practitioner with more than 25 years of experience in education, training and organisational development. His work focuses on helping individuals and organisations embrace change, develop practical skills and navigate an increasingly digital world.

He is the Founder and Chief Scientist of Centre for Technology Advancement and Discovery (CTAD SINGAPORE), where he helps learners explore Artificial Intelligence through practical, guided training. His approach makes emerging technologies accessible, with an emphasis on building confidence and applying learning to real-world tasks.

Prof Xavier is also the CEO of Louis Novaris College of Science and Technology, Singapore. Throughout his career, he has worked across education management, business development and institutional growth, supporting the development of learning programmes and partnerships.

An author with a keen interest in technology and its impact on society, his books include The Looping Effect, The Dragonsense, The Age of Digital Transformation, The AI Genie and The Last Thinker.

He believes that learning is a lifelong journey and that technology is most powerful when it helps people grow, think and create new possibilities.

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From
Invited Keynote Speaker



Dr. Siva Mahendran

Professor, Associate Lecturer, TMC Academy Pte Ltd, Singapore

Prof. Dr Siva Mahendran is a Singapore-based educator, counsellor, researcher and author with more than 35 years of experience in education and counselling. He has taught English for Academic Purposes at tertiary institutions and supervised MBA research.

He established a counselling unit in an educational organisation, trained para-counsellors and facilitated workshops in Singapore and abroad. He has also presented at local and international conferences. His published research explores how counselling can support language learning and academic performance, and he developed Poetic Therapy, which uses poetry to encourage reflection and emotional expression. He has written five books to date on psychosocial and educational issues, including Encounters in Counselling.

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From
Keynote Speaker



Dr. Mosharrof Hosen

Senior Lecturer & Stream Coordinator,
Taylor's University, Malaysia

Dr. Mosharrof Hosen is a Senior Lecturer and Stream Coordinator at Taylor's Business School (AACSB Accredited), Taylor's University (QS Global Rank 253 in 2026 and 36 in the QS Asia University Rankings 2025), Selangor, Malaysia. He is an active researcher, reviewer, and highly engaged in both local and international grants. Dr. Hosen serves as an Editorial Board Member for several prestigious international journals, including Business Strategy and Development (Scopus Q1, WoS-IF4.2) and International Journal of Emerging Markets (Scopus Q2, WoS-IF3.0, ABDC-B, CABS-1). His research interests encompass tourism, hospitality, technology and education, financial econometrics, corporate governance, organizational behavior, Islamic finance, knowledge management, and educational systems. His published work appears in renowned journals such as the International Journal of Hospitality Management (Scopus Q1, WoS-IF8.3, ABDC-A*, CABS-3), Journal of Knowledge Management (Scopus Q1, WoS-IF9.5, ABDC-A, CABS-2), Computers & Education (Scopus Q1, WoS-IF10.5), Resources Policy (Scopus Q1, ABDC-B, CABS-2), The Singapore Economic Review (Scopus Q2, WoS-IF1.2, ABDC-B), Business Strategy and Development (Scopus Q1, WoS-IF4.2), Managerial and Decision Economics (Scopus Q2, WoS-IF2.7, ABDC-B, CABS-2), International Journal of Emerging Markets (Scopus Q2, WoS-IF3.0, ABDC-B, CABS-1), Asia Pacific Management Review (Scopus Q1, WoS-IF5.6, ABDC-C, CABS-1), among others. Dr. Hosen has received several accolades, including: (i) Best Young Researcher Award from FBM (ii) Best Oral Presentation Awards at local and international conferences (iii) Outstanding Reviewer Awards (iv) Best Lecturer Awards (v) Vice-Chancellor Scholarship (vi) Online Quiz Competition Winner (organized by Taylor & Francis Asia Pacific).

