

جامعة السلام الدولية كلية الهندسة

## **Car Parking System By Arduino**

A project Submitted in partial Fulfillment of the Requirements for the Degree of Bachelor of Science (BSc) in Electrical and Telecommunications Engineering

Student: Jamila Ali Alfergani (6180078) Wejdan Ashraf Alshatshat (6180021)

Supervisor: Prof. Tawfiq H. Elmenfy

Fall 2025

## **Abstract**

This project is to set up smart parking system. According to primary investigation, nowadays maximum people want a smart parking system for hassle free parking with digital assistant.

Smart Car Parking aims to providing a confusion free and easy parking. This project helps the drivers of the cars to park their vehicle with minimum wastage of time with accurate information of the availability of the space to park it includes an Arduino Uno as microcontroller unit to which the servo motor, LCD display ultrasonic sensors are . the ultrasonic sensor detect the availability of the parking space