Ajman University
IEEE Student Branch Annual Report
UAE Section

Executive Committee

Chair: Mohammed Osama Elnour

Vice-Chair: Mohamed Yasser Abduljawad

Secretary: Kashif Rast Baz Khan

Treasurer: Abdulazeez Omar Al Muslim

Media Coordinator: Mohammed Anwar Al Tinawi

Counselor: Dr. Ayman Tawfik

Introduction

The year of 2020 has proved to be an interesting period to say the least. Though many hurdles were met along the way, the Ajman University IEEE Student Branch is committed to provide students with different learning experiences and activities that would enhance their knowledge as well as their soft and technical skills. Our objective as the student branch committee is to execute to the students what we call the IEEE motto:

Inspire

Encourage

Engage

Endorse

In this report, we demonstrate all the activities that were organized as well as all the student members' achievements during the period from February 2019 to June 2020.

IEEE Student Branch Annual Plan/ Calendar

ACTIVITIES/EVENTS	DATE	TIME	NOTES	STATUS
UAE Hackathon 2.0	11-13/02/2019	8:00	Sheikh Zayed Hall	
Higher Colleges of Technology ASET Conferences	26/03/2019	10:30	HCT, Dubai	
UAE Undergraduate Research Competition (URC)	17-18/04/2019	10:00	Zayed University, Dubai	
IEEE GCC SYP Congress	19-20/04/2019	8:30	Held in Kuwait	
IEEE Student Day 2019	27/04/2019	10:00	American University in RAK	
IoT and AI Pioneers Competition	17/07/2019	10:00	Two Seasons Hotel, Dubai	
James Dyson Award	30/09/2019	10:00	Emirates Towers, Dubai, UAE	
IEEEXtreme 13th 24-hour coding competition	19/10/2019	All Day	Virtually	
Robotics Club Seminar "Arduino 101"	24/10/2019	10:30	Room 205, J2 Block A	
Robotics Club Seminar "Arduino BT Communication"	7/11/2019	10:30	Room 205, J2 Block A	
International IEEE Day Photo Contest	17/11/2019	All Day	Online competition	
ISSPIT	10-12/12/2019	8:00	Sheikh Zayed Hall	
Winter Study Tour 2020	3-9/01/2020	7:00	Sheikh Zayed Hall	
ASET 2020 Poster Competition	4/2/2020	8:30	HCT, Dubai	
Ajman University 3rd Demo Day	4/2/2020	8:30	Sheikh Zayed Hall	
UAE Hackathon	10-12/2/2020	8:00	Sheikh Zayed Hall	
Dubai Innovation event	24/2/2020	8:00	General Directorate Of Residency And Foreigners Affairs, Dubai	
ICEEE 2020	14-16/04/2020	8:00	Antalya, Turkey (Virtually)	
URC 2020	15-16/04/2020	14:30	Zayed University, Dubai (Virtually)	
IEEE Student Day 2020	18/04/2020	N/A	N/A	
URC 2020 - AD	21/04/2020	N/A	N/A	
3rd Annual Students' Research Day	7/6/2020	17:00	Ajman University (Virtually)	

COMPLETED
CANCELED DUE TO COVID

Student Participations and Achievements

UAE Hackathon, Sheikh Zayed Hall, Ajman University, Ajman, UAE

11th-13th of February 2019

The UAE Hackathon competition took place in Ajman University, Sheik Zayed Hall for three days from 11-13/02/2019. The first day was filled with different seminars and the process of forming groups took place then, while the second and third days were about learning with the students the process of creating innovative ideas for different sectors in the UAE.

On the third day, 10 groups were chosen as finalists from the competition, eight groups where from Ajman University, department of Electrical Engineering only.

In the fourth of March, Ajman University Electrical Engineering students won the first place on the national level in UAE Hackathon 2.0 competition and got awarded 50,000 AED. Additionally, the remaining seven teams got awarded 3,000 AED each.

During the competition, students had the opportunity to exhibit their undergraduate senior design projects posters; something that will enhance the culture of competition among students and enable students to exchange experiences with their peers from other universities and colleges.

This is the second review for this competition. Out of 50 applicant projects, only 25 got qualified (three from AU). Ajman University EE students participated with three projects in HCT Student's Poster competition and scored the first place for the project (Smart Assistive Glasses for Alzheimer's patients).