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From
Keynote Speaker



Dr. Hardeep Singh

Professor, Amritsar Group of Colleges, India

Hardeep Singh is a distinguished academician, researcher, and corporate trainer with over 20 years of experience in higher education and professional development. Currently serving as Professor at Amritsar Group of Colleges, he specializes in Research & Publication Ethics, Leadership, HRM, Communication Skills, Indian Knowledge Systems (IKS), and Sustainable Development Goals (SDGs). Certified as an IKS Master Trainer by the Ministry of Education and UGC, he actively promotes the integration of India's traditional wisdom into modern education. Dr. Singh has authored over 100 research publications, 6 books, and holds 8 patents. He has delivered keynote talks at several international conferences and received more than 30 national and international awards for excellence in teaching and research. His contributions to student mentoring, research guidance, and holistic education have inspired thousands of learners globally.

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From Keynote Speaker



Dr. Susanti Withaningsih

Senior Lecturer & Researcher, Universitas Padjadjaran, Indonesia

Dr. Susanti Withaningsih is a Senior Lecturer and researcher in the Department of Biology at Padjadjaran University. She holds a doctoral degree and has established a strong research profile in biodiversity conservation, sustainability science, environmental management, landscape ecology, and sustainable development. Her work focuses on ecosystem services, wildlife conservation, agroforestry, carbon sequestration, land-use change, and community-based environmental management. With more than 75 scientific publications and over 500 citations, she has contributed extensively to interdisciplinary research addressing environmental sustainability and conservation challenges in Indonesia. Dr. Withaningsih actively collaborates with national and international researchers, promoting innovative solutions for biodiversity conservation, climate resilience, and sustainable resource management while advancing sustainability science education and research.

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From
Keynote Speaker



Dr. Md Shabbir Alam

Assistant Professor, Department of Economics & Finance, University of Bahrain, Bahrain

Dr. Md Shabbir Alam has over 16 years of teaching, research, and academic experience across Bahrain, Oman, Saudi Arabia, and India. Dr. Alam's research interests include Development Economics, Energy and Environmental Economics, International Economics, Digital Transformation, Sustainability, and Applied Econometrics. Dr. Alam has published more than 100 articles in internationally recognized journals indexed in Scopus and Web of Science and has received over 3,700 citations, with an h-index of 30. He was recognized among the World's Top 2% Scientists in 2024 and 2025. Dr. Alam teaches courses in Economics, Business Statistics, Econometrics, Quantitative Methods, and International Business at both undergraduate and postgraduate levels. He is actively involved in research supervision, curriculum development, academic quality assurance, and scholarly publishing, serving as a reviewer and guest editor for several international journals and edited volumes. Dr. Alam's work focuses on applying quantitative and econometric methods to address contemporary economic, business, sustainability, and policy challenges.

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From
Keynote Speaker



Dr. Adeline Sneha J

Senior Lecturer, School of Computing, Asia Pacific University of Technology and Innovation, Malaysia

Dr. Adeline Sneha J is a Senior Lecturer in the School of Computing, Asia Pacific University of Technology and Innovation (APU), Technology Park Malaysia, Kuala Lumpur, Malaysia. She received her Ph.D from Sathyabama Institute of Science and Technology, Chennai, India. Her research spans several areas of IoT data analytics and machine learning, including Precision agriculture, Signal Processing, Image Processing, Data Science and Control Engineering. She started her teaching career in 2011 and since then, she has produced many highly qualified data scientists and engineers who have gone on to work for prestigious organizations like IBM, Amazon Web Services and Google. She is also a Life member of the International Society of Research and Development. She has delivered several invited or plenary lectures at conferences throughout the world. She has published more than 30 papers in various National/International Journals. She has received several important recognitions for her research career. She has also been awarded "Dr. APJ Abdul Kalam Award for Innovative Research" awarded by Society for Engineering Education Enrichment (SEEE), 2021. She received "Women Leadership Award 2022" from GlantorX.

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From Keynote Speaker



Dr. Ir. Arwin Datumaya Wahyudi Sumari,S.T., M.T., IPU, ASEAN Eng., ACPE, APEC Eng., GCMC

AFM, Assistant Professor, Special Staff to the Chief of Staff of the Indonesian Air Force, Indonesian Air Force Headquarters, Indonesia

