

THE INTERNATIONAL CONFERENCE ON AI-DRIVEN STEM EDUCATION AND LEARNING TECHNOLOGIES (AISTEMEDU 2025)

1-2 December, 2025



ORGANIZED BY



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Opening Ceremony, Lecture Hall		
Activities	Timing	Details
Conference Registration	9:30 – 10:00 AM	COBA Atrium
Welcome Address	10:05 - 10:15 AM	Dr. Faisal Yousif Al Anezi Conference Chair
Keynote Address	10:15 - 10:30 AM	Dr. M. Waqar Ashraf Conference Deputy Chair
Keynote Speech	10:30 - 10:50 AM	Dr. David McGuire Professor in Human Resource Development Topic: Ethical and workplace issues affecting the adoption of AI in STEM workplaces Edinburgh Napier University
Invited Speech	10:50 - 11:00 AM	Prof. Dr. Mahmood Khan Niazi Department of Computer Sciences, KFUPM Topic: Leveraging Deep Learning & LLMs for STEM Education: A Comparative Study
Panel Discussion on: <i>“Empowering the Workforce of the Future: AI and STEM Education for Industry Readiness”</i>	11:00 - 11:30 AM	i. Mr. Faisal F. Al-Jindan Director Learning Solutions & SVCS, Saudi Aramco ii. Dr. Olga Burukina College of Sciences & Human Studies, PMU iii. Prof. Dr. El-Sayed Mohamed El-Alfy Department of Computer Science and Engineering, KFUPM iv. Prof. Dr. Amani Alghamdi Department of Curricula and Teaching Methods, IAU
Break & Refreshments	11:30 – 12:30 PM	PMU Atrium – Main Auditorium

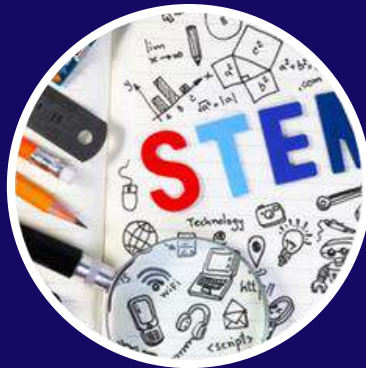
Conference Overview

The International Conference on AI-Driven STEM Education and Learning Technologies (AISTEMEDU 2025)

Lecture Hall – M

1 December, 2025

Day – 1



Transform STEM Education with AI – Advance AI-driven learning methodologies, intelligent tutoring systems, and adaptive educational technologies to enhance student engagement and knowledge acquisition.



Innovate Computational and Mathematical Modeling – Explore advanced mathematical and computational techniques to optimize AI applications, driving economic diversification and technological progress.



Promote AI for Sustainability – Showcase AI-powered solutions in environmental sustainability, smart infrastructure, and renewable energy to support global green initiatives and Net Zero goals.



Address Ethical and Societal Impacts of AI – Examine AI governance, ethical considerations, and workforce transformation to ensure responsible AI integration in education, industry, and society.



Opening Ceremony AISTEMEDU 2025

1 December, 2025

Lecture Hall – M

Day – 1



Dr. Faisal Yousif Al Anezi
Inaugural Address
Conference Chair



Prof. Dr. M. Waqar Ashraf
Welcome Address
Conference Deputy Chair



Prof. Dr. David McGuire
Keynote Speaker
Edinburgh Napier University



Prof. Dr. M. Khan Niazi
Invited Speaker
KFUPM

Panel Discussion

Empowering the Workforce of the Future: AI and
STEM Education for Industry Readiness” “

1 December, 2025

Lecture Hall – M

Day – 1



Mr. Faisal F. Al-Jindan,
Director Learning Solutions &
SVCS, Saudi Aramco



Dr. Olga Burukina
College of Sciences & Human
Studies, PMU



Prof. Dr. El-Sayed Mohamed El-Alfy
Computer Science and
Engineering, KFUM

AISTEMEDU 2025

Conference Committee Chairs



Dr. Shakir M. Usman
Chair, Steering
Committee



Dr. Sagheer Abbas
Chair, Technical
Committee



Dr. Nidal Abu-Libdeh
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Dr. Joel Richmond
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Dr. Siddiqua Aamir
Chair, Publicity
Committee



