The University of Faisalabad

4th International Conference on Advanced STEAM Education (ICASE)

4TH INTERNATIONAL CONFERENCE ON ADVANCED STEAM EDUCATION

ICASE-2026 EVENT NEWSLETTER

STEAM FOR FUTURE-READY SOCIETIES



2–3 NOVEMBER 2026
FAISALABAD
PAKISTAN

A record of two days of research, discussion, and international cooperation in education.

Co- Host and Collaborators

Green International University

University of Rawalpindi

COMSTECH

PHEC

HEC

Website: steam.tuf.edu.pk

Media Patterns

92 News HD Plus

News HD

Wave FM 96.6

The University Of Faisalabad, Saleem Campus,Sargodha Road, Faisalabad.

ICASE A PLATFORM FOR FIVE FIELDS OF KNOWLEDGE

S Science | **T** Technology | **E** Engineering | **A** Arts | **M** Mathematics

The International Conference on Advanced STEAM Education (ICASE) is an annual academic event organised by The University of Faisalabad (TUF) through its Office of Research, Innovation and Commercialization and its Office of International Linkages. It brings together scholars, teachers and professionals from many countries in Science, Technology, Engineering, Arts and Mathematics, because new knowledge serves people best when it is joined with creativity, sound values and an understanding of society.

Three Editions That Built the Road to 2026



1st ICASE 2023



2nd ICASE 2024



3rd ICASE 2025

Bridging Minds Globally

5–6 December 2023
The first edition brought together more than 40 researchers and scholars and more than 1,500 attendees. It was inaugurated by H.E. Mr Nguyen Tien Phong, Ambassador of Vietnam.

Emerging Trends and Applications

7–8 November 2024
The second edition offered more than 20 sessions, with participation from government, industry, and academia.

Bringing Science and Creativity Together

19–20 November 2025
The third edition was held in a hybrid format, with researchers from more than 15 countries, including Pakistan, and over 60 research papers.



4TH ICASE 2026 AN IMPRESSIVE RESPONSE FROM THE ACADEMIC COMMUNITY

ICASE-2026 recorded 1,600+ participants, 390 research abstracts, 27 invited speakers, including 20 keynote speakers, 20+ international speakers, 100+ oral presentations, and 240+ poster presentations. Participants represented 40+ universities and research organisations from 10+ countries, which reflects the growing importance of interdisciplinary STEAM research.

1,600+ Participants

390 Research abstracts

27 Invited speakers, including 20 keynote speakers

20+ International speakers

100+ Oral presentations

240+ Poster presentations

40+ Universities and research organisations

10+ Countries represented

Partners Who Made the Conference Possible

The conference was hosted by TUF in collaboration with Green International University and the University of Rawalpindi. The collaborators were the Higher Education Commission (HEC), the Punjab Higher Education Commission (PHEC), and COMSTECH, and the media partners were 92 News HD Plus, 9 News HD, and Wave FM 96.6.

Networking Dinner Welcomes the Delegates

The conference began on Sunday, 1 November 2026, with a Networking Dinner. It was arranged for the delegates, speakers, and guests who had arrived in Faisalabad, and it gave them a first chance to meet in a relaxed setting, so that the academic exchange of the next two days began among people who already knew one another.



A FORMAL OPENING UNDER THE THEME OF FUTURE-READY SOCIETIES

The inaugural session of ICASE-2026 was held on Monday, 2 November 2026. It was hosted by TUF in collaboration with Green International University and the University of Rawalpindi. It brought together distinguished national and international dignitaries, academics, researchers, and experts under the theme “STEAM for Future-Ready Societies”. The ceremony began with the recitation of the Holy Quran, followed by Naat Sharif and the National Anthem.



Guests Who Honoured the Ceremony

Prof. Dr. Iqrar Ahmad Khan, Chairman of the Punjab Higher Education Commission (PHEC), attended as Chief Guest. H.E. Mr. Yusuf Sharifzoda, Ambassador of the Republic of Tajikistan, and Mr. Wang Yaqing, Vice Consul General of the People’s Republic of China, were the Guests of Honour.

