



University of Mosul / College of Engineering

Computer Engineering Department

Graduation Projects for the Academic Year 2020-2021

No.	Project Title	Supervisor	Students
1	Smart Home Automation System Based on Bluetooth and Arduino	Prof. Dr. Salah Abdulghani	Mustafa Ahmed Abdullah, Mustafa Saad Saleh
2	Intelligent Lifesaving Route Robot	Asst. Lect. Mohammed Tarek Mohammed	Banan Khalid Hamed, Neam Raed Ahmed
3	Data Exfiltration Using DNS Tunneling	Dr. Omar Ahmed Yousef Nakhla	Qamar Burhan Abdullah, Zainab Bashar Ibrahim
4	Human Skin Texture Type Classification Using Image Processing	Dr. Mazin Hashem Aziz Al-Ibrahim	Eman Ali Mohsen, Noor Ghanem Abdullah
5	Fire Security System Using Arduino	Asst. Lect. Hasan Fakhri Al-Layla	Abdulrahman Maher Jasim, Hatem Ahed Mohammed
6	Social Distancing Alarm and Hand Sanitizer Using Arduino	Asst. Lect. Hamed Abdulaziz Al-Hamawi	Zeina Mahmoud Mousa, Athraa Saad Tannous
7	Smart Home Using Raspberry Pi	Asst. Lect. Mudhar Ahmed Al-Dulaimi	Bilal Raed, Ahmed Amer Thamer
8	Smart Energy Balancing System	Asst. Lect. Hudhaifa Rabee Mohammed	Marwa Mohammed Ahmed, Amina Emad Abdullah

No.	Project Title	Supervisor	Students
9	Interactive Hardware and Software for School Students Based on Circuit Playground Express	Asst. Prof. Rabee Mowafaq Hajim	Zahraa Saaduddin, Abdullah Abdulkarim Hashem
10	Smart Beehives	Asst. Lect. Ali Mukhlif Ahmed	Donia Yasser Ali, Fatima Hassan Ali
11	IoT Applications for Elderly Healthcare	Dr. Turkan Ahmed Khalil	Zaid Saeed, Elaf Majid Issam
12	Smart Office Automation System for Energy Saving	Prof. Dr. Salah Abdulghani	Hassan Basil Yousif, Abdullah Mohammed Khalil
13	Cloud-Based Online Blood Bank System	Asst. Lect. Shaimaa Nizar Hussein	Moyasser Hazem, Mohamed Saleh
14	Handwritten Recognition	Dr. Ammar Idris Dawood	Esteban Khalil Dawood, Abdullah Saad Mohammed
15	Automatic Attendance System	Dr. Ammar Idris Dawood	Aya Munaf, Amina Mohammed Younis
16	Smart Home Security System	Dr. Basman Mahmood Al-Hafidh	Aya Bashar, Noor Saad
17	Real-Time Biometric Authentication Based on Keystroke Dynamics	Asst. Lect. Mustafa Seham Al-Musabi	Aisha Majid, Maryam Mowafaq
18	Automatic Room Light System for Power Saving	Asst. Lect. Noor Mowafaq Jabr	Firas Daoud, Moayad Al-Rahman
19	Image Compression Without Data Loss	Asst. Lect. Muhannad Faris Saleh	Zeina Ahmed, Hala Basil Tawfiq
20	Plant Leaf Diseases Classification	Asst. Lect. Akram Abdulmajeed Dawood	Noor Nashwan, Maryam Mahmoud

No.	Project Title	Supervisor	Students
21	Controlling Servo Motors for Some Applications Using Arduino Kit	Asst. Lect. Hussein Mahmoud	Zahraa Khalaf, Maryam Fawaz
22	Assistance Systems for Smart Vehicles Using Arduino	Asst. Lect. Noor Salah Al-Khayat	Maryam Mohammed, Saja Mohammed
23	Arduino-Based Smart Home Automation	Asst. Lect. Qasim Abdullah Ahmed	Duha Anmar, Abdullah Waleed
24	Designing a Car Gesture Control System	Dr. Dhafer Abdul Fattah	Maysam Ibrahim, Nabaa Abdulhameed
25	COVID-19 Patients Monitoring System	Dr. Sura Noufal Al-Rawi	Donia Iyad, Reem Nashwan
26	Secured Proxy Server in a Network	Asst. Lect. Nada Ismail Najm	Haider Hamid, Khamaile Khudair
27	Patient Monitoring System in Hospitals and Homes Based on IoT Using Arduino	Asst. Lect. Shaimaa Nizar Hussein	Shukriya Aldin, Marwa Amer
28	Digital Image Watermarking	Asst. Lect. Sahar Khalid Ahmed	Lara Arkan, Reem Khalid
29	Arduino-Based Earthquake Detector Alarm	Dr. Turkan Ahmed Khalil	Sura Saad, Kareem Salman
30	JPEG Steganography – Data Hiding in Images	Asst. Lect. Muhannad Faris Saleh	Muna Ali, Raghad Fares
31	Analysis of Attenuation Compensation Using Erbium-Doped Fiber Amplifiers on WDM Optical Networks	Asst. Lect. Jumanah Abdullah Kareem	Ali Diaa, Hassan Ali