Air First Marshal of the Indonesian Armed Forces Asst. Prof. Dr. Ir. ARWIN DATUMAYA WAHYUDI SUMARI, S.T., M.T., IPU, ASEAN Eng., ACPE., APEC Eng., FSI, FSME, VDBM, SA, S.R. Eng., GCMC is a high-ranking Air Force Officer, engineer, professional, practitioner, and academic who has extensive experience in the fields of Artificial Intelligence, Cyber-Physical Systems, Multi-Agent Systems, Avionics Systems, and Defense Technology. He won the Adi Makayasa award as the Best Graduate of the 1991 Air Force Academy, High-Achieving Indonesian Air Force Officer (1996), and a hat trick of Cum Laude predicates for the Bachelor (1996), Master (2008), and Doctoral (2010) programs in Electrical Engineering and Informatics from the Bandung Institute of Technology, as well as an international certification holder in the fields of Electrical Engineering, Flight Simulator, and Radar. Participate in the preparation of state strategic documents in the field of Defense and Military, as well as the field of Artificial Intelligence. He is the Rector of the Adisutjipto Institute of Aerospace Technology 2022-2024, an alumnus of George Washington University (2014), Naval Postgraduate School (2014), and George C. Marshall European Center for Security Studies (2025), and has published more than 500 articles, has 8 national patents granted, and more than 75 copyrights related to Artificial Intelligence and cybersecurity. Besides being a leading keynote speaker at various government and non-government events and a professional lecturer at public and private universities, he is also an advisor/expert in Artificial Intelligence and Cybersecurity in the international defense industry, international organizations, and communities. He is the Co-Founder of the Indonesia Artificial Intelligence Society (IAIS), a Senior Technical Advisor at the Indonesia Cyber Security Forum (ICSF), and a Senior Advisor at HackPoint. He was Co-Chair of the Working Group for Economic Growth and Social Impact at the 2026 India Artificial Intelligence Impact Summit. He currently serves as Special Staff to the Chief of Staff of the Indonesian Air Force and Director of the Cognitive Artificial Intelligence Research Group (CAIRG).

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From Session Speaker



Dr. Froilan Mobo

Professor II, Philippine Merchant Marine Academy, Philippines

Dr. Froilan D. Mobo, DPA, PhD, MBA, MSCS, DSSE, LPT, CRP, is a distinguished academic, researcher, educator, and international speaker from the Philippines. He currently serves as Professor II at the Philippine Merchant Marine Academy and holds faculty positions at President Ramon Magsaysay State University and Columban College Graduate School. He is also the Editor-in-Chief of the International Journal of Multidisciplinary: Applied Business and Education Research and Managing Director of FSH-PH Publications. Dr. Mobo earned a Doctor of Philosophy in Development Education and a Doctor in Public Administration, complemented by advanced degrees in Business Administration, Computer Science, and Social Studies Education. His expertise spans Social Sciences, Information Technology, Educational Technology, and Research Methodology. An accomplished scholar, Dr. Mobo has authored more than 100 research publications indexed in various international databases, published 13 books and book chapters, and received numerous national and international awards for excellence in research, education, and leadership. He has been an invited speaker at conferences, seminars, and academic forums across Asia, Europe, the Middle East, and North America, sharing his insights on educational technology, research culture, social sciences, and innovation. Through his extensive academic contributions and global engagements, Dr. Mobo continues to promote excellence in research, education, and sustainable development initiatives worldwide.

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From
Session Speaker



Dr. Aarti Chugh

Associate Professor, School of CSE,
IILM University, India

Dr. Aarti Chugh, Associate Professor, School of Computer Science and Engineering, IILM University, Gurugram is an accomplished academic with over 23+ years of teaching and research experience. Her research interests include Big Data, Artificial Intelligence and Image Processing, where she has made significant contributions through scholarly work and practical applications. Known for her student-centric teaching methodology, Dr. Chugh emphasizes practical learning, critical thinking, and real-world problem-solving. She is presently guiding three PhD scholars and has mentored numerous M.Tech theses, guiding graduate students in exploring cutting-edge topics to produce high-quality research recognized in prestigious journals and conferences. With over 50+ publications in international journals and conferences indexed in SCI and Scopus, her work is globally acknowledged for its impact and innovation. Additionally, she has authored and edited four books and serves as a reviewer and editorial board member for several reputed journals. She has been a speaker in many FDPs. Her dedication has established her as a respected figure in the global research community.

