

**12<sup>th</sup> International Conference on  
 Technology, Pedagogy and Society:  
 Critical Appreciation of the Present and Prospects for the Future**  
 November 29-December 1, 2023

DOWNLOAD THE  
 ABSTRACT BOOK



**CONFERENCE PROGRAMME**

**PRE-CONFERENCE WORKSHOPS | WEDNESDAY, NOVEMBER 29, 2023 | AKU-IED, KARIMABAD CAMPUS**

**CONFERENCE REGISTRATION | 08:30 – 09:00 AM | AKU-IED MAIN ENTRANCE**

**PRE-CONFERENCE WORKSHOP SLOT 1 | 9:00 – 11:00 AM PKT**

<b>Teaching through the Screen: Humanising Digital Pedagogy</b>	<b>Social Presence in Online Learning</b>	<b>Developing Young Scientists: Integrating STEAM in Early Childhood Education</b>	<b>Tech-Powered Libraries: Empowering Education with Open-Access Resources</b>
Sean Michael Morris	Azra Naseem, Abeer Hammadi, and Kevin Pitts	Nasima Shakeel, Shairose Jessani, Munira Amirali, and Yasmeen Mehboob	Furrukh Hussain Zai, Nida Farooq, and Ali Shan
Virtual	Virtual	F2F   Room # 5	F2F   Library

**TEA BREAK | 11:00 – 11:30 AM**

**PRE-CONFERENCE WORKSHOP SLOT 2 | 11:30 – 1:30 PM**

<b>Synergizing AI and Authentic Assessment: Design Strategies Workshop</b>	<b>Generative AI in Teaching and Learning: Prompt Engineering and Towards Digital Equity</b>	<b>Math for All: Fun with Technology</b>
Sadia Fatima, Tasneem Anwar, and Kiran Qasim Ali	Shah Jamal Alam	Munira Amirali and Saima Amir Ali
Virtual	F2F   Room # 5	F2F   Room # 8

**CONFERENCE DAY 1 | THURSDAY, NOVEMBER 30, 2023 | AKU AUDITORIUM, STADIUM ROAD CAMPUS**

**CONFERENCE REGISTRATION | 9:00 – 9:30 AM PKT**

**INAUGURAL CEREMONY**

9:30 – 10:30 am	Tilawat-e-Quran & Translation
	Welcome Remarks by Farid Panjwani, Dean, AKU-IED
	Remarks by Sulaiman Shahabuddin, President, AKU
	Address by Salim Virani, Vice Provost, Research, AKU
	Conference Overview by Conference Chair, Tasneem Anwar, AKU-IED
	Remarks by the Representative, National Bank of Pakistan
	Address by the Chief Guest: Honorable Rana Hussain, Minister for School Education, College Education, and Women Empowerment, Sindh

**TEA BREAK | 10:30 – 11:00 AM**

**KEYNOTE SESSIONS AND PANEL DISCUSSION**

11:00 – 11:45 am	<b>Keynote Session   The Necessity of Hope: Critical Digital Pedagogy Today</b> <b>Sean Micheal Morris</b> , Vice President, Academics, Course Hero   Co-Founder, Digital Pedagogy Lab, USA <i>Chair: Laila Ladak, Assistant Dean, AKU-SONAM</i>
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**DRUM CIRCLE**

12:10 – 12:55 pm	<b>Keynote Session   The Need for Formal Reasoning Education in the Era of AI-assisted Technology and Digital Capitalism</b> <b>Shah Jamal Alam</b> , Associate Professor, Dhanani School of Science & Engineering, Habib University, Karachi Pakistan <i>Chair: Muhammed Tariq, Vice Dean, AKU-MC</i>
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**LUNCH BREAK | 01:00 – 01:45 PM**

1:45 – 2:30 pm	<b>Keynote Session   Delivering Remote Learning Using Low-Tech Solutions</b> <b>Asadul Islam</b> , Director, Centre for Development Economics and Sustainability (CDES) and Professor of Economics, Monash University, Australia <i>Chair: Salma Alam, CEO, Durbeen</i>
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**CULTURAL PERFORMANCE**

2:45 – 3:30 pm	<b>Panel Discussion   Implementing EdTech Reform; Evidence, Policy &amp; Delivery</b> <b>Panelists</b> - Mohyuddin Ahmed Wani, Former Chief Secretary, Government of Gilgit-Baltistan; Zarif-ul-Maani, Elementary & Secondary Education Foundation Government of Khyber Pakhtunkhwa, Sana Khalid, Programme Manager, Sabaq; and Amal Hayat, Specialist, EdTech Hub <b>Moderator</b> – Sam Wilson, EdTech Advisor, Ministry of Federal Education and Professional Training
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**TEA BREAK | 03:30 – 03:50 PM**