Team:

- Mohamed Ait Gacem
- Saifelddin O.S. Alghlayini
- Muaid Hafiz
- Ahmad Ghazal
- Supervised by Prof. Mustahsan Mir and Engr. Wessam Shehieb

UAE Undergraduate Research Competition (URC), Zayed University, Dubai, UAE
17th-18th of April 2019

The Eleventh Annual Conference on Undergraduate Research on Applied Computing (URC2019), hosted by Zayed University. The objective of this conference is to promote undergraduate research activity at educational institutions in the UAE, other Gulf countries, and the rest of the Arab world, by providing a forum for students to present their work and interact with other young researchers, faculty, and industrial leaders. The conference program included 161 research projects: 4 special track presentations, 13 live demos, 15 lightning presentations, and 129 poster presentations.

Ajman University EE and BME Departments participated with ten teams, and presentation categories were through Poster presentation, Live Demo and Lightning Presentation.

Teams	Students	Supervisors	Project Title
1	Mohamed Ait Gacem	Prof. Mustahsan Mir	AI-Based Assistive Glasses for Alzheimer's Patients (**Best Live Demo Award**)
	Saifeddin O.S. Alghlayini	Engr. Wessam Shehieb	
	Muaid Hafiz Mohammed		
	Ahmed Hesham Ghazal		
2	Ali Mohammed Ridha	Prof. Kamran Arshad	Intelligent Rehabilitation System for Facial Paralysis (**Best Poster Award**)
	Peter Yacoub	Engr. Wessam Shehieb	
	Khalid Al-Balawneh		
3	Alaa Harba	Dr. Ayman Tawfik	Intelligent E-Nose System for Smartphone Photo Applications
	Mohammed Al Hurabi	Engr. Wessam Shehieb	
	Abdullah Aidaros	Engr. Yahia Ibrahim	
	Mohamed Kloub		
	Mohammad Aref		
4	Souzan Sarraj	Prof. Mustahsan Mir	Smart Hand Tremor Reduction Glove
	Zena Al-Balawneh	Engr. Wessam Shehieb	
	Fatima Alawi		
5	Saifeldein Al Dandan	Dr. Maher Assaad	Intelligent Food Quality Detection using Hyperspectral Imaging
	Yaser Al-Shdaifat	Engr. Wessam Shehieb	
	Ehab Anan		
	Mahmoud Alhourani		
6	S. Mohammad Rameshi	Dr. Hasan Zidan	Biometric Attendance System with Route Mapping in School Buses (**People's Choice Poster Award**)
	Mohanad Rafat	Engr. Khaled Mahfouz	

	Mahmoud Elsayed		
	Mohmmed Sheikh		
7	Hadil Adel Othman	Dr. Mohamed Nasor	Pregnancy Belt with Wireless Contraction Monitor
	Anna Mahmoud Shana'ah	Eng. Mohamed Agam	
	Bassant Nader Ibrahim		
8	Ahmed Saif Eldeen Khalil	Prof. Mustahsan Mir	Outdoor Active Water-Harvesting and Dehumidification System
		Eng. Khalid Mahfouz	
9	Rana Hosam	Dr. Mohamed Nasor	Effects of Audio Stimulus on Body's Vital Signs
	Dua Hussain	Mr. Mujeeb Rahma	
	Sara Al Sahha		
10	Ahmed Saif Eldeen Khalil	Prof. Mustahsan Mir	Vita-cam: Vitamin Deficiency Detection Using Image Processing and Neural Network
	Mohamed Ait Gacem	Eng. Wessam Shehieb	
		Eng. Khalid Mahfouz	

IEEE GCC SYP Congress, Kuwait

The Second GCC Students and Young Professionals Congress (SYP Congress) is an event that gathers both students and young professionals' members from all sections in the GCC. SYP's main goal is to motivate the new youth generation to drive the economic growth of GCC by their innovative ideas. Moreover, it is focused to develop technical and communication skills through various workshops from local enterprises. In addition, it enhances and fosters engineering passion and capabilities within participants through different technical and social activities. It also allows the students to share their practical and theoretical ideas and achievements. Among multiple participations from GCC countries top 4 IEEE Student Branches. Ajman University IEEE Student Branch won the 1st place for the second consecutive run.