Mr. Mohamed Abdirahmon Hersi, Second Secretary at the Embassy of the Federal Republic of Somalia, represented the diplomatic community. The leadership of TUF was represented by Dr. Muhammad Haider Amin, Chairman of the Board of Governors, Dr. Muhammad Hamza Amin, Vice Chairman, and Prof. Dr. Aman Ullah Malik, Rector.











A Venue Prepared to Welcome the World

The campus and the conference venues carried one carefully planned design in keeping with the theme. Thematic stage displays, digital screens, standees, banners, directional signs and printed materials gave every event space a consistent identity and welcomed delegates, speakers and participants alike.





Share, Connect and Apply

Dr Muhammad Haider Amin · Chairman, Board of Governors, TUF

Dr Muhammad Haider Amin welcomed the participants and noted the remarkable participation of more than 1,600 researchers and academics. He announced that the STEAM journal of TUF has been recognised in the HEC "Y" Category and described the conference through three dimensions: Share knowledge across disciplines, Connect through academic collaboration and partnerships, and Apply research and ideas as practical solutions.

Stressing interdisciplinary cooperation in meeting educational, technological, environmental, healthcare and social challenges, he officially announced the opening of the fourth edition.

Innovation Guided by Integrity

Mr Wang Yaqing · **Vice Consul General, People's Republic of China**

Mr Wang Yaqing thanked TUF for organising the conference and recognised its interdisciplinary approach. He said that, in the present technological revolution, innovation must remain human-centred and guided by integrity.

He acknowledged the 75th anniversary of Pak-China friendship, confirmed China's commitment to continued cooperation with Pakistan and wished the conference success.





Thirty-Five Years of Friendship

H.E. Mr. Yusuf Sharifzoda, Ambassador of the Republic of Tajikistan.

H.E. Mr Yusuf Sharifzoda spoke of 35 years of successful friendship and diplomatic relations between Pakistan and Tajikistan.

He commended the conference theme and emphasised the importance of academic exchange, international cooperation and shared knowledge in preparing future generations to meet global challenges.

From Information to Transformation

Prof. Dr Iqrar Ahmad Khan, Chairman, Punjab Higher Education Commission (PHEC).

Prof. Dr Iqrar Ahmad Khan described the discussions of ICASE-2026 as a significant achievement for the academic community and said that real progress requires a change in the education system.

"Our education is informative, not transformative."

Prof. Dr Iqrar Ahmad Khan, Chairman, PHEC

He explained that such conferences encourage innovative solutions, strengthen links with industry, help address food security and improve the quality of life of ordinary Pakistanis. He praised the initiative of TUF and observed that such efforts remind educational bodies of their responsibility towards society.



SEVENTY-FIVE YEARS OF FRIENDSHIP MARKED WITH A SHARED CELEBRATION

The year 2026 marks the 75th anniversary of diplomatic relations between Pakistan and China. During the inaugural session of ICASE-2026, a cake-cutting ceremony was held to mark this occasion in the presence of Mr. Wang Yaqing, Vice Consul General of the People's Republic of China.



Mr. Wang Yaqing, guests, and the leadership of TUF cut the anniversary cake, which carried the flags of Pakistan and China.

Friendship Recognised in Word and in Gesture

In his address, Mr. Wang Yaqing had acknowledged the 75th anniversary of Pak-China friendship and confirmed China's commitment to continued cooperation with Pakistan. The cake-cutting that followed gave this message a visible form, with the flags of the two countries beside the name of the conference.







Education as a Bridge between Nations

ICASE-2026 brought together researchers and academics from more than 10 countries, and the celebration reminded the participants that cooperation in education and research is one of the lasting ways in which nations strengthen their friendship.