Dr. Hanadi Abdelsalam
Chair, Hospitality
Committee



Dr. Jason Sparkes
Secretary, Conference
Secretariat

BREAK & REFRESHMENTS

Time: 11:30 – 12:30

Location: PMU Atrium – Main Auditorium



Day – 1



Session-1 – (In-Person)

Dr. Hanadi Abdelsalam

Session Chair

Time: 12:30 – 2:15

Location: COBA – G027



Day – 1

01 Paper ID: 199

Zulfiqar Ali Bhutto, Kamlesh Kumar Soothar, Kamran Ali

Reinforcement Learning-Based Dynamic Taxi Fleet Rebalancing
for Urban Mobility Optimization

02 Paper ID: 173

Mudassar Imran, Bilal Shoaib, Abdul Hannan, Muhammad
Asghar Khan, Adnan Khan

Traffic Congestion Control in Smart Cities Using Advanced
Machine Learning Techniques with Explainable Artificial
Intelligence

03 Paper ID: 197

Aziz Ur Rehman, Mohamed A Akela, Muhammad Asif,
Muhammad Hassan Ghulam Muhammad, Saba Mohsin

Identification of Gene Expression Features for Cancer Using
Machine Learning Techniques

04 Paper ID: 202

Khaled Alruwaili, Enio Bandarra Filho, Gleyzer Martins

AI-Based Predictive Maintenance for Sustainable Gas Turbines.

05 Paper ID: 196

Shadi Majed Alshraah, Nasser Alharbi, Loubna Hussain Rashid
Alajmi, Yousaf Saeed, Muhammad Farrukh Khan, Amna Ilyas.

Integrating Semantic Understanding and Textual Features for
Fake News Detection Using Deep Learning

Tea Break:

Time: 2:15 PM – 2:30 PM

Location: COBA-G026

Session-2 – (In-Person)

Dr. Mirna Khalife

Session Chair

Time: 2:30 – 4:00 PM

Location: COBA – G028



Day – 1

01 Paper ID: 195

Kausar Parveen, Nawaz Malik, Yousaf Saeed, Nassir Omar Altalhi, Muhammad Yousaf, Maha S. Albahar.

Building a Secure and Intelligent Digital Future: The Role of AI, Cybersecurity, and Business Transformation.

02 Paper ID: 174

S. Bilal, Aftab Ahmed, Asad Ullah, M. Yasir

Role of Machine Learning Algorithm in Formulating Differential Setup through Supervised Model Trained with Data through Computational Scheme.

03 Paper ID: 170

Adnan Qamar, Fahid Riaz, Muhammad Farooq, Muhammad Farhan, Shahid Imran, Muhammad Imran Khan.

Aqueous Al₂O₃ Nanofluids as Advanced Heat Transfer Fluids for Sustainable Energy and Cooling Applications.

04 Paper ID: 193

Nadia Tabassum, Natash Ali Mian, Abdulelah Almutlaq, Leena Anum, Muhammad Umair Javaid, Muhammad Junaid Iqbal

Explainable AI for Student Assessment and Achievement in the Education System.

05 Paper ID: 203

Yasir Muhammad, Muneeba Khan, Syeda Taleeha Zainab, Ihtesham Jadoon, Alaa Alhawsawi and Hamed Alghamdi
Robust Human Activity Classification Using Ensemble and Linear Learning Models on Wearable Sensor Data.

Saudi Cultural Visit

Cultural Experience in Al Khobar



Day - 1

01 4:15 PM

Departure from the conference venue

02 4:45 PM

Arrival at Ithra - Welcome and introduction

03 4:45 PM - 5:45 PM

Guided tour of Ithra's key facilities: Museum galleries, Library, Great Hall, Innovation Hub, Energy Exhibit, and Theater.

04 6:00 PM - 6:30 PM

Scenic drive through Al Khobar city - View Corniche, Water Tower, and key landmarks.