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From Session Speaker



Dr. Ahmad Adeel

Associate Professor of Research, INTI International University, Malaysia

Dr. Ahmad Adeel is an academic, researcher, and management scholar currently serving as Associate Professor of Research at INTI International University, Malaysia. He holds a PhD in Management from Huazhong University of Science and Technology, China, and completed his post-doctoral fellowship at the School of Management, Universiti Sains Malaysia. His academic career spans teaching, research supervision, departmental leadership, curriculum development, and institutional service across universities in Malaysia and Pakistan. Dr. Adeel's research interests include organizational behavior, creativity and innovation, leadership, workplace relationships, conflict management, employee voice, and knowledge sharing. He has published extensively in Scopus- and Web of Science-indexed journals, including Q1 and SSCI-ranked outlets. In addition to his academic work, he has served as principal investigator and field coordinator on funded research projects and has contributed as a reviewer, guest editor, conference chair, mentor, and university committee member. Before entering academia, he held several managerial and operational roles in the banking sector, which enriches his teaching and research with practical industry insight.

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From
Session Speaker



Dr. Aruditya Jasrotia

Amity Institute of Travel & Tourism, Amity University, Uttar Pradesh, India

Dr. Aruditya Jasrotia is working as an Assistant Professor in Amity Institute of Travel and Tourism, Amity University Uttar Pradesh. He completed his Ph.D. and M. Phil. from Central University of Jammu. He has published 48 Scopus Publications, 2 Patent and 60 Publications in total including research papers and book chapters. His broad research areas of interest are: Smart Tourism, Tourism Marketing, Sustainable Tourism, Tourism Policy and Planning, Tourism Products and Services. He is also listed as a reviewer for various Scopus-indexed and ABDC-listed international journals, such as International Journal of Tourism Cities, Journal of Hospitality, Leisure, Sport & Tourism Education, International Journal of Tourism Policy, and Kybernets—Associate Editor of ESTEEM Journal of Social Science and Humanities.

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From
Conference Convenor



Dr. G. P. Ramesh

Professor, Conference Convenor, India

Dr. G. P. Ramesh is a distinguished academician, visionary technologist and ambitious researcher with over 26 years of multifaceted experience spanning higher education, advanced research and industry leadership. His career reflects a seamless integration of academic excellence and technological innovation, positioning him as a transformative force in engineering education and applied research.

A dynamic leader and passionate educator, he has served as Professor and Head of Electronics and Communication Engineering at prestigious institutions across India and abroad. He has mentored undergraduate, postgraduate and doctoral scholars, successfully guiding Twenty-Two Ph.D. candidates and nurturing a culture of inquiry and excellence.

His academic expertise encompasses artificial intelligence, machine learning, embedded systems, VLSI design and antenna technologies. With more than 125 publications in Scopus-indexed journals, his scholarly influence is evidenced by an H-index of 32 and an i10-index of 70, marking him as a prominent contributor to global research discourse.

He has also organized Twelve International and Six National conferences, publishing proceedings with Springer and ensuring global visibility through Scopus and Web of Science. A pioneer in Outcome-Based Education and a strategic advisor for NAAC, NBA and Autonomous frameworks, Dr. G. P. Ramesh continues to shape future-ready engineers and scalable, tech-driven solutions for India and beyond.

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About Committee Members

Organizing Committee

Dr. Teik-Cheng Lim
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Associate Professor, Signum Magnum College, Malta

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When the Monsoon Interrupts Tradition: Climate Vulnerability and Performance Sustainability of Purulia Chhau

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Abstract:

Intangible cultural heritage represents community identity, collective memory, traditional knowledge, and cultural continuity. Environmental uncertainties, seasonal weather patterns, and the vulnerability of community-based cultural livelihoods increasingly affect the sustainability of traditional performing arts. Purulia Chhau, a martial folk dance from West Bengal, India, relies on open-air venues, intricate handmade paper-mâché masks, and seasonal festive schedules. Changing climate patterns and intensified monsoon precipitation now present significant threats to this heritage. As a traditional masked dance from the Purulia district, Purulia Chhau offers a critical context for examining the relationship between monsoon conditions, performance continuity, and cultural sustainability. Its dependence on outdoor performances, elaborate costumes and masks, physical exertion, travel, and community events exposes performers and artisans to rainfall-related disruptions. Adverse monsoon conditions may lead to programme cancellations or postponements, reduced audience attendance, damage to performance materials, increased logistical costs, and irregular income for artists and supporting communities.