**FUN TRIVIA**

4:00 – 5:30 pm	<b>Best Innovation Case Presentation Contest</b> <i>Chair: Athar Osama, Founder and Executive Director, STEMx and World Science Collaborative Ltd</i>
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CONFERENCE DAY 2   FRIDAY, DECEMBER 1, 2023   AKU-IED, KARIMABAD CAMPUS							
CONFERENCE REGISTRATION   9:00 – 9:30 AM   AKU-IED MAIN ENTRANCE							
INNOVATION SHOWCASE – OPEN ALL DAY							
CONCURRENT SESSIONS I   9:30 – 10:30 AM							
F2F   Room 03	F2F   Room 05	F2F   Room 08	F2F   Room 09	Virtual   Room 11	F2F   Room 12	F2F   Room 13	
Chair and Co-Chair: Melaine D’Cruze and Munira Amirali	Chair and Co-Chair: Tehmina Khalid and Gillian Rodrigues	Chair and Co-Chair: Safia Urooj and Sadia Bhutta	Chair and Co-Chair: Sarwat Nauman and Dilshad Ashraf	Chair: Nimira Asif	Chair and Co-Chair: Anjum Bano Qazmi and Fozia Parveen	Chair and Co-Chair: Khairunnisa Ajani and Nasima Shakeel	
An Educational Intervention to Boost Innovation, Creativity, and Entrepreneurship Using Content and Pedagogy for the COVID and Post-COVID Era Ume-e-Aiman, Hasan Nawaz, Mohsin Memon & Asad Mian	The Reality of Using Virtual Classes at The University of Hama During the Corona Pandemic: From the Student's Point of View Noura Hakmi & Hasan Eskaf	Exploring the Experience of Health Care Professionals Regarding Simulation-Based Training Approach during COVID-19 Pandemic, at the Tertiary Care Hospital, Karachi, Pakistan: An Exploratory Qualitative study Sana Hirani, Amber Sabeen, Laila Ladak, & Zohra Kurji	Transitioning to a Digitally-a impacted and Eco-friendly School, Lahore Grammar School - LGS DHA Karachi Branch Afsheen Hashim, Ainee Shehzad, Kiran Ali & Mahjabeen Rafay	Technology in Education: Implications for Access to Quality Education Mir Zaman Shah & Sher Rahmat Khan	Community Building in (Post-)Pandemic Global South - Facilitating Brave Spaces in the Hybrid Realm Raheel Tajuddin Lakhani & Shama Dossa	Teaching for Bridging Three Fs: Foundational knowledge, Future skills, and Flexible thinking. An Imperative of the Evolving Environment Weera Fatima, Uzma Nadeem & Shaista Ali	
Ingredients of Teaching in the Digital Era: A Case of Teacher Education Institution Muznah Faheem	Teaching to Think with Technology: A 3T Model of Facilitating Philosophy of Education Course Meher Rizvi	A Systematic Review Of Educational Robotics Shireen Ali, Kaneez Fatima Mangi & Misbah Parveen	ChatGPT as a Case Study of Using Chatbots in Education Kashfia Latafat	Challenges of Integrating Geogebra into Teaching And Learning Geometry in Ghana Colleges of Education Zutaah Puotier	Inducing Eureka Mohammad Daniyal Tariq & Huzefah Haroon	Impact of Artificial Intelligence in Education and It's Challenges Myra Abbasi & Jai Prakash Solanki	
Learning Analytics and Student Performance: Exploring the Relationship Azra Naseem, Ayesha Mansoor & Susan Crichton	A Proposed Vision for Developing the Competencies of the Basic Education Stage Teacher in the Light of Digital Transformation Shoukria Hakki & Noura Hakmi	Pedtech-instead of Edtech, Ultimate Need for the Value-Based Growth of Society Lubna Imran	Digital Learning Technology Integration in Pre-Primary School Settings: A Case Study of Education Trust Nasra School Nazir Ahmed Shaikh & Uffaq Fatima	Teachers' Journey: Crisis Response to Flipped Learning in Gilgit Baltistan and Chitral Noor Shamsuddin & Abdul Wali Khan	Don’t Assess Students on What ChatGPT Can Do! Rethinking Assessment in the Wake Of AI Saira Mahmood, Syeda Ailya Zehra & Fauzia Shamim	The Challenges Of Online Teaching During Covid-19 Pandemic: A Case Study of Shah Abdul Latif University Of Khairpur Mir's Sindh Misbah Shaikh, Noor Fatima & Humera Ajjaz	
TEA BREAK   10:30 – 11:00 AM							
CONCURRENT SESSIONS II   11:00 AM - 12:00 NOON							
F2F   Room 03	F2F   Room 05	F2F   Room 08	F2F   Room 09	F2F   Room 10	Virtual   Room 11	F2F   Room 12	F2F   Room 13
Chair and Co-Chair: Qamar Riaz and Yasmeen Mehboob	Chair and Co-Chair: Hasan Eskaf and Munir Lalani	SHOWCASE OF TECHNOLOGY AND PEDAGOGY AT K-16 Chair: Aien Shah and Meher Rizvi	Chair and Co-Chair: Noureen Lakhani and Noura Hakmi	Chair and Co-Chair: Shoukria Hakki and Sohail Ahmad	Chair and Co-Chair: Nusrat Fatima Rizvi and Ali Gohar Qazi	Chair: Raheel Tajuddin	Chair and Co-Chair: Naveed Yousuf and Nasira Parveen