05 6:40 PM

Arrival at Heritage Village Restaurant in Dammam

05 6:45 PM - 7:45 PM

Traditional Saudi dinner at Heritage Village Restaurant with an optional brief museum visit

06 8:30 PM

Return to the Hotel

Session-1 – (In-Person)

Dr. Muhammad Farooq

Session Chair

Time: 9:00 – 11:30 AM

Location: COBA – G027



Day - 2

01 Paper ID: 190

Adeela Hayat, Tahir Alyas, Qaiser Abbas, Sami Albouq, Sardar Muhammad Bilal, Muhammad Junaid Iqbal

A Hybrid Ensemble Approach to Credit Card Fraud Detection with Feature Engineering and Model Optimization

02 Paper ID: 178

Muhammad Furqan Khan, Wasim Ahmad Khan, Waqas Ali, Ghulam Shabbir, Nassir Omar Altalhi

A Systematic Literature Review to Explore QoS Provisioning Based on SLA Monitoring and Cognitive QoE Evaluation

03 Paper ID: 166

Rana Muhammad Amir Latif, Farhan Ullah, Umar Raza, Areej Fatima, Yue Zhao, Barra Touray

Optimization Algorithms for Renewable Energy Resource Allocation in Urban STEM Camps

04 Paper ID: 169

Rana Muhammad Amir Latif, Farhan Ullah, Umar Raza, Areej Fatima, Diletta Cacciagrano, Yue Zhao

AI-Powered Sustainable Energy Optimization Framework for Smart Campuses Using Reinforcement Learning and IoT Sensing

05 Paper ID: 135

Najeh Alsalihi, Abdellateef Alqawasmi

Investigating Science and Mathematics Teachers' Knowledge, Attitudes, and Challenges in Integrating Sustainable Development into STEM Education

Session-2 – (Online)

Dr. Khadija Fritsch-El Alaoui

Session Chair

Time: 9:00 – 11:30 AM

Location: COBA – G028



Day - 2

01 Paper ID: 194

Amna Asad, Maria Tariq, Sundas Munir, Khushbu Khalid Butt,
Nadia Tabassum
Interpreting Silent Speech: Recognizing Hand Sign Language
from Images using ViT

02 Paper ID: 200

Mehdi Hosseini Chagahi, Abolfazl Yeganeh, Saeed Mohammadi Dashtaki,
Hyeonhon Kwon, Behzad Moshiri, and Md Jalil Piran
Improving the Identification of Fraudulent Activity with Cascade
Attention-Based Ensemble Learning: An Interpretable AI Approach

03 Paper ID: 146

Susmith Barigheid, Shahul Hameed, Nagireddy Karri, Sandeep Kumar
Jangam, Partha Sarathi Reddy Pedda Muntala, Deepak Gupta
Computational Modeling of AI-Enhanced Learning Pathways: A
Mathematical Framework for Optimizing Knowledge Acquisition,
Cognitive Load Management, and Student Performance in STEM
Education

04 Paper ID: 139

Hassan Rehan, Jamshaid Janjua and Ali Ahmad
AI-Driven DNA Insights and Public Health Data Integration for
Enhancing Personal Healthcare in Critical Disease Prevention

05 Paper ID: 138

Sultana Kowser, Omar Farooq and Niaz Morshed
Data-Driven Approach to Educational Reforms for Transforming
U.S. Higher Education through AI and Business Analytics

06 Paper ID: 141

Uman Ahmed Mohammed
Cloud-Driven Intrusion Detection Enhancement Using RNN and
CNN on Network Traffic

07 Paper ID: 198

Ghida Alzohbi, Maria Lapina, Marina Tokmakova, Alexey
Dmitrienko, Marina Gordova, Deepanraj Balakrishnan.
Correlation Analysis of LMS Data Using Built-In AI Tools to
Identify Engagement Patterns.

Session-3 – (Online)

Dr. Nidal Abu-Libdeh

Session Chair

Time: 9:00 – 11:30 AM

Location: COBA – G029



Day - 2

01 Paper ID: 75

P. Balamurugan, Ganijon Madgoziyev, Azizov Azizbek, Ashok W, F Rahman
Cryptocurrency Trend Detection Using Hidden Markov Models in Digital Asset Analysis Systems

02 Paper ID: 73

Gayrat Bekbergenov, K. Bhargava Triveni Nandana, Mamasidikova Naima Tokhirjon Kizi, Sureka M, Mariyam Ahmed

Economic Time Series Decomposition Using Seasonal ARIMA in Macro-Level Planning Models

03 Paper ID: 71

Prabakaran Paranthaman, Sangeetha C, Qobul Maxkamov, Ishimbaev Rafael Nailevich, Sandeep Soni