Ajman University IEEE Student Branch is committed to provide students with different learning experiences and activities that would enhance their knowledge as well as their soft and technical skills. The objective of the student branch committee is to execute to the students what we call the IEEE motto:

- **I**nspire
- **E**ncourage
- **E**ngage
- **E**ndorse

The team consisted of IEEE AU Student Branch Chair Ali Mohamad Ridha, supervised by IEEE Student Branch Counselor Dr. Ayman Tawfik and Engr. Wessam Shehieb.

Ajman University EE and BME Students participated in eight categories (as shown on the table below) and collected a total of 8 prizes out of 21, making AU win the highest number of prizes out of 16 university in UAE for the 10th consecutive year.

Senior Design Project			
Rank	**Names**	**Supervisors**	**Project Title**
2nd Place (Computing and Robotics)	Mohamed Ait Gacem	Prof. Mustahsan Mir	Smart Assistive Glasses for Alzheimer's Patients
	Saifeddin O.S. Alghlayini	Engr. Wessam Shehieb	
	Muaid Hafiz Mohammmed		
	Ahmed Hesham Ghazal		
3rd Place (Computing and Robotics)	Ali Mohammed Ridha	Prof. Kamran Arshad	Intelligent Rehabilitation Device for Facial Paralysis
	Peter Yacoub	Engr. Wessam Shehieb	
	Khalid Al-balawneh		
2nd Place (Electronics and Communications)	S. Mohammad Rameshi	Dr. Hasan Zidan	Biometric Attendance System with Route Mapping in School Buses
	Mohanad Rafat	Engr. Khaled Mahfouz	
	Mahmoud Elsayed		
	Mohammed Mahmoud		
Software Engnieering Project			
1st Place	Ali Mohammed Ridha	Engr. Wessam Shehieb	Virtual Reality for Education: The Water Cycle Game
Engineering Design Project			
1st Place	Kashif khan	Engr. Mahnoor Zafar	Marble Sorting System
	Abdulazeez Omar		
3rd Place	Shahd Youssef Iraki	Engr. Mohammed Agam	Marble Sorting System
	Engy Hazem Elsayed		
	Lina Naim Khaled Alnaser		
	Salma Mohamed Elsayed		
Industrial Design Project			
1st Place	Subae Haitham Al Sebai	Engr. Yahia Ibrahim	Autonomous Vehicle Race
Community Service Project			
1st Place	Samra Mariam Siddiqui	Ms. Tazeen Sharif	STEM Related Applications
	Lana Nabil Al Mallah		

du, from Emirates Integrated Telecommunications Company (EITC), has played an inspirational role towards empowering the next generation of technology innovators, following the completion of the IoT & AI Pioneers Competition.

Driven by UAE 5G Innovation Gate (U5GIG) - which is powered by Dubai Silicon Oasis (DSO) - and Dubai Technology Entrepreneur Campus (Dtec), to lead innovation initiatives established by HH Sheikh Mohammed Bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE, and Ruler of Dubai, du's IoT & AI Pioneers Competition had 43 initial project applications all vying to play an active role in leading the UAE's smart future. From this, 10 teams were selected forshortlisted interviews, with six emerging successful after the interview and evaluation of the project idea that was held in May at Dtec Centre.

Ajman University team scored the second place in the competition.

Team:

- Ahmad Saif Eldeen
- Mohamed Ait Gacem
- Saifeddin Alghalayini
- Engr. Wessam Shehieb
- Supervised by Prof. Mustahsan M

James Dyson Award, Youth Hub – Emirates Towers, Dubai, UAE

30th of September 2019

James Dyson Award is an international engineering design award that celebrates, encourages and inspires the next generation of design engineers. It is open to current and recent design engineering students and is run by the James Dyson Foundation.

Entries are judged first at the national and regional levels before progressing to the international stage. A panel of Dyson engineers selects an international shortlist of 20 entries. The Top 20 projects are then reviewed by Sir James Dyson, who selects the international winner plus up to two runners-up.

The competition's entry-stage started on the 28th of March 2019 and ended on the 11th of July. On the national and regional levels, about 50 projects were qualified to move to the second stage, then the national winner (Vita-Cam) and 2 runners-up were announced on the 19th of September. On the 17th of October, the shortlisted projects will be announced, followed by the announcement of the international winner on the 14th of November.

An awarding ceremony was held on Monday the 30th of September at (Youth Hub - Emirates Towers - Dubai) including a panel discussion and words from H.E. Khalfan Belhoul, Chief Executive Officer, Dubai Future Foundation.

