



**Republic of Iraq
Ministry of Higher Education
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University of Babylon
College of Information
Technology
Department of Information
Network**



Send Location Based on Iot

This Graduation Project was submitted to the Department of Information Network in Partial Fulfillment of the Requirements of the award of Bachelor's Degree in Information Network of Information Technology

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Abstract

The "Send Location Based on IoT" project introduces an innovative approach to enhancing safety and connectivity by integrating GPS and Internet of Things (IoT) technologies. This project focuses on creating a user-friendly system that enables individuals to easily share their real-time location with others, particularly in emergencies or when location information is critical. This tracking system could track children, the elderly, the disabled, women in danger, and even pets. By pressing a button, an SMS is sent to a predefined phone number, disclosing the coordinates of the location. The workings of the system are based on an existing GSM network and GPS satellites. This tracking system transmits the longitude and latitude coordinates to the cell phone.

By leveraging the capabilities of IoT devices, such as smartphones or wearable gadgets, users can initiate location sharing with just a few simple steps. The system seamlessly communicates with IoT-enabled platforms, ensuring accurate location data is transmitted efficiently to designated recipients or monitoring centers. The project is designed to be easy for everyone, including children, the elderly, and those with varying levels of tech experience. "Send Location Based on IoT" uses easy interfaces and automation to keep users connected and safe, promoting peace of mind in today's connected world.