Customer Churn Identification Using AdaBoost Algorithm in Subscription-Based Service Models

04 Paper ID: 158

Nargiza Shaumarova Shorustam Qizi, Sharustam Shamusarov Giyasovich, Hariharan N Krishnasamy
AI-Enhanced Cultural Data Analytics in EFL Education: Ethical and Societal Implications for Smart City and Rural Schools in Uzbekistan

05 Paper ID: 154

Shuo Zhang, Sajjad Hussain, Ahmed Zoha
LEAP: Learning Enhanced by AI Personalization for Customized Student Support

06 Paper ID: 140

Uman Ahmed Mohammed
Cloud Architecture for Optimizing Digital Marketing Strategies in Small Businesses Using Sentiment Analysis

Session-4 – (Online)

Dr. Irfan Siap

Session Chair

Time: 9:00 – 11:30 AM

Location: COBA – G030



Day – 2

01 Paper ID: 149

Ravi Teja Madhala, Sonali Suri, Nivedita Rahul, Guru Pramod Rusum, Sonal Sagar Boda, Deepak Gupta

Integration of Intelligent Tutoring Systems with Machine Learning Models to Facilitate Personalized Instruction, Automated Assessment, and Real-Time Feedback in Higher STEM Education

02 Paper ID: 148

Arif Jawaid, Tahir Alyas, Qaiser Abbas, Sami Albouq

Explainable AI-Powered Writing Tutor for Academic English Learning and Improvement

03 Paper ID: 147

Abdul Hadi, Lakshmi Reddy Motati, Sunil Anasuri, Gowtham Reddy Enjam, Kiran Kumar Pappula, Deepak Gupta

AI-Enabled Smart Infrastructure for Sustainable STEM Education Ecosystems: Leveraging Intelligent Systems to Support Renewable Energy, Resource Optimization, and Green Campuses

04 Paper ID: 145

Abdul Hadi, Mohamed Affiq, Shahul Hameed, Lakshmi Reddy Motati, Vinay Chowdary Manduva, Deepak Gupta

Application of Advanced Mathematical Optimization and Computational Algorithms for Enhancing the Efficiency, Accuracy, and Scalability of AI Applications in Education and Industry

05 Paper ID: 144

Nihari Paladugu, Abdul Hadi, Manu Kumar Misra, Fayed Mohammed Akbar, Deepak Gupta

Environmental Sustainability through AI-Driven Predictive Analytics, Multi-Sensor Data Fusion, and Computational Modeling for Smart Infrastructure and Green Energy Systems

06 Paper ID: 143

Omar Farooq and Niaz Morshed

Scalable Machine Learning Architecture for Securing IoT Networks with Digital Governance in the AI Era of Cyber-Resilient Smart Cities

07 Paper ID: 142

Yugandhar Suthari and Karthik Babu Manam

Ensuring Privacy and Data Anonymization in Smart Homes for Secure Data Sharing

BREAK/REFRESHMENTS

Time: 12:30 – 01:30 PM

Location: PMU Atrium – Main Auditorium



Session-5 – (Online)

Dr. Sagheer Abbas

Session Chair

Time: 1:30 – 4:00 PM

Location: COBA – G027



Day – 2

- 01 Paper ID: 86**
Nargis Kurbanazarova, Priya Sethuraman, Deepak P, Najmitdinov Akhadkhon Khamitdkhanovich, Yasir Mahmood Younus, Atul Dattatraya Ghate
Student Dropout Risk Classification Using CatBoost Algorithm in Higher Education Retention Systems
- 02 Paper ID: 60**
Kassem Al-Attabi, Nargiza Asadullayeva, Aravindhana Vv, Sharipov Dilshodbek Shodmonjon Ugli, Charpe Prasanjeet Prabhakar
Oppositional White Shark Optimizer for Classifying Road Cracks in Smart City Infrastructure
- 03 Paper ID: 72**
Kakhramon Khakberdiev, Khayitova Feruza, Zainab A. Alzarfi, Ibragimov Ulmas, Shyam Maurya
Sentiment Classification in Consumer Reviews Using Multinomial Naïve Bayes in E-Commerce Platforms
- 04 Paper ID: 69**
J. Azimov, K. Venkatesh Guru, S. Dinesh Kumar, Giyosiddinov Abdurakhim Nasritdin Ugli, Lalit Sachdeva
Urban Traffic Flow Simulation Using Cellular Automata in Smart City Transportation Networks
- 05 Paper ID: 183**
Simran Kalra, Kaviarasan L, Shashikant Patil, Jagmeet Sohal, Rachita Sarangi, Sagar Gulati
Improving Pediatric Medication Safety: The Correlation between Pharmacological Knowledge and Error Prevention
- 06 Paper ID: 74**
Shokhista Makhmaraimova, Natalya Radjapova, Najmitdinov Akhadkhon, Harish Natarajan S, Ashu Nayak
Voice Command Accuracy Improvement Using Connectionist Temporal Classification in Speech-to-Text Interfaces