VISION, ACHIEVEMENT AND A HUMAN-CENTRED FUTURE



PROF. DR MAJID HUSSAIN

Dean of the Faculty of Information Technology, TUF

Prof. Dr. Majid Hussain, Dean of the Faculty of Information Technology, TUF, delivered a presentation titled “STEAM: From Vision to Achievement.” Prof. Dr. Shahid Saroya, Pro-Rector of The University of Lahore, gave the keynote address, “Beyond STEM to STEAM: Reimagining Education for a Human-Centered Future.”

Prof. Dr. Aman Ullah Malik, Rector of TUF, delivered the vote of thanks to the guests, speakers, researchers, participants, and all who contributed to the success of the conference.

LEADERS OF HIGHER EDUCATION IN ATTENDANCE

Vice Chancellors and Rectors from across Pakistan attended the conference, including Prof. Dr. Muhammad Mukhtar, Prof. Dr. Ashfaq Ahmad Chatha, Prof. Dr. Yasir Nawab, Prof. Dr. Nadeem Sheikh, Prof. Dr. Muhammad Tariq Javed, Prof. Dr. Mubashar Munawar, and Prof. Dr. Adnan Noor.

Souvenirs were presented to the distinguished guests in appreciation of their participation. A cake-cutting ceremony marked the 75th anniversary of Pak-China friendship in the presence of Mr. Wang Yaqing, followed by a networking tea session.









FUTURE-READY SOCIETIES SKILLS, INNOVATION, AND SUSTAINABILITY

The national panellists included Prof. Dr. M. Kamran, Vice Chancellor of IUB Bahawalpur and KFUEIT, Rahim Yar Khan; Prof. Dr. Adnan Noor, Vice Chancellor of ITU Lahore; Prof. Dr. Yasir Nawab, Vice Chancellor of the University of Kamalia; and Prof. Dr. Mubashar Munawar, Rector of Green International University, Lahore.
They were joined by Mr. Florencio Ballesteros Jr. of the University of the Philippines, Diliman; Prof. Dr. Herman Roborgh of Minhaj University, Lahore; and Dr. Mohan Rathakrishnan of Universiti Utara Malaysia.

The panellists emphasised the urgency of bridging academia, industry, and research. They also advocated practical policies to promote future-ready skills, digital transformation, and sustainable research collaboration worldwide.



RESEARCH PRESENTED ACROSS FOUR THEMES ON THE FIRST DAY

After the lunch and prayer break, the scientific programme began with two rounds of parallel sessions in four venues. Each session was led by a department of TUF and chaired by a senior academic, combining keynote and invited speakers with oral presentations by researchers.

1 EQUITY, INCLUSION AND WELLBEING

Led by Rehabilitation Sciences in the first round and Sports Sciences and Physical Education in the second, and chaired by Prof. Dr. Haider Darain of Khyber Medical University, Peshawar, and Dr. Syed Zia Ul Islam of the University of Haripur.
Keynote speakers were Mr. Moonkyu Lee of South Korea, on solving problems of the locomotion system, and Dr. Tasleem Arif, on physical activity from a global perspective. Dr. Salvaraj Antoniraj of Lincoln University College, Malaysia, spoke on early mobilisation, robotics and virtual reality in stroke care, and Prof. Dr. Waseem Khan of Gomal University spoke on inclusive campus engagement through sport. Oral presentations ranged from inclusive nutrition for brain health in older adults to rehabilitation after sacroiliac joint dysfunction.

2 FUTURE SKILLS AND COMPETENCIES FOR THE 21ST CENTURY

Led by English Language and Literature and chaired by Dr. Ali Usman Saleem of Government College University Faisalabad and Prof. Dr. Herman Roborgh of Minhaj University, Lahore.

Dr. Shahid Siddiqui of the Lahore School of Economics spoke on a framework for future language competency, Prof. Dr. Zia Ahmad on English studies in the digital age, and Dr. Halimur Rashid Khan of North South University, Dhaka, on future skills.
Oral presentations covered activity-based teaching, AI-enhanced STEAM learning, and the ICT skills teachers need.