Team:

- Ahmad Saif Eldeen
- Mohamed Ait Gacem
- Saifeddin Alghalayini
- Engr. Wessam Shehieb
- Supervised by Prof. Mustahsan Mir

IEEEXtreme 13th 24-hour coding competition (Virtually)

IEEEXtreme is an annual programming challenge in which teams of IEEE Student members compete in a 24-hour time span against each other to solve a set of programming problems. For this year, a set of 3 teams of students participated in this event. AU EE, BME, and CE students won the fourth prize on national level for the year of 2019.

International IEEE Day Photo Contest

In this yearly global event organized by the US Head Quarter for the IEEE, student branch members compete in various categories and themes by submitting pictures covering said themes. In the humanitarian category, a team of BME students won the international first place with their picture themed around breast cancer awareness titled "Follow Your Dreams".

Team:

- Engy Hazem
- Habeba Sarwat
- Mariam Reda
- Kathrina Baguyo
- Yara Badr
- Shahd Iraki
- Lina Naim
- Supervised by Engr. Mohamed Agam

19th IEEE International Symposium on Signal Processing and Information Technology (ISSPIT), Sheikh Zayed Center-Ajman University, Ajman, UAE

10th-12th of December 2019

Affiliation: IEEE, IEEE Signal Processing Society, IEEE Computer Society.

Attendees: International and national scholars from world-wide universities and institutes

Conference Brief:

ISSPIT 2019 is the 19th IEEE International Symposium on Signal Processing and Information Technology. It is a premiere technical forum for researchers in the fields of signal processing and information technology. ISSPIT 2019 included more than 100 state-of-the-art oral presentations related to the key areas in signal processing and information technology. Accepted papers are also published in the Proceedings of IEEE ISSPIT 2019 and IEEE Explore. A special poster session for undergraduate research papers was also be included and prizes for best posters were awarded. Two groups from AU Electrical Engineering Students won Best Student Poster Competition during the conference, **the teams are:**

Students Poster Competition Winners			
Rank	**Names**	**Supervisors**	**Project Title**
Best Poster Award	Mohamed Ait Gacem	Prof. Mustahsan Mir	Smart Assistive Glasses for Alzheimer's Patients
	Saifeddin O.S. Alghlayini	Engr. Wessam Shehieb	
	Muaid Hafiz Mohammmed		
	Ahmed Hesham Ghazal		
Best Poster Award	Ali Mohammed Ridha	Prof. Kamran Arshad	Intelligent Rehabilitation Device for Facial Paralysis
	Peter Yacoub	Engr. Wessam Shehieb	
	Khalid Al-balawneh		

Winter Study Tour 2020, Ajman University and Multiple places in UAE.

3rd-9th of January 2020

Ajman University (AU) hosted an interdisciplinary Winter Study Tour as a way of introducing international students to the rich history of the UAE and future prospects as well as the institution's own legacy of inclusion and innovation.

A total of 42 students from eight countries – United States, Germany, Netherlands, Croatia, Singapore, India, Vietnam, and Taiwan – excitedly participated in the program held under the theme "Gateway to Global Hub of Opportunities."

Organized and led by Ms. Tazeen Sharif, a lecturer at AU's College of Engineering and Information Technology, alongside a team from the same college, the Study Tour's thrilling scheme served as a unique platform for these graduate and undergraduate students from around the world.

Participants enjoyed rigorous technical sessions on AU's campus (Build a Robo-buddy, 3D printing, Laser Cutting to name a few) before embarking on leisure activities including an unprecedented view of modern Dubai from the top of Burj Khalifa and an afternoon of dune bashing. All of them were enthralled by the architectural splendor and cultural significance of the Sheikh Zayed Grand Mosque in Abu Dhabi.

The organizing team from ECE department named below accompanied the participants throughout the entire tour and delivered a variety of technical workshops.

WST Organizing Team	
Ms. Tazeen Sharif	Organizer and Leader, ECE Department
Engr. Wessam Shehieb	Senior Assistant, ECE Department
Engr. Ali Mohammed Ridha	Assistant, ECE Graduate
Engr. Zainulabdeen Ali Al-Tameemi	Assistant, Arch. Graduate
Engr. Saif A. Hussain	Assistant, ECE Graduate
Engr. Seyed Mohammad Rameshi	Assistant, ECE Graduate
Engr. Mohammed Osama Elnour	Assistant, ECE Senior Student

During the competition, students had the opportunity to exhibit their undergraduate senior design projects posters; which will enhance the culture of competition among students and enable students to exchange experiences with their peers from other universities and colleges.

