Detailed Technical Session Schedule

3 November 2026 | Parallel Session 1 | In-person

Venue: Workshop B Hall, First Floor
Time: 15:30-17:30 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Prof. Dr. Omar Alhazmi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
1	15:30 - 15:50	1571326599	110	Who Recites What? Quantifying Reciter Leakage with a Reciter-Disjoint Protocol for Qur'anic Surah Recognition	**Abdullah Almohammadi**
2	15:50 - 16:10	1571342617	241	Brain Tumor Classification with Balanced Class Distribution: A Comparative Study of Hybrid Quantum CNN, CNN, and Vision Transformer	**Haamidhah Akbar Badhusha**, Ershadul Haque , Selvarengan Paranthaman , Syed Mohammed Shamsul Islam
3	16:10 - 16:30	1571327005	166	Artificial Intelligence Based Prediction of the Nonlinear Characteristics of Passively Q-Switched Ytterbium-Doped Fiber Lasers	**Ahmed H. H. Al-Masoodi**, Omar B. Abdulghafoor
4	16:30 - 16:50	1571332277	164	Enhancing YOLO11s with a P2 Detection Head and Efficient Multi-Scale Attention for Loose Oil Palm Fruit Detection	**Elly Warni**, Indrabayu, Andani Achmad, Syafruddin Syarif, Rudi Amme, Muhammad Rizal H
5	16:50 - 17:10	1571332477	189	EgySpell: A Hybrid Error-Injection Framework and Parameter-Efficient Benchmark for Egyptian Arabic Spelling Correction	**Fatimah Emad Eldin**, Esam Amin, Atef Raslan
6	17:10 - 17:30	1571344387	278	Architecting Next-Generation LMS Ecosystems: A Hybrid Cloud and AI Roadmap for Nigerian Higher Education	Abdulwahab Hassan , **Sharifah Mashita Syed-Mohamad**, Wiwied Virgiyanti

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 1 | In-person

Venue: Workshop C Hall, First Floor
Time: 15:30-17:30 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Prof. Dr. Saad Alharbi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
7	15:30 - 15:50	1571332899	149	Performance, Generalization, and Explainability of Deep Learning Models for Fundus-Based Glaucoma Detection	**Sofia Saidah**, Achmad Rizal, Inung Wijayanto, R. Maula Rifada
8	15:50 - 16:10	1571344513	233	Explainable machine learning models for evaluating truck drivers' involvement in injury Accidents in Kano, Nigeria	**Ibrahim Khalil Umar**
9	16:10 - 16:30	1571334686	190	Aerial Person Re-Identification Benchmark for Uniform-Attire Crowds	**Yousaf Albaluchi**, Raghavendra Ramachandra, Naser Damer, Kiran Raja
10	16:30 - 16:50	1571345118	227	How Necessary Is the Key Projection? A Small-Scale Cross-Lingual Ablation Study	Mohammed Nasir Ali Khan, **Mohammed Zafar Ali Khan**
11	16:50 - 17:10	1571333068	133	A Preclinical Offline-First Bilingual Clinical Decision Support Prototype for Look-Alike/Sound-Alike Medication Errors	**Rashad Kamsheh**, Shrouq Eraqy
12	17:10 - 17:30	1571334597	178	A Context-Aware Agentic RAG Formalism for Ijarah Financing	Muneeb Ul Haque, Atiq Ul Haq, **Hafiz Mahfooz Ul Haque**

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 1 | Virtual

Venue: Small Hall, Ground Floor
Time: 15:30-17:30 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Prof. Dr. Talal Noor

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
13	15:30 - 15:50	1571309503	129	Deep Learning for Arabic Sentiment Analysis in Low-Resource Settings: Recent Methods and Performance Analysis	**Mohammad Mezher**
14	15:50 - 16:10	1571317482	124	Fine-Tuning Ternary BitNet b1.58 for Medical Question Answering: A Comparison with LoRA-Adapted Llama 3.2	**Abdellah HMADE**, Ibrahim Guelzim, Badr Hirchoua, Hammadi Nait-Charif
15	16:10 - 16:30	1571327081	165	Validating GenAI Event Extraction from Police Crash Narratives Using Trained Double Coding and Expert Adjudication: A Pilot Protocol-Validation Case Study	**MD Didarul Alam**, Luqman Ali, Abdul Rahman Masoud , Ammar Aljasmi, Hammad AlJassmi
16	16:30 - 16:50	1571327647	112	Transparent Credit-Risk Models Without a Cost Penalty: A Decision-Cost Evaluation of Interpretable Scoring for Regulated Lending	**Muteb Ahmed Almihbash**
17	16:50 - 17:10	1571331147	154	Tri-Modal Clinical Evidence Retrieval: A Methodological Framework and Review	**Sk Ahammad Fahad**, Akshita Abrol, Aik Beng Ng, Simon See, Zhengkui Wang
18	17:10 - 17:30	1571332165	257	Fine-Tuning Large Language Models for Malay-to-English Translation: A Comparative Study	**Amil Hakim Anuar**, Sabrina Tiun, Anis Nadiah Che Abdul Rahman, Fadhilah Rosdi

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 1 | Virtual

Venue: Workshop A Hall, Ground Floor
Time: 15:30-17:30 | Saudi Arabia (UTC+3)
Track: Intelligent Systems, Embedded AI, and Cyber Technologies
Session chair: Assoc.Prof. Dr .Tawfeeq Alsanoosy