This paper provides an interdisciplinary analysis of monsoon-related climate vulnerability and performance sustainability in Purulia Chhau, drawing on climate studies, intangible cultural heritage safeguarding, performing arts management, and sustainable cultural tourism. The study examines climate vulnerability through the interplay of climatic exposure, the sensitivity of performance systems, and the adaptive capacity of performers, organizers, artisans, and supporting institutions. The analysis explores how weather-related disruptions affect artists' livelihoods, cultural participation, intergenerational transmission, and the continuity of traditional performance practices. Potential adaptation measures include weather-informed scheduling, access to covered venues, emergency support mechanisms, digital documentation, diversified performance opportunities, and community-driven climate adaptation planning.

The study examines the climate vulnerability of the Purulia Chhau performance ecology and evaluates strategies for its long-term sustainability. Using a mixed-methods approach that integrates field interviews with Chhau performers and mask makers (Sutradhars), analysis of local weather data, and qualitative risk assessment, the research assesses how unseasonal rainfall and extreme weather disrupt rehearsals, damage delicate props, and threaten artists' livelihoods. By incorporating local rainfall and weather records, semi-structured interviews with Chhau performers and mask-makers, discussions with event organizers and tourism stakeholders, and documentation of performance schedules and weather-related disruptions, the mixed-methods approach distinguishes between established seasonal challenges and long-term climate trends. Safeguarding living heritage requires not only preserving artistic forms but also strengthening the environmental, economic, and institutional conditions that enable practitioners to sustain their cultural traditions. By linking climate resilience with cultural continuity and responsible tourism, this study contributes to an integrated framework for sustaining Purulia Chhau amid increasing environmental uncertainty. uncertainty.

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The findings indicate that increased humidity and erratic monsoons severely disrupt mask-making production cycles and damage open-air performance spaces, resulting in significant seasonal income loss for rural artisan communities. To address these challenges, the study proposes an adaptive sustainability framework that integrates community-led climate resilience, climate-resilient material innovations for mask preservation, and policy-supported cultural safeguards. By highlighting the intersection of environmental disruption and cultural heritage, this research offers actionable insights to safeguard traditional performing arts in climate-vulnerable regions.

Keywords:

Purulia Chhau, Climate Vulnerability, Performance Ecology, Intangible Cultural Heritage, Cultural Sustainability, Livelihood Security, Artisan Resilience.

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Student Affairs and Services: Enhancing Academic and Personal Development in Higher Education Institution

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Abstract:

Higher education institutions (HEI's) have long recognized the importance of providing a comprehensive support system to students beyond academic instruction. Student Affairs Services (SAS) play a crucial role in shaping the overall college experience by offering programs that enhance both academic success and personal development. These services, including counseling, career services, extracurricular activities, and leadership development, contribute to students' holistic growth, equipping them with skills essential for their academic achievements and future career success. Student Affairs and Services (SAS) plays a critical role in fostering a safe and supportive environment for students within educational institutions. The study examined the ways SAS contributes to students' academic performance, mental well-being, social skills, and overall development. The findings had provided valuable insights into how these services can be optimized to better support students in higher education institutions. Bohol Institute of Technology - International College (BIT-IC) was founded with the vision of providing quality higher education that responds to the growing needs of both local and international students. Located in the heart of Tagbilaran City, Bohol, BIT-IC has established itself as a reputable institution that aims to offer a holistic educational experience. Its foundation rests on the belief that education should not only be academic but should also address the personal growth and development of its students and the significance of student affairs services in enhancing academic and personal development. Considering this, the study examined the role and effectiveness of the Office of Student Affairs at Bohol Institute of Technology-International College, for the school year 2024-2025. Given the importance of ensuring students' well-being, the research seeks to assess how effectively the OSA addresses student concerns, promotes welfare programs, and upholds school policies. This study used a mixed-method approach, combining both quantitative and qualitative research methods. The participants consist of 282 students selected through random sampling, aimed to examine the overall effectiveness of SAS programs at BIT-IC. This involves working with the Student Affairs office to identify college students who are known to participate in these programs, such as those who have attended workshops, participated in leadership training, or used counseling services and from various academic programs or year levels) to ensure diversity within the purposive sample. Data will be gathered through a survey questionnaire, focusing on the respondents' demographic profiles and the perceived effectiveness of BIT-IC OSA services and interventions. Statistical tools, including frequency and percentage distribution, weighted mean, and Pearson R for correlation analysis, will be used to interpret the data. Ethical considerations were rigorously followed, ensuring confidentiality and respect for participants. The findings shed light on the current state of OSA operations, revealing potential areas for improvement and recommendations for enhancing student support mechanisms.