- 07 Paper ID: 179**
Judgi T, Raman Verma, Sidhant Das, Viranshu Kumar, Prabhu A, Priyadarshi Das
Practical Assessment of Soil Heavy Metal Levels through Novel Mathematical Technique
- 08 Paper ID: 88**
Arasuraja Ganesan, Ashika S, Khaydarkul Berdaliyev, Abdumutalliev Abdulakhad Abdusamad
Consumer Purchase Pattern Extraction Using Apriori Algorithm in Retail Market Basket Optimization
- 09 Paper ID: 68**
H. Shaheen, Nuriddin Rasulov, Azizov Azizbek Sabitkhanovich, Ali Abbas Hadi, Anu K, D Kalidoss
Stock Market Volatility Analysis Using Temporal Convolutional Network in Financial Time Series Evaluation
- 10 Paper ID: 51**
Aakansha Soy, Sutar Manisha Balkrishna, Sharipov Dilshodbek Shodmonjon Ugli, Bharani B R, M. Murali
Enterprise Asset Tracking Using YOLOv7 for Visual Recognition and RFID Signal Verification
- 11 Paper ID: 188**
Anuja Nanda, Vivek Saraswat, Naresh Kaushik, Rajasekar B, Asif Mohamed H B, Raghu N.
Optimizing Image-Based Vehicle Damage Estimation through Artificial Intelligence.

Session-6 – (Online)

Dr. Shakir M. Usman

Session Chair

Time: 1:30 – 4:00 PM

Location: COBA – G028



Day – 2

- 01 **Paper ID: 89**
P. Sundara Balamurugan, Mahesh Bhoopathy H, M.R. Turakulov,
Sherkhanov Sultonmurod Davronboy Ugli, Poorti Sharma
Traffic Sign Classification Using Histogram of Oriented Gradients in Autonomous Driving Assistance
- 02 **Paper ID: 94**
D David Winster Praveenraj, Komil Bustanov, Gowthami Parandhaman,
Abdurakhimova Zulaykho Ikromjon Kizi, Lalit Sachdeva, Yasir Mahmood
Younus
Churn Prediction in Telecom Subscriptions Using Boosted Learning Models
- 03 **Paper ID: 95**
Karpagham C, Anju G, Kh.I. Nurmetov, Neetish Kumar, Noor Thamer
Mahmood, Sayfiddinov Jahongir Fakhridin Ugli
Driving Behavior Pattern Recognition Using Transformer Attention Mechanisms in Vehicle Control Systems
- 04 **Paper ID: 58**
Dilafruz Madalieva, Saodat Tuychiyeva, Naveen Iyappan E, Jumaboev Nurillo
Khayrullo Ugli, Prachi Gurudiwan, Noor Thamer Mahmood
Artificial Immune System Approach to Intrusion Detection in IoT Sensor Networks
- 05 **Paper ID: 78**
K Venkata Nagendra, Sh.P. Alimukhamedov, Joseph Santhosh A, Dadabaev Saidbek
Samatovich, Pushplata Patel
Dual Attention Transformer for Identifying Alzheimer's Disease in MRI Scanning Applications
- 06 **Paper ID: 105**
K. Babu, Bahrom O Rolov, Yogalakshmi R, Kurbonova Marguba Yuldashevna, Ikhar
Avinash Khemraj
Teaching Schedule Optimization Using Tabu Search Algorithm in University Academic Timetabling