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
19	15:30 - 15:50	1571320289	119	Risk-Aware AI-Governed Penetration Testing for Cyber Resilience in Regulated Environments	Mourad Benmalek, Abdessamed Seddiki, Waleed Almatrafi, Abdulrahman Alobaysi, **Yousf Aldhafiri**, Yousf Althubiti
20	15:50 - 16:10	1571320449	118	Action-Criticality and Review-Budget-Aware Calibrated Triage for Prompt-Injection Handling in LLM-Agent Pipelines	**Hazm Talab**
21	16:10 - 16:30	1571328970	201	RBF-Based Adaptive Sliding Control for Exoskeleton Torque Compensation with Unknown Time-Varying Parameters	**Abdulbasid Ismail Isa**, Mukhtar Fatihu Hamza, Aminu Zimi, Abba Uba Said
22	16:30 - 16:50	1571331398	256	What Makes PhiUSIIL Easy? Subset Construction and the Limits of a Widely Used Phishing URL Benchmark	**Khalid Alalawi**
23	16:50 - 17:10	1571337187	246	A Hybrid Cybersecurity Governance Framework for AI-Enabled Public Transit Systems	**Gahangir Hossain,** Bryan Anderson
24	17:10 - 17:30	1571343684	263	CADVA: A Confidence-Aware Multi-Agent Framework for Explainable Software Vulnerability Detection	**Abdulmajeed Aljuhani**

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 2 | In-person

Venue: Workshop B Hall, First Floor
Time: 17:45-19:05 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Dr. Samer Bamansoor

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
25	17:45 - 18:05	1571334643	177	PQ-HMedAgg: A Post-Quantum Secure Hierarchical Federated Learning Framework for Heterogeneous Cancer Diagnosis	Sultan Khan Patan, Yaseen Shaik, Ajay Bhardwaj, **Mohammad Abdussami**, Ruhul Amin, SK Ismail
26	18:05 - 18:25	1571333045	132	An NDMO-Inspired, SAMA-Aware, Human-Gated Classifier for Saudi Banking Metadata: Auditable, Impact-Driven, Sovereign-by-Design	**Rashad Kamsheh**
27	18:25 - 18:45	1571335383	259	An Adoption-Aware Cloud Computing Reference Architecture for SME E-Commerce in Saudi Arabia	**Ibrahim Alfadli**
28	18:45 - 19:05	1571336031	261	Adaptive AI Traffic Optimisation: Evaluating Deep Reinforcement Learning against Fixed-Time Controllers in Complex Urban Topologies	**Mohamed Al Korbani,** AbdulRahman Alsewari

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 2 | In-person

Venue: Workshop C Hall, First Floor
Time: 17:45-19:05 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Prof. Dr. Salwani Abdullah

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
29	17:45 - 18:05	1571344056	194	A Human-Validated Saudi Arabic Intent Benchmark Dataset with Leakage-Aware Splits and Evaluation Across Dialects and Model Families	**Mohammed A. Alawfi**, Yasir M. Althubyani, Abdulrahman M. Almutairi, Ibrahim F. Moawad
30	18:05 - 18:25	1571344407	265	Language-Guided Knowledge Distillation for Compressed Video Swin Transformer Model for Real-Time Driver Distraction Detection	**Lina Noaman Alkhatib**, Ghulam Muhammad
31	18:25 - 18:45	1571344477	197	A Systematic Literature Review of Counterfactual Fairness Testing	Abba Hali, **Shuib Basri**, Abdullateef O. Balogun, Hussaini Mamman, Surajo Yusuf, Aliyu Muhammad Zabi
32	18:45 - 19:05	1571344930	231	Calibration-Efficient Taylor-Based Attention-Head Pruning in BERT	**Adil Yousif**

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 2 | Virtual

Venue: Small Hall, Ground Floor
Time: 17:45-19:05 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Assoc.Prof.Dr. Maher Alharby

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
33	17:45 - 18:05	1571332476	253	A Cross Algorithm Evaluation of Diversification Mechanisms for Combinatorial Test Suite Generation	**Ali Abdullah Hassan**, Salwani Abdullah, Kamal Z. Zamli, Rozilawati Razali
34	18:05 - 18:25	1571334542	250	Topology-Dependent Fragility in Cross-Model Transfer of Multi-Agent LLM Configurations	**Mawal A. Mohammed,** Sumaia Mohammed AL-Ghuribi, Shahrul Azman Mohd Noah
35	18:25 - 18:45	1571334555	160	A Two-Phase Workflow for Evaluating Bibliographic Reliability and Semantic Alignment of LLM-Generated Citations	**Faria Islam Leha**, Ravie Chandren Muniyandi, Opeyemi Lateef Usman
36	18:45 - 19:05	1571334768	176	Offline Reinforcement Learning Does Not Outperform Clinician Insulin Dosing in a General ICU Cohort: A Reproducible Benchmark and Off-Policy Evaluation	Baseem Al-Athwari, **Tirop Meshack**, Ajax Don Christ Ndikuriyo, Nshimirimana Albert

