Day 1

Session	Session Name & Chair(s)	Room #	Order	Paper #	Title	Authors	University	Country
Morning 11:00-12:00	**Image Processing**	1	1	86	Automatic Detection of Omani License Plates from Still Images	Nusaiba Rashid Al-Kindi, Olla Saif Al Shukaili, Badria Hamed AL Hinai and Dr. Abdelhamid Abdesselam	Sultan Qaboos University	Oman
	Chair: Hessa Abdulbasit		2	154	Comparative Analysis Between Two Drowsiness Detection Techniques	Ammara Javed, Maryam Emad	Ajman University of Science and Technology	UAE
			3	67	PH-POC technique in face recognition	Rasha Saffarini, Ala'a Hamda	PTUK	Palestine
			4	90	Arabic Character Recognition ACR	Walaa' Darak, Sondus Sabbah, Tasneem Zayt	PTUK	Palestine
Morning 11:00-12:00	**Health Informatics and Social Networks**	2	1	22	Mobile Microscopy	Aisha Khan, Nasna Abdul Nassir, Annum Amir	Abu Dhabi University	UAE
	Chair: Latifa Hamad		2	12	Askmate: Social Network Application	Nailah Musaid AL-Tayyar, Mariam Abdulrahman AL-Ammari , Zainab Naem AL-Amri	Imam University	KSA
			3	89	Personalized Healthcare Provisioning based on Social Media	Ghaida' Aldairi, Rawan Alarfaj	King Faisal University	KSA
			4	170	Transforming Health Care Industry data into Big Data in UAE	Latifa Rashed, Lulwa Salem	Dubai Women's Collage	UAE
Morning 11:00-12:00	**Smart Systems**	3	1	32	Mine-Sweeper Robot	Hajer Al-Nothary, Hesah Aljenfawi, Taibah Al-Kandari, and Mohammed El-Abd	American University of Kuwait	Kuwait
	Chair: Reem Mohamed		2	62	A Smart Babysitter Robot	Yahya Noureldin, Mosab Omar, Abdulrhman AlShantti, Moetaz Hindawi, Sameh Alaa	Ajman University of Science and Technology	UAE
			3	132	Wireless System for Water Quality Monitoring and Automatic Water Level Control	Hyder Khaleeq, Mohammad Rehan Siddiqi, and Prof. Ali Abou-Elnour	Ajman University of Science and Technology	UAE
			4	119	Mining Tweets to develop a Disease Outbreak Notification System	Mohammed Al-Nagdy, Hasan Al-Omran, Ali Al-Radwan	King Faisal University	KSA
	Machine Learning		1	35	Computer Aided Brain Tumor Detection Segmentation and Detection	Ammara Javed, Maryam Emad	Ajman University of Science and Technology	UAE

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Morning 11:00-12:00	Chair: Khadija Salahaldin	**4**	2	91	An Approach for Detecting and Analyzing Traffic Flow	Fatma Ali Al-Maqbali, Alia Salim Al-Harthi, Tuqa Rashed Al-Shehhi, Samah Humoud Al-Mawali	College of Applied Sciences	Oman
			3	116	Automated Crowd Monitoring System in Public Places	Sirin Fayez Haddad	Jordan University of Science and Technology	Jordan
			4	98	Traffic Signs Recognition System for Improving Roads Safety	Fareed Qararyah, Jihad Kittaneh, Qais Ibrahim	PTUK	Palestine
Afternoon 2:45 - 3:45	**Network Computing** Chair: Shaikha Abdalla	**1**	1	106	Offering HSS as a Virtualized Service	Buthaina Zaid Al Kathiri, Mariam Ahmed Al Hammadi, Fatna Belqasmi	Zayed University	UAE
			2	4	Monitoring Aquaponic System Using Wireless Sensor Network	Nahid J. Mohammadi, Nafisa Abdul Razak Maaz, Noora Ibrahim Mohammad Al Balooshi, Shamma Aref Hasan Ali Abdulla	UAEU	UAE
			3	11	Laser Tag Game with Smartphone Applications and Wireless Technologies Integration	Abdullah Alshamali, Ahmad Ayyad, Mosab Al-Awad, Shehab Jamous	University of Jordan	Jordan
Afternoon 2:45 - 3:45	**Secure Computing** Chair: Fatima Raed	**2**	1	19	Random Section of Pixel-pair in the Tri-Way Steganography Algorithm	Nada Mouhammad Aboueata, Sara Yaqoob Al-Rasbi, Wafa Ahmed Al-Jaal, Jihad M. Al-Ja'am	Qatar University	Qatar
			2	40	Beyond Passwords: A Practical Alternative for User Authentication	Mohammad Al-Saban, Ahmed Al-Hanot, and Abdulmallek Al-Kubaisi	King Faisal University	KSA
			3	81	Real-Time Sound Morphing for Security and Entertainment Applications	Abdulqader Mahmoud, Hamza Al Maharmeh, Nasir al Nimr, Khalid Al Zarouni	Khalifa University	UAE
			4	133	Automated White Box PenTester	Hassan.A.Alnoury, Nour.F.Jallad	Princess Sumaya University for Technology	Jordan
Afternoon 2:45 - 3:45	**Education and Technology** Chair: Ruqiya Essa Ghuloom Mohamed Badri	**3**	1	37	NEUTRINO for virtual learning	Alaa Aljahdali, Shaima'a Wahid, Haneen Bahamdien, Alaa Hemali and Alaa Alattas	KAU	KSA
			2	50	Automatic Attendance System Using QR Codes	Handren Salman A.Samad	University of Kurdistan	Iraq

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			3	167	Smart Education in UAE Government Schools	ALIA ALKHALSAN, ALIA ESSA	HCT	UAE
			4	172	Wearable Technology in Higher Education in United Arab Emirates	Meerah AlDhaheri, Noura AlJaziri, Nawal Jaffar	HCT	UAE
Day 2								
11:00am - 12:00pm	**Computer Engineering** Chair: Hind Khalid	**1**	1	79	Mobile Based Robotic Wireless Path Controller	Muna Dahir Ali, Amna Mohammed Al Zaabi, Aisha Ali Al Tenajy, Alyaa Obaid Saleh, Mohammed Rehan, Musab Hassan, and Prof. Ali Abou-Elnour	Ajman University	UAE
			2	23	Three-Dimensional Design and Implementation Methodology for Field Programmable Gate Arrays (FPGAs)	Andrew MORKOS, Sharma ANURDH, Vinod PANGRACIOUS	American University in dubai	UAE
			3	10	Development of a Robotic Stealth Device for Monitoring and household Ensuring Security	Bayan AlMulhim, Nura AlJaafari, and Sara Alshaikhmubarak	KFU	KSA
11:00am - 12:00pm	**End-User Applications** Chair: Shatha AlMarri	**2**	1	36	Active Presentation Mobile Application "ActPre"	Mohamed Hassan, Abdulaziz Al-Ghanim, Mouhab Abdelreheem, Ziyad Al-Ghamdi, Mohammad Al-Salloum, and Mohammad Alshayeb	KFUPM	KSA
			2	103	Low Cost Volumetric Display	Anant Mohan, Akshay Rattan, Michelle Samuel, and Dr. Adnan El-Nasan	American University in Dubai	UAE
			3	161	Critical Appraisal on Mobile Applications Android Vs. iOS	Shamsa Matar, Fatima Saleh, Ayesha Jabr, Arif Mushtaq	HCT - Dubai Women's College	UAE