

Project Title	Name	Advisor	Dept.
Prediction of the electroc temperatures of binary ionic liquid mixtures for their design as phase change materials in biopharmaceutical delivery	Moh'd Basal Shalhin	Dr. Paul Nancarrow	OHE
Fabrication of Chitosan, PBI and PDSM composite membranes for the application in high temperature PEM fuel cells	Sahba Aswadhya Samrajyam Lawaad Shalhin	Dr. Amari Al-Othman	OHE
Product Design and Process Design of Ionic Liquids as Phase Change Materials for Solar Water Heating Systems	Abdulrahman Saeed Yahya Elsayed Zena Elshewey Zena Yasin Hayat Abbout Hayat Hamedoud	Dr. Paul Nancarrow	OHE
Investigating the Performance of Concrete Beams Reinforced with High Strength Steel Rebars	Abdullah, Rabah Youssef MElhem Ziad Basal Mohamed Al Sadek	Dr. Farid Abed	CVE
Conductive Concrete Exposed to Elevated Temperature	Ziad Ahmed Ismail AlGhusein Munim Mbarok Ahmed Gahalla	Dr. Sherif Yehia	CVE
Environmental Quality and Management of Coastal Beaches in the UAE	Mahra Al Na'imni Jawahir Al Khajeh Fatma Muneer	Dr. Kari Parvez	CVE
Repair and Strengthening of CFRP-Wrapped Concrete Exposed to Elevated Temperatures	Abdulaziz Aljawan Hind Alhamoud Abdullah Haggi	Dr. Rami Haweeleh Dr. Jamal Abdalla	CVE
IoT-Based Road Bridges Health Monitoring & Warning System	Alaaeldin Mohamed Nour Mansour Nada Odeh Shahed Obeid Tarek Mohamed Ali	Dr. Abdulrahman Al-Ali Dr. Selwa Behery	CSE
Real-Time Component Detection & Object Reading System	Sera Raya Mahira Parhan Meriam Moadini	Dr. Imran Zuolkernan	CSE
Bi-directional translation of Sign Language and Speech/Text via a 3D Avatar Representation	Amita Elashar Karim Hamdan Yusuf Sharabibh Sahar Alshari Harshil Bhandari	Dr. Gerassimos Barlas	CSE
Smart Television Engagement Detection Using Body	Areebah Iqbal Khondoker Labib Rahman Kartavya Bhargava Albert Sebastian Fujal Muhammad Santosh Mishra	Dr. Imran Zuolkernan	CSE
Optimizing Cloud Seeding Using Remote Sensing	Semarth Raj Ahmed Abdul Saad Rachin Mathur Manarsh Touse	Dr. Imran Zuolkernan	CSE
Sustainable Parking Lot	Burhan Mohammed Khalid Adhami Marwan Al-Shaali Abdullah Binwahfooz	Dr. Salam Dhou	CSE
A deep learning approach for recognizing visually impaired Arabic letters using EEG signals.	Khalid Naji Aliya Elhouari Amr Hamza Farah Hammam Zahra Elsay	Dr. Rami Alazrai	CSE
IoT-based Black Box for Monitoring Delivery Motorcyclists	Alaa Tarik Amreen Ayub Marim Elsayeh Yasmine Tahany	Dr. Abdulrahman Al Ali Dr. Raafat Aburukba	CSE
Interactive Tour using Augmented Reality	Arwa Bayzouny Taqiyallah Elmohallawy Sasha Fayet Hisham Kasim	Dr. Hicham H. Hallal	CSE
Detection, Monitoring and Correction of Upper Cross Syndrome	Ammar Shaheen Mazen Elrawil Mimi Sara	Dr. Raafat Aburukba	CSE
Using Deep Learning to Model, Analyze and Visualize Urban Settings of	Jachrunya Chanchal Youssef Bassam Danyal Khan Frem Rajendran Maya Haj Hussain	Dr. Omar Arif	CSE
Deep-Learning Based Solutions for agricultural issues using UAV images	Iowara Khan Mohamed Elshandes Daa Abuham	Dr. Imran Zuolkernan	CSE
Implementing Smart Green Houses using IoT Devices	Hamed Al Mulla Lisouh Mohsen Hamad Alhamoudi Pierre Abdelaziz Jae Chwala	Dr. Michel Pasquier	CSE
Artificial Intelligence Driving Instructor	Muhammad Usama Burhan Hameed Yiqiang Ma	Dr. Michel Pasquier	CSE
Microwave based vibration monitoring smart robot	Tala Alshweh Fawaz Jaran Basma Al-Shurawi Zaineh Al Nassor Noura Al Ali Mervat Al-Kwasbi Hamda Al Mohammed Hind Al Fahmari	Dr. Nasser Qaddoumi Dr. Amer Zakaria	ELE