Using Role-Play in an Online Environment - A Reflective Stance from Higher Education Sadia Bhutta, Kiran Qasim Ali & Uzma Munir	Efficacy of Distance Learning in Faith-Based Religious Education: A Case Study of Sindh Farhan Jumani, Shairose Jessani, Shahid Sherali & Sonia Surani	Navigating Experiential Learning for Bridging Concrete Experiences to Abstract Understanding -From Hands-on to Ed-Tech Maria Mustafa, Abida Zeeshan, Yasra Zeeshan, Hassan Fatima Beenish Rizvi	Redesigning Assessments to Develop 21st-Century Skills in a V-STEAM Context: An Analytical Perspective Aniqa Masroor & Aaliya Abidi	Striking a Balance: Integrating ChatGPT in Teaching and Learning in Higher Education with Ethical Considerations Tasneem Anwar	The Complexities of Developing Learners' Digital Literacy Competencies Among Young Children in Low-Resourced Contexts Judy Wangui Kinyanjui & Jane Rarieya	Analyzing the Impact of Technology on Teaching Pedagogy at The Begum Nusrat Bhutto Women University Mariam Chachar, Bushra Mughal & Tehreem Fatima	Quality and Equity Issues in Secondary Schools in Kyrgyzstan Noor Shamsuddin, Duishon Shamatove, Mir Afzal Tajik, Sarfarozi Niyozov & Mehmet Karakus
Digital Artefacts as the Manifestation of Mathematics Teachers’ Understanding of Teaching Munira Amirali & Nusrat Fatima Rizvi	Use of ChatGPT in Higher Education across the Globe: Evidence Mapping and Meta-Synthesis Aisha Naz Ansari, Sohail Ahmad & Sadia Bhutta	Digital Learning Programme for Aga Khan School in Pakistan Meenaz Shams, Aien Shah, Muhammad Kashif Saleem	Reimagining the Role of Technology in Pakistan Fraz Younus, Atia Akhtar, Tooba Mujtaba & Azmat Mubin	Low-tech Solutions for Addressing Learning Losses: Insights from South Asia Dilshad Ashraf, Asadul Islam, Tarannum Baigh & Nasira Parveen	Teachers’ Perceptions and Experiences of Using Digital Technology in Undergraduate Classrooms in Pakistan Mariam Farooq & Sarwat Nauman	Evaluating the Technology Readiness of Prospective Teachers in B.Ed. Programs: A critical analysis of the curriculum Hira Shafiq	Use of Technology in Special Schools in Karachi Azra Naseem, Unab Khan & Pervaiz Alam
	Using Technology to Create Simulations that Aid Content Comprehension of Pre-Service Teachers in Karachi Muhammad Umair Khan & Zenab Moiz	Impact of the Teacher’s Technological Pedagogical Content Knowledge on Student’s Creativity Skills at Higher Level Safia Urooj, Rubina Usman Ali, Asma Afzal, Wahaj Muhammad Khan Nadir Ali	Reimagining The Training Ecosystem - Edlab Pakistan's Online Teacher Training Portal Mohsin Raza		Harnessing the Power of Artificial Intelligence in Educational Leadership: Optimizing Decision Making and Resource Allocation for Enhanced Effectiveness Mustafa Ramazan	Science Teachers’ Technology Integration Level and Challenges in Classrooms Khaliq UI Zaman & Tasneem Anwar	The Subtle Art of a Different Approach to Mathematics Abid Sohail & M. Khuzaima Khan
LIGHTNING TALK   AKU-IED SOCIAL AREA							
12:10 – 12:55 pm	Lightning Talk   Nauman Naqvi, Associate Professor, Habib University Chair: Tashmin Khamis, Vice Provost, Quality, Teaching and Learning, AKU						
LUNCH AND PRAYER BREAK   12:55 – 2:00 PM							
PANEL DISCUSSION AND KEYNOTE SESSION							
2:00 –2:45 pm	Panel Discussion   Practitioners’ Perspectives on Technology, Pedagogy and Society Panelists – Baela Jamil, CEO, Idara-e-Taleem-o-Aagahi (ITA); Farhad Merchant, CEO, AKES, India; Kashif Saleem, Senior Manager, Digital Learning, AKES Pakistan; and Athar Osama, Founder and Executive Director, STEMx and World Science Collaborative Ltd Moderator - Azra Naseem, Director, Blended and Digital Learning, AKU						
2:45 – 3:30 pm	Keynote Session   Fostering Equitable Online Learning Spaces: What We Can Learn from Different Cultures Maha Bali, Professor of Practice, Center for Learning and Teaching, American University in Cairo, Egypt Chair: Dilshad Ashraf, Associate Professor, AKU-IED						
CLOSING CEREMONY							
3:30 – 4:30 pm	Synthesis of Conference, Conference Chair, Tasneem Anwar, AKU-IED						
	Result of Best Innovation Case Presentation Contest and Shield Distribution Ceremony by Anjum Halai, Vice Provost, AKU						
	Vote of Thanks by Sajid Ali, Director Research, AKU-IED						
TEA AND REFRESHMENTS							