This is the second review for this competition since only 35 got qualified (eight from AU). Ajman University EE students won the first place in ASET 2020 Poster Competition for the second year in a row, with the project (Mosme'e: Smart Two-Way Communication for The Hearing Impaired).

Team:

- Mohammed O. Elnour
- Mohamed Abduljawad
- Youssef M. El Sonbaty
- Supervised by Prof. Mustahsan Mir and Engr. Wessam Shehieb

Ajman University 3ʳᵈ Demo Day, Ajman University, Ajman, UAE

4th of February 2020

The Ajman University Innovation Center (AUIC) hosted the 3ʳᵈ annual Demo Day that offers an opportunity for startups to offer their ideas and showcase their commercial viability. 22 startups participated in the event, with the great majority of the ideas being from EE and BME students who showcased their innovative senior design projects. The Exhibition saw the presence of Sheikh Obaid bin Suhail Al Maktoum, Sheikh Humaid bin Abdullah Al-Mualla, Dr. Ali Muhammad Al-Mazem, H.H. Sheikha Noora Humaid Al Nuaimi, Director of Ajman X, and Ms. Ohoud Ali Shehail, Director General of Ajman Digital Government.

The UAE hackathon, subtitled "Data for Happiness and Wellbeing", launched its third rendition throughout the seven emirates. In the Ajman hackathon alone, 29 different participant teams joined the stage where they learned from many technical panels and brainstorming sessions. The award ceremony was held virtually due to the pandemic and the 3 winners of each emirate's hackathon were announced.

For the third year on a row, AU students won the highest number of places in this competition as seen in the table below.

UAE Hackathon 3.0 Winners				
Name	Student/Alumni	Emirate	Rank	Team Name
Nabil Siddig	Student	Ajman	1st Place	AU EMP
Nabia Khalid	Alumni			
Somaya Samra	Student		2nd Place	Quiet Multilinguals
Nouf Albelyhed	Student			
Marwa Alshouli	Student			
Haya Zaghloul	Student			
Hiba mhaisen	Student			
Wessam Shehieb	Alumni			
Reem AlaaEldin	Student		3rd Place	Daemons
Noura Mohammed	Student			
Eiman Salem	Student			
Afrah Amer	Student			
Baraa Jamal	Student			
Nujud Mohsen	Student			
Khulood Ghasan	Student			
Nabia Khalid	Alumni			
Tazeen Sharif	Alumni	Ras Al Khaimah	1st Place	Unicorn
Sameer Sharif	Alumni			
Ali Mohammed Ridha	Alumni	Dubai	1st Place	Salus
Saif Alaa Hussain	Alumni			

Event Photos

General Directorate Of Residency And Foreigners Affairs Dubai Innovation event, Dubai, UAE

24th of February 2020

As part of the activities of the "UAE Innovation month", the general directorate of residency and foreigners' affairs of Dubai held an event to host and showcase different student-led innovations and creations and how they can enhance many lives. The event was attended by many high-profile individuals who showed great support and enthusiasm towards the students' passion and drive for innovation.

7th International Conference on Electrical and Electronics Engineering (ICEEE 2020), Antalya, Turkey (Virtually)

During the 7th International Conference on Electrical and Electronics Engineering (ICEEE 2020), a team of Alumni and faculty from Ajman University won the **Excellent Presentation Certificate** for scientific paper **Smart Prediction System for Facial Paralysis.** The conference aim is to present excellent results and new challenges facing the field of the reliability and availability of Electrical and Electronics Engineering. It brings together experts from industry, governments, and academia, experienced in engineering, design and research.

Team:

- Engr. Ali Mohammed Ridha
- Engr. Wessam Shehieb
- Prof. Kamran Arshad

About the paper:

Paralysis is the loss of muscle functions in any part of the body at any age and can be temporary or permanent. Many times, temporary paralysis can be treated by physical therapy without using high potency drugs. In this paper, a smart and innovative system is proposed and developed to help bell's palsy patients with temporary facial paralysis, by automating the physiotherapy at the comfort of patients' home using a 3D printed design. The proposed prototype performs the facial physiotherapy, as prescribed by the physiotherapist using a smartphone application. Furthermore, a smart app is also proposed to perform intelligent face mapping, data-logging and progression functions for the patients to visualize improvements in their health conditions.