Detection of an abandoned child in a locked car	Mervat Al-Kwasbi Hamda Al Mohammed Hind Al Fahmari	Dr. Lutfi Al Basha	ELE
Barriers to primary healthcare access at MOHAP primary healthcare	Lara Abdoumoud Sera Aboulsih Yusef Alkhalifa Yousef Al-Muqer Younna Enein	Dr. Hussam Abshweh	HE
Using Artificial intelligence for Defect Prediction in Drilling Metal Matrix Composites	Aya Al Shar Mohammad Samha Aya Barazi	Dr. Noha M. Hassan	INE
Batch Vacuum Pump Destabilization	Kareem Moris Karim Dhad Kamel Kamal Omar Hossam	Dr. Mohammed Hamdan	MCE
Research, Development and Enhancement of a Sewage Pipe Inspection Robot	Muhammad Mubeen Hosam Saif Vishwesh Maheshwari Shaikha Al Zareeni Hadi Baboufoun Kerrouchi Murcia Haddad Abdell Kapadia Kareem Moris	Dr. Mamoun Abdel-Hafes	MCE
Autonomous Oil Spill Cleaning Robot	Hadi Baboufoun Kerrouchi Murcia Haddad Abdell Kapadia Kareem Moris	Dr. Mohammed Jaradat	MCE
Enhancement of CNG ICE Using Hydrogen From Photovoltaic-Powered Electrolysis	Hadi Baboufoun Kerrouchi Murcia Haddad Abdell Kapadia Kareem Moris	Dr. Mohammed Hamdan	MCE
Manta Ray Inspired Underwater Vehicle Propulsion System for Scouting and Data Collection	Hadi Baboufoun Kerrouchi Murcia Haddad Abdell Kapadia Kareem Moris	Dr. Mehdi Ghannem	MCE
Turbocharger Based Turbojet Engine	Hadi Baboufoun Kerrouchi Murcia Haddad Abdell Kapadia Kareem Moris	Dr. Mehdi Ghannem	MCE
Piezoelectric Cantilever Beams for Fluid Sensing	Magan Ghaly Marwan Hashem Nawaf Muhammad Ali Mohammed Abuoufah Abdulhadi Fayad	Dr. Mohammed Hamdan	MCE
Autonomous Solar-powered Marine Robot for Plastic Debris Collection	Magan Ghaly Marwan Hashem Nawaf Muhammad Ali Mohammed Abuoufah Abdulhadi Fayad	Dr. Mohamed Abdelgawad	MCE
Characterization of the electrical properties of epoxy resins at low-cost dielectric	Abdallah Aboukhaha Hes Zibou Mohammed Shehab Emil Seiba	Dr. Mohamed Abdelgawad	MCE
Enhancement of the fatigue properties in TiNb biocompatible shape memory alloys	Emil Seiba Layth Al-Khairalla Yusef Yahu Ali Najdi Muhammad Jarad Yusef Raza	Dr. Weel Abuaid	MCE
Customer Behavior Analytics in SME Retailers Using Machine Learning	Yusef Raza Samar Khan Ajmal Mohammed Hussain Laila Jettan Mohammed Farhan Rafal Haddo	Dr. Tamer Shanabli	CSE
Using Machine Learning for Physiotherapy Exercise Feedback	Yusef Raza Samar Khan Ajmal Mohammed Hussain Laila Jettan Mohammed Farhan Rafal Haddo	Dr. Raafat Abu-Rukba	CSE
Rehabilitation of Damaged Recycled and Lightweight Beams Using Fiber Cementitious Material	Mohamed Imhadi Ali Al Fahbouri Rafat Haddo	Professor Sherif Yehia	CVE
Sustainable Reuse of Oyster Shell Waste to Extract Phosphorus from Aquaculture Effluents	Alina Anca Tabarak Al-Jalali Ahmad Mansour Basma Roub Mostafa Nasr Sulwan Khan	Dr. Maruf Mortula	CVE
FPGA Digitization of Radar Signals	Alina Anca Tabarak Al-Jalali Ahmad Mansour Basma Roub Mostafa Nasr Sulwan Khan	Dr. Lutfi Albasha	ELE
Shielding effectiveness of conductive concrete exposed to elevated temperature	Surat Jahan Erin Keem Alnaghi Abdullah Ahmed Ali Karim Omar Mohammed Taha AlRajai	Dr. Nasser Qaddoumi	ELE
Building a portable thermal cycler for PCR applications	Mohamed Abdelgawad Taha AlRajai	Dr. Mohamed Abdelgawad	MCE
Development of lightweight robot arm for wheelchair (WWRM)	Mohamed Abdelgawad Taha AlRajai	Mohammad Jaradat	MCE