



**University of Mosul / College of Engineering**

**Computer Engineering Department**

**Graduation Projects for the Academic Year 2024-2025**

No.	Project Name	Supervisor Name	Student Name
1	Interactive Network Simulation and Visualization Tool for Educational Purposes	Prof. Dr. Salah Abdulghani	Abdul Qadir Adnan Abdullah
2	Dental decay recognition using computer vision methods	Dr. Ammar Idris,	Muhammad Nizar Hamdoon, Muhammad Ali Burhan
3	Enhanced Traffic Light Control System Based on Picoblaze Embedded Micro-Controller	Dr. Zafer Abdel Fattah	Aziz Akram Aziz Siri Sabah Shaban
4	Exploring LCD Interfacing and Output Display	Dr. Zafer Abdel Fattah	Tamara Louay Jarallah Marwa Ali Ibrahim
5	Facial Emotions Detection Using Neural Network	Dr. Zahra Talal	Noor Duraid Hazem Hiba Noufal
6	Building a ChatGPT-Powered Voice Assistant: Hardware and Software Integration	Dr. Basmann Mahmoud	Hiba Wa'adallah Abbas Bushra Omar Muhammad
7	Detailed Study of Software Options for Remote Monitoring and Control in Refrigerated Warehouses: A Comprehensive Analysis of Available Choices	Dr. Basmann Mahmoud	Zakariya Jaafar Muhammad Sami Elias Mujoo
8	Design and Implementation of a Real-time Non-Contact Stethoscope Based on rPPG Signal Detection from Facial Video	Dr. Mazen Hashim	Sidra Mohammed Raouf AbdullahDalaal Shamil
9	Design and Implementation of a Tactile Simulator to Enhance the Human	Dr. Mazen Hashim	MaysarShakir Bashar

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	Sensory System Using the skin-on-plotting Approach		
10	Design and Implementation of a Real-Scale Floor Plan Mapping Robot at the Construction Sites	Dr. Mazen Hashim	HusseinAbdullah Nizar
			Mohammed Durgham
11	Smart Energy Meter	Dr. Inam FathiDr.	Rafel Basim Habib
			Ahmed Majid Abdulrahman
12	Smart Shopping Cart	Ola Tarek	Laith Faiq Hatem
			Abdullah Laith Abdulhalim
13	Air Quality Monitoring System	Noor Mowafq	Yazan Qasim Othman
			Abdullah Ahmed Abdullah
14	Object detection using YOLO Algorithm	Hamid Abdulaziz	Abdulaziz Yaqthan Abdulaziz
			Mariam Younis Khodr
15	Deep Learning-based image colorization	Muhannad Fares	Yana Rafel YoussefAbai
			Omar Ahmed
16	Virtual smart pharmacy data inventory designed using blender	Manar Mazahem	Sharoukin Wadha Sabeih
			Mohamed Manhal Abdulmajid