

## List of graduation projects for the academic year 2020-2021

Name of supervisor(s)	Name of student(s)	Title	No.
Yousef Ismail Mohammed	Ibrahim Bassem Jassim Muhammad Abdul latif Ali Qusay Khalaf	Optimal Human Robot Arm Trajectory Based on Electromyography (EMG) Signal	١
Ahmed Abdullatif Abbas	Ahmed Muhammad Hardan Tayf Saleh Abd Muhammad Ali Hussain	Design and implementation 3D printer	٢
Muath Jassim Mohammed	Ghazi Mohammad Hameed AbdulRahman Rifaat Saken Mustafa Shukur Mahmoud	Simulation of Variable Frequency Drive with V/F Control	٣
Mushtaq Najib Ahmed Falah Shalal Khalifa	Qalbuldeen Ahmed Obaid Saleh Ragheb Jassim Mustafa Munther Naji	An Optimal Automatic Generation Control for Two-parallel Interconnected Power System	٤
Omar Kamal Daham	Taha Bahaa Saeed Bilal Yehya Eiada Muhammad Moneim Obaid	Speed Control of Three Phase Induction Motor Using V/F Method	٥
Omar Kamel Daham	Sarah Muzaffar Mahmoud Avan Sufyan Zubar	Analysis and modelling the stator slot dimensions of BLDCM Using FEM	٦
Sattar Sabri Kaream	Omar Taha Muhammad Nour Nazih Nouri Sura Alaa Rasoul	Design a speed control of DC motor using boost DC to DC converter with MATLAB SIMULINK	٧
Balsim Salem Sumait	Alaa Tarki Mandil Rania Samir Abdul Halim Rowaida Hashim Mohammed	Null Steering Optimization Based Beamformer Using Firefly Algorithm	٨
Ehsan Hamyan Sabbar	Amna Raad Ahmed Naseem Mouloud Taleb Omar Abdullah Hammadi	Using different techniques for cleaning solar panel	٩
Naser Farhan Abdullah	Athraa Sabah Abbas Anwar Adel Abdulilah Sirin Hatem Abdulrazzaq	The impact of using femto cells on the performance of 4G mobile network	١٠

Mohamed Ali Hussein	Bilal Ahmed Abd Nazir Khalil Ibrahim Rami Obaid Muhammad	Adjacent and Co-Channel Interference	١١
Yasser Abdel Hafez Ahmed Mustafa Ahmed Nayef	Akram Khasha Naji Anas Mohammad Abdulhameed	Fault Detection and Their Location in Transmission Line	١٢
Abdullah Khalid Ahmed	Abdul Kuddoos Saleh Muhammad Mahmoud Shawka Mikhliif Ahmed Hashim Randall	License plate detection using MSER	١٣
Zainab Najib AbdulHameed	Bakr AbdulGhani AbdulWahab Duha Khaled Ahmed AbdulMalik Marwan Mahmoud	Speech Encryption Based on Chaotic Maps	١٤