Detailed Technical Session Schedule

3 November 2026 | Parallel Session 2 | Virtual

Venue: Workshop A Hall, Ground Floor
Time: 17:45-19:05 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Dr. Modhawi Salah Alotaibi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
37	17:45 - 18:05	1571344362	264	Faithfulness Is Not Enough: Dual-Mode Advisory Evaluation for Safety-Critical RAG	**Alfi Diyana Ngu Binti Mohd Faris Ngu**, Joanne Wan Chuin Jong, Zhi An Ling, Miko May Lee Chang
38	18:05 - 18:25	1571344385	237	Medani Emotional Speech Dataset: A Sudanese Speaker Resource for Speech Emotion Recognition Using Modern Standard Arabic	Abobakar Ahmed, Maaz Noureldeen, **Inshirah Idris**, Taqwa A. Alhaj
39	18:25 - 18:45	1571344394	196	Cross-Layer Provenance for Agentic RAG: Preserving Identity Continuity Across Ingestion, Execution, and Feedback	**Zhi An Ling**, Joanne Wan Chuin Jong, Alfi Diyana Ngu Binti Mohd Faris Ngu, Miko May Lee Chang
40	18:45 - 19:05	1571344490	234	An AI-Assisted Quantum-Inspired Encryption Framework for Color Aerial Images	Hairulnizam Mahdin, **Abdul Rehman Altaf**, Awais Mahmood, Izzatdin Abdul Aziz, Muhammad Hassan, Abdullah Altaf

Detailed Technical Session Schedule

4 November 2026 | Parallel Session 3 | In-person

Venue: Workshop B Hall, First Floor
Time: 10:30-13:10 | Saudi Arabia (UTC+3)
Track: Applied and Domain-Specific AI
Session chair: Assoc. Prof. Dr. Suhaila Zainudin

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
41	10:30 - 10:50	1571319308	123	AI-Driven Chromatic ECG Representation for Automated Arrhythmia Classification	**Ziyad Almajali**, Ali Alqatawneh
42	10:50 - 11:10	1571322037	254	NetFlowBench-Mini: A Reproducible Stealth-Aware Mini-Benchmark for Evaluating Lightweight AI Models in Network Threat Detection	**Weam M. Binjuma**
43	11:10 - 11:30	1571324549	102	Optimized YOLOv8 Framework for Automated Detection of Pomacentridae Species in Coral Reefs	Mohammad Shamsuddin, Wan **Nural Wan Yussof,** Muhammad Hitam, Ezmahamrul Awalludin, Muhammad Afiq-Firdaus Aminudin, Zainudin Bachok
44	11:30 - 11:50	1571325558	106	A Real-Time Human Activity Recognition and Indoor Positioning Framework for Elderly	**Abrar S. Alhazmi,** Tawfik Ismail
45	11:50 - 12:10	1571326476	109	Benchmarking Arabic Text Representation Methods for Automated Depression Detection	**Alwan Atta,** Dina El Sayad, Doaa Ezzat, Safaa Amin, Mahmoud El Gamal
46	12:10 - 12:30	1571333059	162	TierGuard: A Deterministic Triage-and-Abstention Baseline for Article 5, Annex III and Article 50 of the EU AI Act	**Rashad Kamsheh**
47	12:30 - 12:50	1571323477	104	A Conceptual Federated Learning Framework for Privacy-Preserving and Communication-Efficient Chest X-ray Classification under Non-IID Data	**Muhammad Yaqoob,** Juliana Jaafar
48	12:50 - 13:10	1571331347	156	An XAI-Driven Continuous ESG Auditing Framework for Industrial Water Liability Management	**Inaliah Mohd Ali,** Noorlin Mohd Ali

Detailed Technical Session Schedule

4 November 2026 | Parallel Session 3 | In-person

Venue: Workshop C Hall, First Floor
Time: 10:30-13:10 | Saudi Arabia (UTC+3)
Track: Applied and Domain-Specific AI
Session chair: Assoc.Prof.Dr. Ayman Noor

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
49	10:30 - 10:50	1571331944	159	Toward Intelligent Autonomous Search and Rescue: A Deep Learning-Enabled Rotary UAV Framework	**Shujaa Alotaibi,** Sultan Ghazi Alanazi, Faisal Hussian Al-Dosari, Nasser Ibrahim Al-Dosari, Saud Alhajaj Aldossari
50	10:50 - 11:10	1571332380	145	When the Model Will Not Stand Still: A Regulatory Gap Analysis and a Continuous-Conformity Approach for Machine-Learning-Enabled Medical Device Software	**Rashad Kamsheh**
51	11:10 - 11:30	1571336292	186	Artificial Intelligence for Smart Campus Transformation in Higher Education: Applications, Readiness and Responsible Governance	**Mohd Rashid Abu Bakar,** Jasni Mohamad Zain, Mohamed Ameedeen
52	11:30 - 11:50	1571344872	180	MoodRhythm: AI Music Generator Based on Real-Time Emotion	**Suzannah Pancer,** Zarina Che Embi, Afzan Adam
53	11:50 - 12:10	1571341890	141	AI-Driven Industrial IoT for Precision Agriculture: A Random Forest Field Validation Toward Adaptive Irrigation Control	Heru Nurwarsito, Didik Suprayogo, **Nur Hazbiy Shaffan,** M. Tamim Habibi
54	12:10 - 12:30	1571344705	199	Generative Artificial Intelligence and the Copyright Legal System in Malaysia and Saudi Arabia: A Comparative Study and the Way Forward	**Muhamad Helmi Khair**, Rohazar Wati Zuallcobley, Siti Hafsyah Idris, Nur Amirah Arifah Hanawi, Jasni Mohamad Zain, Norsyazrah Zulkifli
55	12:30 - 12:50	1571344845	181	Hybrid Methods for Implicit Aspect Identification: A Focused Task-Aware Review	Mohammad Kabir, Nor Samsiah Sani, Md Akizur Rahman, Zulaiha Ali Othman, **Md. Rokonuzzaman**
56	12:50 - 13:10	1571345035	218	A Quantum-Enhanced Digital Twin Framework for Intelligent Semi-transparent Agrivoltaic Greenhouses toward Sustainable Food-Energy Systems	Mohammad Nur-E-Alam, **Md. Rokonuzzaman,** Mohammad Khairul Basher, Narottam Das, Atiqur Rahman, Mohammad Aminul Islam, Syed Mohammed Shamsul Islam, Mohammad Tariqul Islam