UAE Undergraduate Research Competition (URC), Zayed University, Dubai, UAE (Virtually)

The Twelfth Annual Conference on Undergraduate Research on Applied Computing (URC2019), hosted by Zayed University. The objective of this conference is to promote undergraduate research activity at educational institutions in the UAE, other Gulf countries, and the rest of the Arab world. URC acts as a forum for students to present their work and interact with other young researchers, faculty, and industrial leaders. The conference program (which was entirely virtual for this year) included 168 research projects from 24 universities in 7 different countries.

Ajman University EE and BME Departments participated with 13 teams, and presentation categories were through Poster presentation, Live Demo and Lightning Presentation. Out of the 15 winning presentations, 2 of the positions were secured by AU students.

Team 1: "Smart Two-Way Communication System for the Hearing-Impaired Students"

- Mohammed O. Elnour
- Mohamed Abduljawad
- Youssef M. El Sonbaty
- Supervised by Prof. Mustahsan Mir and Engr. Wessam Shehieb

Team 2: "Swimming Pool Sensor"

- Yasmeen Hamdan Mariam Abdalla
- Shahad Monther
- Aisha Dah
- Supervised by Dr. Mohammed Nassor and Engr. Mohamed Agam
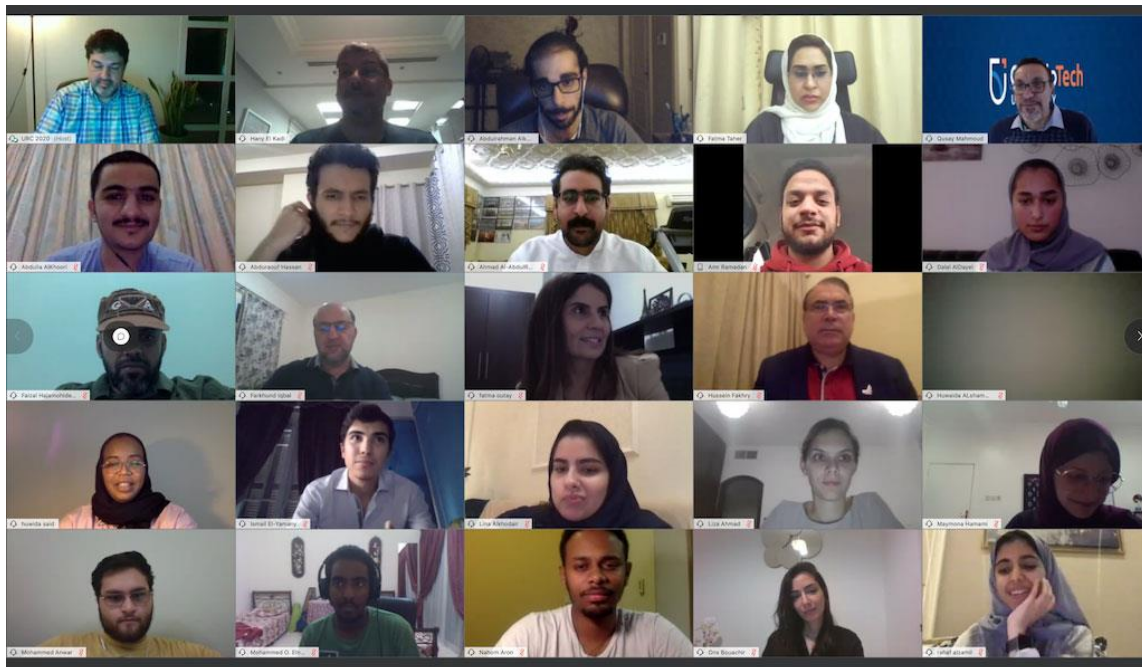
3rd Annual Students' Research Day, Ajman University, Ajman, UAE (Virtually)

7th of June 2020

The 3rd AU Students' Research Day, which was organized virtually by the Deanship of Graduate Studies and Research at Ajman University, was hosted by Karim Seghir, Ph.D., AU Chancellor, Prof. Khaled Al Saleh, Vice Chancellor for Academic Affairs and Prof. Kamran Arshad, Dean of Graduate Studies & Research.

