

Day 1 (Wednesday, April 26)

| Paper # | Title | Author(s) | Affiliation | Country |
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| 3 | An Investigation About User Preference in Smartphone Free Applications | Abeer Albadri, Tanzila Saba | Prince Sultan University | KSA |
| 5 | Phrase Finder: Finding Phrases within Audio Files | Rafah Fililan and Aisha Ayoub | King Abdulaziz University | KSA |
| 8 | Cloud Computing in Higher Education | Sara Alsulaiman and Amal Alsubaie | Prince Sultan University | KSA |
| 9 | Bionic Limbs: Features, Challenges, and Opportunities | Nouf Adel Ahmed Abdulla Alameri and Abdallah Tubaishat | Zayed University | UAE |
| 10 | Investigating the Key Success Factors of Knowledge Management Systems in Dubai Electricity and Water Authority | Mohamed N. A. Abdelhakim, Yusr Mosa, Asma Alrais, Alia Al Asmawi, Hamda Abbas and Latifa Binjarsh | Jumeira University | UAE |
| 11 | ABDR: A Luggage Check-In Application | Shorouq Basnawi, Sarah Alghamdi, Amnah Mousa, Mona Abdulbaqi and Shahad Sait | King Abdulaziz University | KSA |
| 13 | Nabdh Blood Donation Application | Hala Alqasabi, Nouf Almazrouei, Reem Alrobaiea, Ghada Alshaiiby and Tanzila Saba | Prince Sultan University | KSA |
| 14 | Vaccine Tracker Application | Ghalia Alsuwaiyel, Maram Alkendi, Sara Aljabr, Waad Alkhiary and Tanzila Saba | Prince Sultan University | KSA |
| 16 | Mobile Application for Assisting People With Short-Term Memory Loss | Maiys Al Doghan, Manahel Al Dossari and Duha Al Mulhim | King Faisal University | KSA |
| 17 | Last Stand: Virtual Reality Game | Pola Fahim and Osama Abd Elnaby | Arab Open University, Cairo | Egypt |
| 18 | Let's Code: A Mobile Game as a Learning Tool for Object Oriented Programming | Arkan Salah, Alaa Ghanem, Dania Salameh, Rola Abdullah and Eman Daraghmi | Palestine Technical University | Palestine |
| 22 | Autistic Meltdown Detector | Noha Gazzaz, Maram Mashatt and Dina Basudan | King Abdulaziz University | KSA |
| 23 | Smart Access Control | Maram Hassan and Amjad Khalid | King Abdulaziz University | KSA |
| 25 | AlHaram Smart Guide Application | Noura Aldossari, Amal Alghamdi and Nadya Alkhaibari | King Abdulaziz University | KSA |
| 29 | Medical Drones System for Amusement Parks | Aliaa Jamal, Ahmed Bitar, Hisham Sultan and Nour Alkandari | American University of Kuwait | Kuwait |
| 31 | Archival and Retrieval of Lost Objects | Aisha Alturkistani, Areej Alsulami and Lamiaa Elrefaei | King Abdulaziz University | KSA |
| 33 | Demonstrating Mobile Application Vulnerabilities | Salwa Ali, Alanoud Saeed and Monther Aldwairi | Zayed University | UAE |
| 34 | An Intelligent Bio-Inspired Algorithm for the Faculty Scheduling Problem | Hawazen Albrahim, Sarah Alnegheimish, Fai Alnuhait, Sarah Almogherah, Maha Alrajhi and Manar Hosny | King Saud University | KSA |
| 36 | Demonstrating Anonymizers to Access The Deep Web | Aysha Ali Aldhaheeri and Monther Aldwairi | Zayed University | UAE |
| 37 | PROGATAR: Learning Programming via an Avatar for Hearing Impaired Students | Bateel Nasruldeen, Khadija Kidwai and Morooj Alhaqqas | King Abdulaziz University | KSA |
| 38 | Basma: An Interactive Doll System for Arabic Speaking Children | Alaa Alabduljabbar, Ghadah Alguamei, Ghaida Al Nawwar, Hadeel Faisal and Shahad Rushdi | King Saud University | KSA |
| 42 | Smart Wheelchair | Maali Alansari | American University of Kuwait | Kuwait |
| 43 | Wassilni: Transportation Mobile Application | Hailah Alrebdi, Arwa Alzeagi, Haya Alshareef, Najla Alhazzani and Waad Baabdullah | King Saud University | KSA |