Detailed Technical Session Schedule

4 November 2026 | Parallel Session 3 | Virtual

Venue: Small Hall, Ground Floor
Time: 10:30-13:10 | Saudi Arabia (UTC+3)
Track: Applied and Domain-Specific AI
Session chair: Prof. Dr. Mohamad Alsareem

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
57	10:30 - 10:50	1571321772	127	Architecture-Dependent External-Factor Integration for SME Sales Forecasting with LSTM and Temporal Fusion Transformer	Farhan Ahmad Nurzi, **Zalinda Othman**
58	10:50 - 11:10	1571322172	125	Comprehensive Benchmarking of Deep Learning Architectures for Lung Cancer Histopathology	**Hadi Hasan,** Safaa Salman, Lama Sleem, Ralph Mouawad, Ali Chehab
59	11:10 - 11:30	1571322931	103	Improved Quantum Machine Learning Model for Bone Fracture Detection	**Syed Abdul Rafay,** Syed Abdullah Basit, Tanvir Alam
60	11:30 - 11:50	1571339034	138	Two-Stage Machine Learning for Fault Detection and Diagnosis in Off-Grid PV Systems	**Namthip Wannakajeepiboon**, Samer Bamansoor, Essa Q. Shahra, Florimond Gueniat, Sandeep Dhundhara, Cham Athwal
61	11:50 - 12:10	1571326261	107	Texture-Aware Self-Supervised Mechanisms for Discriminative Representation Learning on Steel Surface Textures	**Zhang Yue,** NZ Jhanjhi, Arafat Al-Dhaqm, Humaira Ashraf
62	12:10 - 12:30	1571326635	114	Operational Generative AI Architectures in Tourism: A PRISMA-Guided Systematic Literature Review	**Mohd Yasim A.H.,** Mohd F., Man Hong L., Abdullah F.A., Hasbolah H.
63	12:30 - 12:50	1571331216	155	Leveraging Large Language Models for Automated Experimental Design: Evaluating LLMs in a Lang Chain Framework	**Sikandar Ali,** Roberto Ciccocioppo, Massimo Ubaldi, Salem Alotaibi, Fabio Casarola, Matteo Piersantelli
64	12:50 - 13:10	1571332112	143	LLM-SKAF: An AI-Enabled Framework for Strategic Knowledge Assessment and Learner Profiling in Problem-Based Programming	**Siti Sarah Khalib,** Siti Fadzilah Mat Noor, Tengku Siti Meriam Tengku Wook, Kauthar Mohd Daud

Detailed Technical Session Schedule

4 November 2026 | Parallel Session 4 | In-person

Venue: Workshop B Hall, First Floor
Time: 16:00-18:40 | Saudi Arabia (UTC+3)
Track: Applied and Domain-Specific AI & Intelligent Systems, Embedded AI, and Cyber Technologies
Session chair: Assoc.Prof.Dr. Hamza Ghandorh

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
65	16:00 - 16:20	1571319666	122	A Comparative Study of Transformer Based Models for Sentiment Classification of Food Delivery Reviews: A Case Study of Talabat	**Mohammad Tubisha,** Ahed Abugabah
66	16:20 - 16:40	1571329162	275	Generative Artificial Intelligence as a Catalyst for Innovation in Visual Arts: Framework and Empirical Evidence	**Manal Alhomaid**
67	16:40 - 17:00	1571327823	113	Measuring What Accuracy Misses: Cross-Lingual Consistency of LLMs on the Saudi PDPL and the GDPR	**Noura Suliman Alrajeh**; Miada Ahmed Almasre
68	17:00 - 17:20	1571332295	206	A Hybrid Neuro-Symbolic Architecture for Deterministic Banking Compliance Verification Using LLMs and SMT Solvers	Vedika Agrawal, **Ruhul Amin**
69	17:20 - 17:40	1571332983	130	Codebook-Boundary Attacks on Masked VQ-VAE Semantic Communication Systems	Joyal K Biju, **Mohammed Zafar Ali Khan**
70	17:40 - 18:00	1571334614	212	Post-Quantum Secure Personalized Federated Learning with Adaptive Confidence Aggregation for Heterogeneous Multimodal Data	**Sultan Khan Patan**, Azhar Arqham Shaik, Vishnu Mattakoyya, Mohammad Abdussami, Ajay Bhardwaj, Ruhul Amin, SK Ismail
71	18:00 - 18:20	1571338103	244	Accelerating Embedded LLM Inference on Autonomous Mobile Robots on a Multi-FPGA Cluster	Ahmed Marzouk, **Omar Hammami**
72	18:20 - 18:40	1571341681	242	MCU-Observable I2C Communication Macro-Behavior for IoT Sensor Fault Detection	**Atef Allam**