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Bridging Consumer Perception and Advocacy Marketing: An Empirical Analysis of Marillac Hills Social Enterprise Products

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Abstract:

One problem social institutions face is a lack of self-sufficiency and the need to explore strategies that increase public awareness and strengthen consumer support without relying solely on government-led initiatives. Many businesses have adopted advocacy marketing to strengthen consumer relationships and encourage public support. Despite this, its application in social service institutions remains limited. Marillac Hills, also known as the National Training School for Girls (NTSG), is a residential care facility managed by the Department of Social Welfare and Development (DSWD) that provides educational and livelihood programs, such as producing and selling products, for girls in need of protection. This study examines the relationship between consumer perception and advocacy marketing in relation to Marillac Hills and its products. The researchers have also proposed rebranded designs for the organization's banana loaf and carrot cake. The researchers sent an online Google Forms survey to 100 Grade 11 students from De La Salle Santiago Zobel (DLSZ) to gather their insights on Marillac Hills' current packaging designs and the researchers' proposed rebranded designs. The survey measures advocacy marketing through willingness to recommend products, positive word of mouth, likelihood of supporting the organization, online advocacy, and influence of recommendations. Consumer perception is measured through the visual appeal of the packaging and logo, brand awareness, brand image, and willingness to purchase. The collected data will be analyzed using descriptive statistics, Pearson Correlation Coefficient ®, and the Net Promoter Score (NPS). This will determine whether the proposed rebranding strategy generates more favorable consumer perceptions than Marillac Hills' current branding. The findings will provide deeper insights on how advocacy marketing may be applied within Marillac Hills and similar institutions. This may provide a basis for developing effective marketing and rebranding strategies that strengthen public awareness, advocacy, and support for Marillac Hills.

Keywords:

Advocacy marketing, consumer perception, marillac hills, brand awareness, net promoter score, willingness to purchase.

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Development of Active Methyl Hydroxyethyl Cellulose (MHEC) Films with Basil (*Ocimum Basilicum*) and Oregano (*Origanum Vulgare*) Essential Oils for Potential use in Food Packaging

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Abstract:

The growing demand for sustainable food packaging has encouraged the development of cellulose-based films containing plant-derived compounds. This study developed methyl hydroxyethyl cellulose (MHEC) films incorporating basil (Ocimum basilicum) and oregano (Origanum vulgare) essential oils and evaluated their physicochemical, optical, mechanical, barrier, and morphological properties. Seven formulations were produced by solvent casting: an oil-free control and six treatments containing the oils individually or in combination. Film-forming dispersions containing 2% (w/w) MHEC, glycerol, and Tween 80 were homogenized, ultrasonicated, cast, dried, and conditioned at 56% relative humidity. Water absorption, moisture content, water vapor permeability, thickness, UV-visible transmittance, color, gloss, tensile properties, and surface morphology were assessed. Data were analyzed using analysis of variance and Fisher's least significant difference test ($p < 0.05$). Essential-oil incorporation significantly altered film properties and reduced ultraviolet transmittance. The combined-oil formulation MH-BO-Ol1 showed the most favorable overall performance, with a moisture content of 0.105 ± 0.009 g/g and water vapor permeability of 2.50 ± 0.08 g•mm•kPa⁻¹•h⁻¹•m⁻², approximately 40.5% below the control. It also exhibited a gloss of 25.71 GU, thickness of 0.088 ± 0.018 mm, tensile strength of 10.8 ± 0.4 MPa, elongation at break of 49 ± 2%, and elastic modulus of 245 ± 10 MPa. These findings identify MH-BO-Ol1 as a promising formulation for further investigation into sustainable food-packaging applications.