- 07 **Paper ID: 61**
Maryam A. Rahim, A.N. Avdeeva, Sriram B, Ismatullaeva Yodgora Abduvahob Kizi,
Rajvir Saini, Yasir Mahmood Younus
Transport Timeliness Evaluation Using Gaussian Process Regression in Smart City Transit Systems
- 08 **Paper ID: 63**
Sevar Akhmedova, Ra'No Mardonova, Karpagham C, Sayfiddinova
Muniskhon Fakhridin Kizi, Utkarsh Anand
Essay Quality Evaluation Using BART Transformer in English Writing Assessment Applications
- 09 **Paper ID: 115**
Zayniddin Bozorov, Haider Alabdeli, Calvin Antony J,
Surnameyokubbaeva Umida Abduvakhob Kizi, D Kalidoss, Raed Waheed
Kadhim
Hybrid CNN-GRU Model for Seizure Detection Using EEG Biomedical Signal Data
- 10 **Paper ID: 186**
Pratyashi Satapathy, Beemkumar Nagappan, Saksham Sood, Siva R,
Shashikant Patil, Basavaraj Devakki.
Novel Bio-Inspired Computational Technique for Real-Time Control of Automotive Suspensions.
- 11 **Paper ID: 185**
Sunil Kumar M, Takveer Singh, Anderson A, Swarna Swetha Kolaventi,
Sandeep G M, Dharendra Nath Thatoi
Optimization of Aircraft Gas Turbine Blades: A Novel Approach for Improved Performance and Efficiency
- 12 **Paper ID: 184**
Ankit Kumar, Dhanushya S.R, Sharmila Jagadisan
A Conceptual Framework for a Self-Sustaining Off-Grid Community – A Prototype Design Approach at Thiruvadanthai, Chennai

Session-7 – (Online)

Dr. Muhammad Asghar Khan

Session Chair

Time: 1:30 – 4:00 PM

Location: COBA – G029



Day – 2

01 Paper ID: 137

Tamim Rimon and Rokhshana Parveen
Revolutionizing Healthcare for Critical Diseases with AI and Enhancing Security via Low-Latency Edge Intelligence

02 Paper ID: 80

Gulnoz Samandarova, Khusniddin Ruziyev, Janani Sri S, Ishimbaev Rafael Nailevich, Chilukuri Bala Venkata Subbarayudu, Yasir Mahmood Younus
Deep Belief Network for Predicting Heart Disease Using Wearable Sensor Data

03 Paper ID: 121

Oualid Ali, Fatima S.Hussian, Bareq M. Khudhair, Hasssan Muhamedale, Muhamed Husseyn, Chorshanbi Usmanov
AI-Driven Accent Feedback for Pronunciation Support in Language Classrooms

04 Paper ID: 44

Sonali Mondal, Moti Ranj
Anomaly Detection in Smart Utility Grids Using Temporal Fusion Transformers on Consumption Data Streams

05 Paper ID: 46

Jainish Roy, Lalit Sachdeva, Nabiev Bosit Sobirovich, Cyril Prasanna Raj, R. Srinivasan
Secure Loan Approval System Using Explainable Boosting Machine (EBM) for Fairness and Transparency

06 Paper ID: 182

Hitesh Kalra, Kannagi Anbazhagan, Veeramuthu A, Jyotirmaya Sahoo, Shaktijeet Mohapatra, Manpreet Singh
Healthcare IoT Mitigating Cyber Threat for Detecting Anomaly Using Generative Adversarial Networks

07 Paper ID: 109

Nidal A. Al-Dmour, Khaled Shaalan, Priyanka Priyadarshini, Yoqutxon Raxmonqulova, Arasuraja Ganesan
Modernizing Philology Education with Neural Machine Translation of Ancient Languages

08 Paper ID: 85

Sujatha S, Dinara Saitxanova, Aishwarya K, Yusufjanov Ulugbek Javlon Ugli, Deepak Kumar Sahu
Academic Exam Scheduling Using Constraint Satisfaction Solver for Conflict-Free Timetables

09 Paper ID: 107

Abdullah Ghanim Jaber, Mohammed H.F, Moxirux Xoshimxo'Jayeva, Raed Waheed Kadhim, Saida Rakhimova, Abdumutalliev Abdulakhad Abdusamad Ugli
Smart Evaluation of Stylistic Elements in Student Writing Using AI Tools

10 Paper ID: 180

Ganesh D, Alok Kumar Mishra, Gomathi R.M, Sunila Choudhary, Sudhanshu Dev, Rakhi Chakraborty
Anomaly Detection Based on Edge Computing Using Transfer Learning in Industrial IoT