Detailed Technical Session Schedule

4 November 2026 | Parallel Session 4 | In-person

Venue: Workshop C Hall, First Floor
Time: 16:00-18:40 | Saudi Arabia (UTC+3)
Track: Intelligent Systems, Embedded AI, and Cyber Technologies & Emerging ICT, Data, and Immersive Technologies
Session chair: Dr. Samah Aloufi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
73	16:00 - 16:20	1571341728	205	Toward Embedded Edge AI for Smart Irrigation 5.0: An LSTM-Fuzzy Framework over a Field-Validated IIoT Platform	**Heru Nurwarsito,** Rakhmadhany Primananda, Nur Hazbiy Shaffan, Cahyo Prayogo, Hairulnizam Mah
74	16:20 - 16:40	1571342877	240	LSTM-Based Sequential Behavioral Analysis for Detecting Evasive Malware in Sandbox Environments	**Arwa Alhakami**, Abdulmonem Alshahrani
75	16:40 - 17:00	1571344919	268	An Explainable Intrusion Detection Framework Using Temporal NetFlow Features	**Wael Said**, Yasser Alginahi, Omar Sabri
76	17:00 - 17:20	1571331513	274	A Metamodel-Driven, Adaptive, and Explainable Artificial Intelligence Framework for Mobile Threat Detection and Forensic Readiness	**Taghreed Algaisi**
77	17:20 - 17:40	1571332662	258	Context-Aware Fuzzy Reward Shaping for PPO-Based Autonomous Mobile Robot Navigation	**Mohd Zaid**, Azhar Mohd Ibrahim, Amir Shafie, Samah Aloufi
78	17:40 - 18:00	1571319770	169	AI-Assisted Program Slicing for Dead Code Detection and Elimination	**Mohammad Abdallah**, Mousa Salah, Khalid Jaber, Daniel Staegemann, Anas Al-Rahamneh
79	18:00 - 18:20	1571332860	148	Pragmatic De-Labelling: A Data-Driven Agenda for Measuring Agile Adoption	**Rashad Kamsheh**
80	18:20 - 18:40	1571332991	251	OphthaMS-LLM: A Domain-Adapted Language Model for Neuro-Ophthalmic Manifestations of Multiple Sclerosis	**Muhammad Aqib** Anwar, Tanvir Alam

Detailed Technical Session Schedule

4 November 2026 | Parallel Session 4 | Virtual

Venue: Small Hall, Ground Floor
Time: 16:00-18:40 | Saudi Arabia (UTC+3)
Track: Applied and Domain-Specific AI
Session chair: Assoc. Prof. Dr. Ibrahim Alfadli

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
81	16:00 - 16:20	1571334632	135	Toward Intelligent Cardiovascular Digital Twins: A Multimodal AI Framework for Continuous Monitoring and Precision Cardiac Care	**Iram Rafiq,** Mohammad Ahsan Chishti, Asif I. Baba
82	16:20 - 16:40	1571335303	175	Hybrid Knowledge Graph and Dense Vector Retrieval for Multi-Hop Question Answering	**Vigneshwarr Venkatesan**
83	16:40 - 17:00	1571340716	139	Intelligent Photovoltaic Defect Classification: A Comparative Study of Transfer Learning CNN Architectures	**Naveed Anwar,** Aziza I. Hussein, Thangavel Bhuvaneswari, Ervina Efzan Mhd Noor
84	17:00 - 17:20	1571341792	140	Spatial-Temporal Hybrid Architectures for Resilient Deepfake Detection	**Afnan Mohammed Ali Abdullah,** Mohd Nor Akmal Khalid
85	17:20 - 17:40	1571344252	182	Fine-Tuning Small Encoders versus Frontier-Scale LLMs for ICD Coding of Code-Switched Malay-English Cardiovascular Records	**Muhammad Danish Aqil, Ezzatul Akmal**, Nor Nadiah Yusof, Sharifalillah Binti Nordin, Azlinah Mohamed
86	17:40 - 18:00	1571344386	221	A Survey of Intelligent Assistive Systems for Visually Impaired Individuals and a Future Social-Aware Architecture	**Safaa Alahmadi**, Abdullah Alsaeedi
87	18:00 - 18:20	1571344763	200	Recommendation System for Personalised Skincare Using Mamdani Fuzzy Inference (RSMFI)	**Noorhuzaimi Noor**, Noorlin Mohd Ali, Suryanti Awang, Nik Akif Danis Sahazerim, Junaida Sulaiman, Abhijit Bhowmik
88	18:20 - 18:40	1571326195	108	Privacy Scorecard Chrome Extension for Real-Time Web Privacy and Security Assessment Using Machine Learning Techniques	**Shaikha Jamal Almansouri,** Sabha Mubarak Bujaloof, Alshaymaa Saleh Mathala, Shafii Muhammad Abdulhamid, Abdullah Hussein Al Ghushami

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 5 | In-person

Venue: Workshop C Hall, First Floor
Time: 09:00-11:20 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Assoc. Prof. Dr. Zalinda Othman