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| 45 | Smart Oil Refinery | Mahdi Al-Fadhli, Ali Bahzad, Mohammed Ibraheem, Mefleh Al-Mutairi and Ashraf Zaher | American University of Kuwait | Kuwait |
| 46 | EEG-Based Communication System for Patients with Locked-in Syndrome | Sara Alansari, Nada Jadallah, Sara Tellab, Iman Khalifa, Wessam Shehieb and Mustahsan Mir | Ajman University | UAE |
| 47 | Zwarh: A Mobile Application for Social Gatherings Planning and Management | Shoug Almutairi, Alyah Alhomegani, Maha Alosaimi, Dalal Alohalay, Mai Hassan and Isra Alturaiki | King Saud University | KSA |
| 48 | Intelligent Auto-Focus Glasses | Dana Nasser, Mennatullah Alshazly and Wessam Shehieb | Ajman University | UAE |
| 50 | Smart Tremors Tracking System | Rawan Dar Nassar, Alaa Aburas and Wessam Shehieb | Ajman University | UAE |
| 57 | The Food Detective | Maram Meccawy and Sarah Alshehri | King Abdulaziz University | KSA |
| 59 | Be My Voice | Amonah Ali, Sumaya Alsayed, Amjaad Alsefri, Maryam Flatah, Azza Amir | King Abdulaziz University | KSA |
| 64 | Smart Event | Fatimah Basheikh, Haneen Alghamdi and Basma Alsayed | King Abdulaziz University | KSA |
| 65 | Bucket Brigade Attack | Saeed Al Muhairi, Abdulrahman Albreiki, Mahmood Al Araimi, Mohamad Al Noaimi and Monther Aldwairi | Zayed University | UAE |
| 66 | Smart Steps: Energy Harvesting and Obstacle Detection for the Blind | Canis Lobo and Noora Nasser | American University in Dubai | UAE |
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| 76 | Brain Computer Interface Guiding Alzheimer's Patients in Muslims' Prayer | Sara Alrahili, Maha Alsharikh and Samia Alfaifi | Imam University | KSA |
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| 82 | A Modified DNA Steganography Technique Using Playfair Cipher, Substitution and Insertion Techniques for Better Security and Hiding Capacity | Omar Mokhtar Mokhtar, Samiha Marwan and Ahmed Gawish | The British University in Egypt | Egypt |
| 83 | Demonstrating SQL Injection Attack using SQLMap | Alaa Mohammed, Hafsa Alteneiji and Monther Aldwairi | Zayed University | UAE |
| 85 | Arabic Speech Recognition Training for Visually Impaired on GPS | Roaa Kordi, Sara Al-Rashoud and Lamyaa Alaqeel | Imam University | KSA |
| 86 | Multi-UAV Task Allocation in Search and Rescue Missions for Flooding Disasters | Alreem Almuhrrij, Hanan Alotaibi, Hayfa Alshowaish and Sarah Alhassan | Imam University | KSA |
| 88 | NFC-Based Attendance and Routing School Bus Framework | Mariah Almotlag, Fatimah Almatrafi and Sarah Alhassan | Imam University | KSA |
| 89 | Autonomous Luggage Cart | Ahmed Mohamed Alhadi, Tarik Abdulelah, Abdulmuhiiman Ibrahim and Mohammed Abdurahman | Ajman University | UAE |
| 90 | Computer-Based Detection and Treatment of Stuttering | Alaa Naqqi, Dina Jamal and Mariam Kamal | Ajman University | UAE |
| 92 | Smart GPS System for Omani Fishermen | Badriya Bani Oraba, Hala Al-Omeiri and Shamsa Al-Haimali | College of Applied Sciences, Sohar | Oman |
| 95 | Academic Workload Allocation System | Hanin Fatani, Rem Alharbi and Alhanouf Horaib | King Abdulaziz University | KSA |

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| 97 | The Use of Artificial Intelligence and Sign Language Studies: Applications to Enhance Sign Language in Universities | Dina Mukhtar and Tanzila Saba | Prince Sultan University | KSA |
| 99 | Football Field Reservation | Moayad Alkhudhayr, Muhammed Alagely and Awadh Alamri | Imam University | KSA |
| 100 | E-Tourism Evaluation: SafeTrip Application | Reham Alblehid, Saja Alsudais, Nehal Almufadi, Norah Alrashoudi and Ali Alkhalifah | Qassim University | KSA |
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| 106 | A Prototype for Digitalization Tourism Fort in Oman | Amani Al Khawaldi, Omaima Al-Hamadani, Omar Al-Saadi, Halima Al-Balushi, Zainab Al-Ajmi and Hilal Al-Maqbali | College of Applied Sciences, Sohar | Oman |
| 107 | E-Invigilation Organizer | Zahra Alnakheili and Jawaher Alsenani | College of Applied Sciences, Sohar | Oman |
| 124 | Learning Algorithm Game | Rawan Alharthi, Asmaa Daraan, Reem Alnofei and Mariam Noori | Taif University | KSA |
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| 158 | Landmine Detector Robot | Bashayer Falah, Rasha Alharthi, Duha Alqurashi and Amal Altaqafi | Taif University | KSA |
| 162 | ILearnQuran: A Quran Learning Management System Designed for Holy Quran Memorization | Noora Aljohar, Sarah Balghonaim and Fatimah Aljaafari | King Faisal University | KSA |
| 163 | Speak & Learn: An Intelligent Learning Website to Aid Autistic Kids in Learning the English Alphabet | Hadeel Alhudaib, Basmah Aljafar, Fatimah Alkhars and Sajedah Bu Ali | King Faisal University | KSA |
| 188 | Emotion Classification System using Facial Expression Recognition | Amal Alsamdani, Amani Almalki, Atheer Safar, Anwar Alrehaily and Najlaa Albaqami | King Abdulaziz University | KSA |
| 189 | Student Portal Mobile Application | Rawan Alasiri, Afnan Sahloli and Zubaydah Adel | King Abdulaziz University | KSA |