11 Paper ID: 189

Shobhit Goyal, Febin Prakash, Thangamani A, Ramesh Saini, Senthamilselvan K and Madhur Grover
Optimizing Supply Chain Management through Resilience and Capabilities Integration

12 Paper ID: 191

Simran Kalra, Ayaan Faiz, Diksha Aggarwal, Vigenesh M, Ramesh P.N., Sara Elais
Optimizing CNNR-NNT Model for Effective Product Recommendation in E-Commerce

Session-8 – (Online)

Dr. Kausar Parveen

Session Chair

Time: 1:30 – 4:00 PM

Location: COBA – G030



Day – 2

- | | |
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| <p>01 Paper ID: 116
Oualid Ali, Mustafa M. Abd Zaid, Priyanka Priyadarshini, Karrar Abbas Yousif, B. Harini, Zafar Allayev, Gulsanam Tillayeva
AI-Powered Narrative Generation for Personalized Learning in Primary Schools</p> <p>02 Paper ID: 124
Karrar M. Khudhair, Raami Riadhusin, Uktam Abdinazarov, P. Balamurugan, Karrar Abbas Yousif
Reinforcement Learning for Tailored Vocabulary Growth in Second Language Education</p> <p>03 Paper ID: 114
Bharathi C, Kobul Makhkamov, Aishwarya V, Sayfiddinov Izzatullakhon Bahodirxon Ugli, Ravinder Sharma
Fitness Repetition Monitoring Using Dynamic Time Warping in Wearable Gym Tracking Devices</p> <p>04 Paper ID: 122
Abdallah M. A. Al-Tarawneh, Karrar M. Khudhair, Reem Abdelkareem Alomoush, R. Revathy, Zilola Sattorova, Dilnoza Sokhibova, Yasir Mahmood Younus, Aarthy Jonathan Kennedy
Bridging Language Barriers in Education with Statistical Machine Translation</p> <p>05 Paper ID: 123
Khaled Shaalan, Fatima S.Hussian, Chesha P. Chellappan, Raavi Deepthi, Ali Abbas Hadi, Nasiba Eshqulova
AI-Driven Literary Analysis for High School Education Using Transformer Architecture</p> <p>06 Paper ID: 181
Sahil Suri, Mohamed Jaffar A, Banani Jena, Delhiraj N, Jamuna K V, Amritpal Sidhu
Investigation of Hepatotoxic and Ototoxic Effects in Tuberculosis Patients on Standard Drug Regimens</p> | <p>07 Paper ID: 128
Mustafa M. Abd Zaid, Jasim Gshayyish Zwaid, Neha Gopal N, H. Shaheen, Ali Abbas Hadi, Zilola Sattorova, Nigora Abduraimova
Deep Learning-Driven Token Semantics for Smart Contract Vulnerability Identification</p> <p>08 Paper ID: 113
Fatima S. Hussian, Jasim Gshayyish Zwaid, Nidal A. Al-Dmour, Ramee Riadhwsein, Karrar Abbas Yousif, Muntader Mhsnhasan, Anvar Pardaev
Neural Semantic Embeddings for Assessing L2 Writing Competency in Education</p> <p>09 Paper ID: 53
Shyam Maurya, Utkarsh Anand, Dadabaev Saidbek Samatovich, Preethi S, T. Thirugnanasambandham, Ali Abbas Hadi
Supply Chain Finance Risk Prediction Using Temporal Fusion Transformer on Transaction Time-Series</p> <p>10 Paper ID: 30
Aakansha Soy, Sutar Manisha Balkrishna, Mamasidikova Naima Tokhirjon Kizi, Jayanthi M G, M. Murali
Medical Image Watermarking Using Discrete Wavelet Transform with Particle Swarm Optimization</p> <p>11 Paper ID: 192
Amit Kumar, Varun Ojha, Dr Anup Kumar, Ramkumar Krishnamoorthy, Subhaprada Dash, Gokulnath R.
Using the Internet of Drones for Smart Agriculture Monitoring on Precision Manufacturing Empowered Framing</p> |
|--|--|

DINNER

Time: 05:30 – 07:30 PM

Location: Karam Beirut, Cornich, Al Khobar



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