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
89	09:00 - 09:20	1571351224	271	Robustness and Reliability of Large Language Models under Arabic Linguistic Variation	**Reem Altamimi**
90	09:20 - 09:40	1571351360	270	Silent Speech Recognition in Arabic Using AV HuBERT and Triplet-Loss Embeddings	**Mohamed Gamar**, Oubai Altaki, Noureddin Kanjo, Baraa Khaled, Sanan Abdul Muneem, Ibrahim Moawad
91	09:40 - 10:00	1571328297	150	Arabic Medical Question Severity Classification: A Comparative Study Using CNN, AraBERT, and GPT-4o-mini	**Enas Abdulrahman Alrehaili**, Areej Alhothali
92	10:00 - 10:20	1571331841	158	Using Artificial Intelligence, Internet of Things, and Digital Twin Base Energy Management in Buildings: A Saudi Arabia Focused Literature Review	**Miassar Bakri**
93	10:20 - 10:40	1571335606	277	Security Vulnerabilities in AI-Generated Code: A Systematic Literature Review and Vulnerability Patterns Analysis	**Bader Hammad Alkhattabi**; Abdullah Alsaeedi
94	10:40 - 11:00	1571326830	276	Scrolling in Algorithmically Curated Feeds: ShortForm Video Use, Compulsive Engagement, and Perceived Cognitive Disruption Among University Students	**Mohammad Albuhairy**
95	11:00 - 11:20	1571350934	224	Enhanced Cuckoo Search with Adaptive Perturbation for Faster Convergence	**Mohammed Alasli**, Wael G. Alheadary

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 5 | Virtual

Venue: Workshop B Hall, First Floor
Time: 09:00-11:00 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Dr. Rehab Albeladi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
96	09:00 - 09:20	1571330232	153	Acoustic Speech Phenotyping for REM Sleep Behavior Disorder: A Digital Biomarker of Parkinson's Disease Risk	Saeed Bin Tanveer, Saleh Musleh, **Tanvir Alam**
97	09:20 - 09:40	1571332772	147	Empathy-Aligned: Direct Preference Optimization for Empathetic Response Generation in Arabic	**Afnan Alkhathlan**, Abdulrahman A. Mirza
98	09:40 - 10:00	1571322589	101	Benchmarking Deep Learning Models for Bilingual Malaysian Political Fake News Detection on a Large-Scale Multi-Source Corpus	**Nirase Fathima Abubacker**, Raheem Mafas, Ghaarib Khurshid, SY.Yuliani Yakub, Kemas Rahmat Saleh Wiharja
99	10:00 - 10:20	1571333120	134	Navigating the Shift to AI-Driven Functional UI Testing: A Systematic Review	**Salma Mouayad**, Khalid Moussaid, Zouhair Chiba
100	10:20 - 10:40	1571335192	136	Adaptive Pruning Mechanisms in ANFIS for Software Defect Prediction Based on Rule Collaborative Optimization	**Abdullah Nasser**, Antar S. H. Abdul-Qawy, Rajarshi Roy Chowdhury, Waheed Ali H. M. Ghanem, Sanaa Ghaleb, Nayef Abdulwahab Mohammed Alduais, Abdul-Malik H Y Saad, Debashish Roy, Yahya Nasser
101	10:40 - 11:00	1571330868	152	SENTINEL-OWIDS: A Self-Evolving Open-World Intrusion Detection Framework	Prachee Dewangan, Ruhul Amin, **SK Ismail**

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 5 | Virtual

Venue: Small Hall, Ground Floor
Time: 09:00-11:00 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Dr. Alaa Alharbi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
102	09:00 - 09:20	1571338689	137	Reliable Financial Named Entity Recognition under Domain Shift: Confidence Estimation and Selective Prediction	**Zihao Zheng,** Baichuan Li, Junyi Yao, Jiayu Long
103	09:20 - 09:40	1571335419	174	Re-Benchmarking Arabic Manuscript OCR with a Modern Vision-Language Model and Evaluating Diacritization Restoration on an Independent Expert Benchmark	**Bashaer Abdullah Alsaidalani**
104	09:40 - 10:00	1571335607	260	Learning to Detect Cryptographic Defects in Ethereum Smart Contracts from Bytecode	**Mawal A.Mohammed,** Sumaia Mohammed AL-Ghuribi, Shahrul Azman Mohd Noah
105	10:00 - 10:20	1571337205	192	Benchmarking Claude Fable 5 Against Opus, Sonnet, and Haiku on Difficulty-Stratified Codeforces Problems	**Bedirhan Köksoy**, Ali Paşaoğlu, Sara Pournaji İran
106	10:20 - 10:40	1571337375	187	Comparative Evaluation of Large Language Models on Tabular Weather Classification Tasks of Varying Difficulty	**Bedirhan Köksoy**, Ali Paşaoğlu, Sara Pournaji İran
107	10:40 - 11:00	1571339954	188	Arabic Named Entity Recognition: A Weighted Cross-Entropy Approach	Manar Alsehaimi, **Nada Alghazzi**, Norah Aloufi, Wael M.S. Yafooz

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 6 | In-person

Venue: Workshop B Hall, First Floor
Time: 11:15-12:55 | Saudi Arabia (UTC+3)
Track: Emerging ICT, Data, and Immersive Technologies
Session chair: Assoc.Prof.Dr. Maher Alharby