3 ARTIFICIAL INTELLIGENCE, INTELLIGENT LEARNING AND DIGITAL TRANSFORMATION

Led by Computer Science and chaired by Prof. Dr. Mahtab Afzal of The University of Lahore, with Prof. Dr. Ghufran Khan as co-chair. Dr. Syed Hamid Hussain Madni of the University of Southampton Malaysia spoke on how artificial intelligence is changing diagnosis, treatment, and patient outcomes.

Oral presentations included detection of deepfakes in Urdu, fairness in federated learning, generative AI and Gen Z competencies, and explainable AI in education.

4 INNOVATION, ENTREPRENEURSHIP AND INDUSTRY LINKAGES

Led by the National Business School and chaired by Prof. Dr. Mohsin Bashir of Government College University Faisalabad and Prof. Dr. Irfan Ahmad Baig of Mian Nawaz Sharif University of Agriculture, Multan.
Prof. Dr. Diana Chalil of Universitas Sumatera Utara, Indonesia, spoke on the palm oil supply chain, and Prof. Dr. Logaiswari Indiran of Universiti Teknologi Malaysia spoke on future-ready talent, businesses and economies. Oral presentations covered digital financial literacy among women entrepreneurs, entrepreneurial competencies and agribusiness value chains.

MORE THAN ONE HUNDRED POSTERS SHOWED THE RANGE OF RESEARCH

The Day 1 scientific programme featured more than 100 poster presentations, showcasing the diverse research contributions of scholars and researchers from various disciplines. The programme covered the four themes of the day, with research spanning healthcare, education, language and literature, computer science, business and technology. The posters were displayed alongside the oral presentations of their respective themes, allowing visitors to move between both formats.



1 Equity, Inclusion and Wellbeing

Posters dealt with rehabilitation after stroke, text neck syndrome and cervical spondylosis, plant-based prebiotics for gut health, food security, social conformity among students, and inclusive physical education in schools.

2 Future Skills and Competencies for the 21st Century

The contributions looked at multi-grade teaching, code-switching as a language skill, the career mobility of women faculty, and the role of artificial intelligence and digital life in contemporary fiction and film.

3 Artificial Intelligence, Intelligent Learning and Digital Transformation

Posters presented research on explainable artificial intelligence for the early detection of Alzheimer's disease, deep learning for tissue image analysis, the detection of brain tumours and lung and colon cancers, and privacy-preserving intrusion detection for connected devices.

4 Innovation, Entrepreneurship and Industry Linkages

Subjects included media entrepreneurship among digital newsrooms, financial technology among informal entrepreneurs, green financing and company profitability, and the commercialisation of pharmacy student research.

THE SOIRÉE NIGHT A VIBRANT CULTURAL DIMENSION FOR THE CONFERENCE

On Monday, 2 November 2026, The Soirée Night added a vibrant cultural dimension to ICASE-2026. It brought together national and international delegates, distinguished guests, academics, researchers, and conference participants for an occasion of fellowship and celebration.



The gathering offered a welcoming setting for guests to connect beyond the academic programme, share experiences, and appreciate the cultural diversity represented at the conference. It highlighted the role of cultural exchange and personal engagement in building international understanding, lasting relationships, and a spirit of friendship among the participating countries and educational bodies. It also celebrated the shared values of collaboration, diversity, and mutual respect.



THE SECOND DAY WIDENED THE DISCUSSION

On Tuesday, 3 November 2026, the conference continued with two further rounds of parallel sessions. The morning round was held in four venues, and the afternoon round in three.

Morning: Health, Climate, Faith and Education

1 Smart Health Care Systems Discovery to Practice

Led by Pharmacy and chaired by Prof. Dr. Saba Tariq, Dean of the Faculty of Pharmaceutical Sciences at TUF. Dr. Aman H. Bhatti, a health technology executive from the United States, spoke on turning digital health innovation into clinical practice, and Dr. Faridah Mohd Said of Lincoln University College, Malaysia, spoke on discovery to practice in healthcare.
Prof. Dr. Zeliha Selamoglu of Kazakhstan addressed artificial intelligence in the design of nanovaccines and RNA therapeutics.