Keywords:

Methyl hydroxyethyl cellulose, active films, essential oils, barrier properties, sustainable packaging.

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Transforming Higher Education for Sustainable Digital Talent Development: Stakeholder Requirements and Ecosystem Gaps from Indonesia

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Abstract:

Higher education institutions play a critical role in developing future-ready talent capable of supporting sustainable economic and societal transformation. However, persistent misalignment among educational systems, industry needs, innovation ecosystems, and public policy continues to hinder the development of digital competencies required in an increasingly complex and sustainability-driven digital economy. This study explores stakeholder requirements and ecosystem gaps for sustainable digital talent development in Indonesia through an exploratory multi-source approach informed by the principles of Entrepreneurial University and Quadruple Helix collaboration.

Data were collected through semi-structured interviews with representatives from four higher education institutions, comparative analysis of two digital talent development programs, and supporting evidence from a previously validated Digital Talent Accelerator initiative. The findings identify six key requirements: industry-relevant competencies, experiential learning, emerging technology capability, entrepreneurial mindset, multi-stakeholder collaboration, and lifelong learning adaptability. The study further reveals six ecosystem gaps related to skills alignment, learning access, innovation support, technology readiness, collaboration mechanisms, and continuous capability development.

The findings are synthesized into three strategic transformation priorities: capability alignment, learning architecture, and ecosystem orchestration. Beyond identifying ecosystem gaps, the study emphasizes the importance of strengthening collaboration among universities, industry, government, and society to create sustainable pathways for talent development and innovation. Such collaboration enables higher education institutions to function more effectively as Entrepreneurial Universities that contribute to long-term societal value creation. This study contributes an ecosystem-based perspective for advancing Entrepreneurial University transformation and strengthening sustainable human capital development to support long-term sustainable development and societal resilience.

Keywords:

Sustainable Education, Entrepreneurial University, Digital Talent Development, Human Capital Sustainability, Higher Education Transformation.

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Exploring Early Childhood Teachers' Perceptions of Play-Based Learning and Its Impact on Children's Development

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Abstract:

Play-based learning is widely recognised as a developmentally appropriate pedagogy through which young children explore ideas, negotiate relationships, regulate emotions, communicate meaning, and develop physical competence. Its effectiveness in preschool settings, however, is shaped by teachers' beliefs about the educational value of play and by their confidence in balancing child agency with intentional curricular guidance. This study examined Malaysian early childhood teachers' perceptions of play-based learning and the association between those perceptions and teacher-reported developmental outcomes for children. A quantitative cross-sectional survey design was employed. The sample comprised 210 teachers working in preschool institutions in Malaysia. Data were collected through a structured 25-item questionnaire using a five-point Likert scale. The instrument addressed teachers' perceptions of play-based learning and its perceived contribution to children's cognitive, social, emotional, and physical development. The instrument demonstrated high internal consistency (Cronbach's $\alpha = .91$). Data were analysed using descriptive statistics, Pearson correlation, and regression analysis in SPSS. Teachers reported strongly positive perceptions of play-based learning ($M = 4.18$, $SD = 0.54$). Correlational analysis indicated a significant positive relationship between teachers' perceptions and perceived developmental outcomes. Regression analysis showed that teachers' perceptions significantly predicted teacher-reported developmental outcomes ($\alpha = .63$, $p < .001$), with the model explaining 42% of the variance ($R^2 = .42$). The findings suggest that teachers who place greater educational value on play are more likely to recognise and support practices associated with children's holistic development. Because the study used cross-sectional self-report data, the findings indicate statistical association rather than causal impact or directly measured developmental change. The study highlights the importance of sustained professional learning, supportive leadership, adequate resources, and assessment practices that make learning through play visible without reducing play to narrowly prescribed tasks.

Keywords:

Play-based learning, early childhood education, teachers' perceptions, child development, preschool pedagogy, Malaysia.

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