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
108	11:15 - 11:35	1571344647	198	Effectiveness of Augmented Reality Interactive Care (ARiCare) Application in Enhancing Body Awareness Performance and Engagement for Children with Autism through Guided Inquiry-Based Learning	**Norsafinar Rahim,** **Aliyatul Nisha** **Muhazli**
109	11:35 - 11:55	1571314383	128	Comparative Analysis of Regression Models vs. Long Short-Term Memory for Predicting T80 Lifetime in Dye-Sensitized Solar Cells	**Mohamed** **Aboshady**, Hanan Haj Ahmed, Sameh Abdullatif
110	11:55 - 12:15	1571344171	272	Towards Cognitively Accessible Mobile Learning Interfaces for Children with Dyslexia: Theory Grounded Design Considerations	**Siti Faizah** **Miserom**, Tengku Siti Meriam Tengku Wook, Siti Fadzilah Mat Noor, Saifuddin Mohtaram
111	12:15 - 12:35	1571319615	223	AI Adoption in Omani Hydroponics: A TOE-Based Thematic Analysis	Duaa Al Ghafri, **Abdulaziz** **Aborujilah**, Samir Hammami
112	12:35 - 12:55	1571343789	239	A Forecasting Model for Private Vehicle Ownership in Malaysia Using the PCA-Logistic Model Approach	Mohd Azwari Bin A Aziz, **Suhaila Zainudin**, Nazatul Aini Abd Majid, Nur Izyan Yasmin Saat

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 6 | Virtual

Venue: Small Hall, Ground Floor
Time: 11:15-12:55 | Saudi Arabia (UTC+3)
Track: Smart Cities
Session chair: Dr. Rehab Albeladi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
113	11:15 - 11:35	1571320991	116	Deep Reinforcement Learning for Real-time Multiobject Tracking in Smart Cities	**Mukhtar M. E. Mahmoud,** Abdulgader Z. Almaymuni, Mohammed A. Saleh
114	11:35 - 11:55	1571326620	214	ParcelForge: A Configurable Open Framework for Generating and Stress-Testing Delivery Risk Prediction Benchmarks in Smart City E-Commerce	**Omair Ameerbakhsh**
115	11:55 - 12:15	1571331508	157	SnapScope: A Platform for City-Scale Collection and Exploration of Public Snap Map Data	**Mohammed Almukaynizi,** Fahad Alhaqbani, Khaled Almarzoug, Sultan Alanbari
116	12:15 - 12:35	1571323345	167	AI-Enabled Telecommunications Infrastructure for Smart Cities: A Framework for Intelligent Network Management and Urban Connectivity	**Saad Nasharti**
117	12:35 - 12:55	1571344621	232	Benchmarking Machine Learning Algorithms for Software Maintenance Effort Estimation: A Multi-Dataset Evaluation Toward an Explainable Model	**Mohd Syahmi** Mustapha, Azlin Ahmad, Nor Nadiah Yusof, Azlin Ramli

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 6 | Virtual

Venue: Workshop A Hall, Ground Floor
Time: 12:15-13:15 | Saudi Arabia (UTC+3)
Track: Emerging ICT, Data, and Immersive Technologies
Session chair: Prof. Dr. Ibrahim Moawad

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
118	12:15 - 12:35	1571341690	262	Towards Smarter Fitness: A System Framework Combining AR and AI for Posture Correction and User-Centered Exercise Guidance	**Hadeel Al-Dawsari**, Rimas Alanzan, Hajar Alswaidan, Helah Almansour
119	12:35 - 12:55	1571332518	146	SwarmGaussian++: Communication-Efficient Temporal Gaussian Synchronisation for Distributed Aerial Reconstruction	Yao Yeboah, **Zeyad Farisi**, Ramon Lara Tondorf, Joseph Teye Ignatius Buertey, Kwabena Agyapong-Kodua
120	12:55 - 13:15	1571341393	193	Novel Saliency Based Image Compression Standard Considering Advertisement Content	Siva Rajesh Chiluveru, **Venkata Sumanth Siddareddy**, Rabindra Narayan Chakraborty, Shuvendu Rana

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5 November 2026 | Parallel Session 6 | Virtual

Venue: Workshop C Hall, First Floor
Time: 11:20-13:20 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI and Applied and Domain-Specific AI
Session chair: Prof. Dr. Mohamad Alsareem

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
121	11:20 - 11:40	1571344416	235	An Intelligent Academic Advising System Based on Association Rule Mining for Libyan Secondary School Students	**Mohammed Ahzaz,** Mohammed Shantal, Wael Alzoubi, Almahdi Alshareef
122	11:40 - 12:00	1571319979	120	Acceptance and Technical Challenges of Digital Jāwī and 'Arabic Transliteration in Malaysia: A Survey-Based Analysis of 45 Teachers	**Asar Bin Abdul Karim**, Aziman Abdullah, M. Mujib Anuar, Awanis Romli, Affendy Omardin
123	12:00 - 12:20	1571344359	269	A Comparative Evaluation of BERT and BERT-CRF Architectures for Named Entity Recognition in Malay Health Text	**Hafsah**, Saidah Saad, Lailatul Qadri Zakaria
124	12:20 - 12:40	1571344896	179	Graph-Grounded Generative User Interfaces for Learning: Retrieval Structure Determines Interface Expressiveness	**Fakhrul Azim Bin Ahmed Mardzukie**
125	12:40 - 13:00	1571351815	215	MALAR-AI: Development of a Web-Based AI-Assisted Platform for Malaria Blood-Smear Screening	Mus'ab Manan, Mus'ab Sahrim, Ahmad Abid Abas, **Nurul Azmawati Mohamed**, Hakimi Yunus, Mohd Ammar Ihsan Ahmad Zamzuri, Liyana Azmi, Muhammad Aizat Hakim Hashim
126	13:00 - 13:20	1571350249	217	SEHCO: Ontology-Driven Semantic Edge Intelligence for Context-Aware Healthcare Service Orchestration in B5G/6G Networks	Halima Benhebirache, Aicha Korichi, Meriem Korichi, Marwa Meissa, Ramla Bensaci