2 Sustainability, Climate Action and Green Innovation

Led by Biochemistry and Biotechnology and chaired by Prof. Dr. Florencio C. Ballesteros Jr. of the University of the Philippines Diliman. Prof. Dr. Demetris Lekkas of Greece spoke on smart tools for urban water management.

Invited speakers addressed pest control in cotton, food systems and malnutrition, climate-driven nutrient depletion, the air quality of Lahore, and cadmium in rice.

3 Islamic Perspective for Future Ready Societies

Led by Islamic Studies and chaired by Prof. Dr. Matloob Ahmad, Dean of the Faculty of Arts and Social Sciences at TUF.
Dr. Hamdan Maghribi of Indonesia asked whether artificial intelligence can issue a fatwa and what ethics of judgment that would require, while invited speakers from Pakistan and India spoke on the Qur'anic view of intelligence and wisdom and on women's role in family well-being.

4 Next Generation Edu-Tech and Ethics

Led by Education and chaired by Dr. Muhammad Moin Awan of Dar-ul-Madina International University, Islamabad. Dr. Mohan Rathakrishnan of Malaysia described how ChatGPT-assisted learning helped young pupils learn English vocabulary, and Prof. Dr. Muhammad Sarwar spoke on measuring ethical health in AI-driven education. Other speakers addressed artificial intelligence in STEM education and medical training.

Afternoon: Governance, Creativity and Faith

Policy, Leadership and Governance for Future-Ready Societies:
Led by the Faculty of Law, with Dr. Shahid Rizwan of Cambridge speaking on resilient societies through innovation and good governance.

Arts, Creativity and Human-Centered Innovation:
Led by Design and Interior, with Dr. James Shorthose of Lincoln speaking on reflective practice for creativity, and Prof. Ali Raza on finding self and purpose.

Islamic Perspective for Future-Ready Societies:
Led by Islamic Studies, with Dr. Ridhwan Jamal Yousef Elatrash of Malaysia speaking on balancing artificial intelligence, human intelligence, and ethical responsibility.







POSTERS CARRIED THE RESEARCH OF THE SECOND DAY

1 Smart Health Care Systems

The posters covered a range of topics, including nutrition for athletes, a blood test index for liver cirrhosis, biomarkers of diabetic kidney disease, protection against colitis, myopia and the retina, and whether conversational artificial intelligence increases health anxiety.

2 Sustainability, Climate Action and Green Innovation

Subjects included the health benefits of sunflower oil, the removal of heavy metals from wastewater, materials for energy storage, floating wetlands for clean water, and nutrient loss in Pakistani diets under climate stress.

3 Artificial Intelligence, Intelligent Learning and Digital Transformation

The posters explored fact-checking of artificial intelligence in Islamic research, the Seerah and the United Nations 2030 Agenda, interest-free banking, and green sukuk for climate finance.

4 Policy, Leadership and Governance

Topics included smart education governance, the regulation of artificial intelligence and cryptocurrency, cybersecurity law, and access to legal aid.

5 Arts, Creativity and Human Centred Innovation

The posters explored storytelling as a human technology, art as a language of expression, and a visual approach to speaking hesitation.

6 Next Generation Edu-Tech and Ethics

Subjects included explainable artificial intelligence for adaptive learning, ICT in secondary schools, and generative AI literacy among students.



Conclusion of the Conference

The conference concluded with the final session of the afternoon.

A PATH TO PUBLICATION FOR SELECTED PAPERS

31 December 2026

Submission deadline for selected conference papers published free of charge.

Selected papers presented at ICASE-2026 will be considered for publication in a special issue of Innovations in STEAM: Research and Education, an HEC "Y" Category journal.

Selected conference papers submitted by 31 December 2026 will be published free of charge.

THANKS TO EVERYONE WHO MADE THE CONFERENCE POSSIBLE

TUF extends its sincere thanks to the speakers, session chairs, researchers, partners, media colleagues, and volunteers whose contributions made ICASE-2026 a success.



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