The researches that were showcased covered a wide spectrum of topics and fields, with EE and BME students winning several positions and awards. The following are the showcased research topics by EE and BME students

| Best Research Project Winners			
Team No.	**Members**	**Supervisors**	**Research Title**
1	Abdelhadi Turki Fahmi Radwan Khalid Ammar Khaled Nabil Lotfi Yousef Magdy Salah	Dr. Ayman Tawfik Engr. Wessam Shehieb	Radar Based Vocal Cords Rehabilitation Monitoring System
2	Mariam Reda Hassanein Samaa Mohamed Ibrahim Sara Rakan Shakoush	Dr. Mohamed Nasor Engr. Mohamed Agam	Cardiac Emergency System for Car Drivers
3	Mohamed Mohamed Yaser Mohammed Osama Elnour Youssef Mohamed Aly	Prof. Mustahsan Mir Engr. Wessam Shehieb	Mosme'e: Smart Two-Way Communication System for The Hearing Impaired

Activities

Robotics Club Seminar – "Learn the basics of Arduino!", Ajman University, UAE
24ᵗʰ of October 2019

The event (part 1 of 2) was mainly a workshop about the basics of the Arduino microcontroller. The main presentation was handled by Mohammed Osama, the president of the robotics club. After a brief intro and a quick rundown of the many features of the Arduino board and how signals and data are managed internally, we started with a practical example for the attendees who have grouped themselves. The first example was turning on and off a light source through the circuit they connected themselves. After that small example, the presenter went on to explain key principles related to signal control, which led to the next practical example. Again, the groups of students are meant to design and implement a light source that blinks depending on what you input to the board.
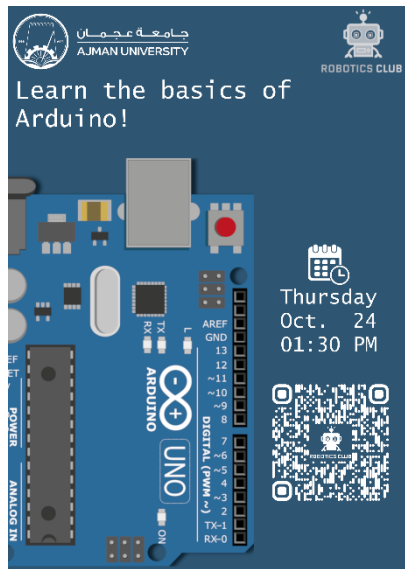
Robotics Club Seminar – "Bluetooth Communication", Ajman University, UAE
7th of November 2019

A continuation of the previous robotics session, the prospect of wireless communication (namely Bluetooth) and how a microcontroller can be remotely controlled from a mobile device were discussed in detail. The process of how to create an Android application to serve as a wireless controller for a robot was also showcased with interactive and hands-on mini projects that the participants took part in.
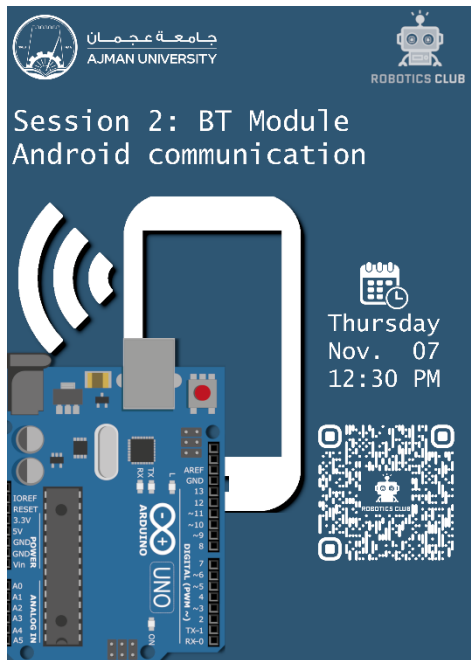
Financial Report

The Cabinet planned several events, courses and seminars, but due to the unfortunate circumstances of the COVID-19 lock down, most of the plans were cancelled or put on hold; thus, no costs were paid at all. The robotics seminars' needed hardware was fulfilled by the university; therefore, the club didn't need any financial support.

Media Coverage

The following are some snapshots of the student branch's coverage in local media and newsletters.