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 7 | Virtual

Venue: Small Hall, Ground Floor
Time: 14:00-15:20 | Saudi Arabia (UTC+3)
Track: Applied and Domain-Specific AI & Intelligent Systems, Embedded AI, and Cyber Technologies
Session chair: Dr. Samah Aloufi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
127	14:00 - 14:20	1571342981	142	Explainable Optimized XGBoost-SMOTE Framework for Mortality Prediction in Heart Failure Patients Using Balanced Structured Clinical Records	**Md Ershadul Haque**, Faranak Tohidi, Md. Farhad Hossain
128	14:20 - 14:40	1571320633	117	Beyond Functional Utility: An Integrated UTAUT-TTF Perspective on the Social and Functional Drivers of AI Adoption in Higher Education	**Iva Khoiril Mala**, Dediek Tri Kurniawan, Yesiana Ihda Kusnayain
129	14:40 - 15:00	1571332168	144	Continuous STEAM Education Through Programming, Robotics, and Computational Modeling	**Gulbanbegim Jamolova**, Mirsaid Aripov, Jalolova Pokiza Muzapharovna, Kobilova Nilufar Xudoyshukurovna
130	15:00 - 15:20	1571344554	220	RaPhiD: RAG-Based Phishing Email Detection for K-12 Cyber Literacy with Dual-Index Poisoning Robustness Evaluation	**Tayiba Raheem,** Indira Priyadharshini Sundarrajan, Ajay Gottipati, Gahangir Hossain

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 7 | Virtual

Venue: Workshop A Hall, Ground Floor
Time: 14:00-15:20 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI
Session chair: Dr. Sakhaa Al-Saadi

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
131	14:00 - 14:20	1571344935	230	Benchmarking Vision-Language Models for Heritage Crack Detection at Al Qattara Oasis, UAE	Fatima Saeed Alneyadi, **Kholoud Khatib Khatibi**, Nayla Al Nuaimi, Abdul Rahman Masoud, Luqman Ali, Fady Alnajjar, Adriaan De Man, Hamad AlJassmi
132	14:20 - 14:40	1571351736	216	A Data-Driven Solution for SME Development in Saudi Arabia: Analyzing Regional Disparities and Guiding Investment in Line with Vision 2030	**Narjis Bin Tayeb**, Nirase Fathima Abubacker, Baraka Saleh Yaslam Bin Tayeb, Seham Saleh Yaslam Bin Tayeb
133	14:40 - 15:00	1571328375	151	An AI-Driven Approach to DDoS Detection and Mitigation in SDN Environments	**Dalila Boughaci**; Nour El-Houda Bourouhou
134	15:00 - 15:20	1571332992	131	Explainable AI-Based Crowd Density Classification Framework Integrating a Transportation Decision Model for Hajj Crowd Management	**Afnan A. Shah**

Detailed Technical Session Schedule

5 November 2026 | Parallel Session 7 | Virtual

Venue: Workshop B Hall, First Floor
Time: 14:00-15:20 | Saudi Arabia (UTC+3)
Track: Intelligent Systems, Embedded AI, and Cyber Technologies
Session chair: Assoc. Prof. Dr. Liyakathunisa Syed Ayub Ansari

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
135	14:00 - 14:20	1571344837	267	AI-Based Prompt Injection Attacks Detection and Large Language Models: A Survey	**Amal Aljabri,** Hamza Ghandorh , Wael M.S. Yafooz
136	14:20 - 14:40	1571344938	229	Relative Trust-Weighted Federated Learning for Robust IoT Intrusion Detection	**Samya Chahid**, Yassine Maleh, Mohamed Lahby
137	14:40 - 15:00	1571344939	228	A Multi-Source AI Framework for Communication Outage Detection and Forecasting	**Faris Alotibi**
138	15:00 - 15:20	1571343705	208	When GenAI Use Goes Unseen: Shadow AI, Knowledge Hiding, and Governance Risks in SMEs	**Kishore Bitra**

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5 November 2026 | Parallel Session 7 | Virtual

Venue: Workshop C Hall, First Floor
Time: 14:00-15:20 | Saudi Arabia (UTC+3)
Track: Foundations and Frontiers of AI & Intelligent Systems, Embedded AI, and Cyber Technologies
Session chair: Prof Dr. Ibrahim Moawad

#	Time	Paper ID	MCAIT 2026 #	Paper title	Authors
139	14:00 - 14:20	1571343337	273	Projected Multimodal Fusion of Text and Image Embeddings for Binary and Fine-Grained Fake News Detection	**Omar Bashaddadh**, Masnizah Mohd, Sabrina Tiun, Nazlia Omar
140	14:20 - 14:40	1571344350	195	APGEM: Adaptive Policy-Guided Error Mitigation for Quantum Reinforcement Learning on a Real-World CVRP Case Study	**Shabir Ahmad Sofi,** Bisma Majid, Mir Mohammad Yousuf
141	14:40 - 15:00	1571344132	238	Beyond Closed-Set Detection: Unseen-Family Generalization and Few-Shot Recovery on CICIoT2023	**Shahid Manzoor**, Naif Alrashdi, Ahmed Alghamdi
142	15:00 - 15:20	1571344751	266	Grounding Large Language Models for Malay Proverb Interpretation Through Retrieval-Augmented Generation	**Fadhilah Rosdi**, Charity Ojochogwu Egbunu, Sabrina Tiun, Wan Fariza Fauzi, Junaini Kasdan, Abdul Hadi Abd Rahman