

# University of Mosul / College of Engineering



## Computer Engineering Department Graduation Projects for the Academic Year 2025-2026



Supervisor Name	Project Student Names	Project Title	No.
Prof. Dr. Salah Abdulghani	Zaid Nashwan Mousa Abdullah Akram Hussein	Wireless Power Transfer (WPT) for Charging an Electric Device	1
Dr. Turken Ahmed	Marilyn Bashar Suleiman	Generating sustainable energy from human movement using piezoelectric technology and the IoT	2
Dr. Ammar Idris	Adel Mohammed Adnan	Design and Implementation of an Intelligent Movable Camera System Using Real-Time Object Tracking	3
Dr. Ammar Idris	Abdulrahman Hashim	Innovative Semi-Autonomous Robotic System for Unwanted Plant Control	4
Dr. Ali Muklef	Sarmad Dakheel Murad Safar Attallah Salem	TalkGlove – Wearable Sign Language to Speech	5
Dr. Ali Muklef	Ahmed Natheer Saleh Bahiyya Hisham Abdulsamad	Gesture-Controlled Robot	6
Dr. Zafer Abdel Fattah	Abdulrahman Thamer Ubaida Ibrahim	FPGA-Based Design of a Sobal Filter	7
Dr. Zafer Abdel Fattah	Maryam Anwar Jasim Dunya Salah Ali	Design a Waveform Generator Using FPGA and SPI-Interfaced DAC	8
Dr. Ammar Abdul Hamid	Manar Ammar Mahmoud Zainab Bashar Awad	Smart Farm Monitoring: IoT and LoRa-Based Approach for Agriculture and Poultry	9
Dr. Zahra Talal	Abrar Alaa Abdulsalam Hussein Ahmed Saeed	Driver Drowsiness Detection System Based On Facemesh Machine Learning Solution	10
Dr. Basmann Mahmoud	Hiba Nabil Khalil Israa Khalid Fattah	Intelligent Waste Management System for UoM Using Machine Learning Algorithm	11
Warqa Younis	Ahmed Natheer Ahmed Ayoub Salem Abdullah	Plant Monitoring System Using IoT Technology	12

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Nada Ismail	Osama Mohammed Abdul Mustafa	Data Encryption System Based on Quantum Computing (Preliminary Simulation)	13
Noor Mowafq	Anmar Rezan Salim Qasim Abbas	food freshness detection	14
Mohammad Tarq	Abdullah Muayyad Mohammed Omar Hussein Mohammed	IoT-Powered Water Leakage and Quality Monitoring System for University of Mosul Buildings	15
Hassan Fakri	Taher Mustafa Farhoud Aya Muwaffaq Idris	IoT smart monitoring resources consumption	16
Muhnad Fairs	Ubaida Bashar Abdulghani Mohammed Safwan Idris	YOLO Object Tracking, Detection by surveillance camera	17
Heba Dyaha	Haider Laith Salem Ismail Riyadh Ismail	Gestures to Phrases An Intelligent Sign-to-Text System	18