الخليج | الخليج الاقتصادي | الخليج الرياضي | ملاحق الخليج

أخبار الدار ▫ | رأي و دراسات | اخبار و تقارير | ثقافة | منوعات ▫ | الكاريكاتير | كتب و كتاب | منبر القراء

الخليج > أخبار الدار > التربية و التعليم >

التقييم: 5 / 0

معالجة الإشارات الرقمية في مؤتمر بجامعة عجمان

تاريخ النشر: 12/12/2019

▶ استمع

انطلقت فعاليات المؤتمر الدولي الـ 19 لمعهد مهندسي الكهرباء والإلكترونيات (IEEE)، حول معالجة الإشارات الرقمية وتكنولوجيا المعلومات (ISSPIT)- 2019، الذي تنظمه كلية الهندسة وتكنولوجيا المعلومات في جامعة عجمان، بمشاركة وحضور باحثين من الجامعات والمعاهد المحلية والعالمية، وستمر ثلاثة أيام، فيما أقيمت على هامش المؤتمر مسابقة بوسترات لطلبة الجامعات، وعرض لمشاريع طلبة الهندسة الكهربائية وهندسة المعدات الطبية، ورواد أعمال مركز جامعة عجمان للابتكار.

وافتتح المؤتمر الدكتور كريم الصغير، مدير الجامعة، بكلمة أكد فيها أن «المؤتمر يزخر بالعديد من أوراق العمل والبحوث الثرية التي تناقش آخر التطورات في معالجة الإشارات والصور، وتكنولوجيا المعلومات والهندسة الطبية الحيوية والبيولوجية، والذكاء الاصطناعي».

الخليج   الخليج الافتصادي   الخليج الرياضي   ملاحق الخليج

أخبار الدار ⌄   رأي و دراسات   اخبار و تقارير   ثقافة   منوعات ⌄   الكاريكاتير   كتب و كتاب   منبر القراء ⌄   من القراء و إليهم 0501429429   ملف

الخليج › أخبار الدار › التربية و التعليم ›

التقييم: 0 / 5

☆☆☆☆☆

تاريخ النشر: 28/06/2020

فريق من جامعة عجمان يحصد جائزة العرض التقديمي الممتاز في مؤتمر دولي

استمع ▶

جامعة عجمان تحصد جائزتين في بحوث الحوسبة التطبيقية

الإثنين، ٨ يونيو ٢٠٢٠ - ٦:٤٥ م

جامعة عجمان تكرم طلبتها المتميزين في البحث العلمي

جامعة عجمان
AJMAN UNIVERSITY   College of Business Administration

AU Students
RESEARCH DAY

3ʳᵈ AU Students' Research Day

Sunday, June 7, 2020

Best Research Project

Radar Based Vocal Cords Rehabilitation Monitoring System

Abdelhadi Turki Fahmi   Radwan Khalid Ammar   Khaled Nabil Lotfi   Yousef Magdy Salah

Future Plans

Due to the sudden occurrence of the Covid-19 pandemic and the ramifications that have resulted from it, the Ajman University IEEE Student Branch was faced with a new frontier never seen before. This has opened the committee's eyes towards new opportunities and chances for expansions that would have otherwise been closed off by distance and other hurdles.

These new frontiers include the adoption of more virtual events that are "bullet-proof" when it comes to the pandemic and allow for the trading of experiences with individuals all over the globe. The committee urges its members and future generations to keep this fact in mind and to always adapt to whatever situation is occurring globally or locally. Holding a series of workshops via Zoom or Microsoft Teams to teach newcomers Arduino and circuits basics is a great starting point. The teaching will be demonstrated using TinkerCAD platform, that offers online circuits and Arduino simulation, in addition to a simple programming method that uses blocks, unlike the conventional way of writing codes. Moreover, The same platform allows the cabinet and its members to teach the same audience 3D modeling, which is a very important skill in the age of 3D printing. combining 3D printing and knowledge of Arduino programming, juniors will be able to dive into robotics, and achieve great goals in their journey.

Shifting to a more online presence will also allow the process of hosting regional and global events a much more manageable task with some minor setbacks; said setbacks can be overcome with a fair amount of creativity and foresight. Opening up the horizons of students and fostering an environment of innovation and healthy competition is an important front; that can be achieved by encouraging said students to compete and partake in events that will allow for their creative muscle to grow and bloom.