جامعة السلام الدولية

كلية الهندسة

Project Tile:

INTRANET OF THINGS BY USING RFID TECHNOLGY

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

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Abstract:

The implementation of Intranet of Things (IoT) utilizing Radio Frequency Identification (RFID) technology at Assalam International University represents a transformative initiative aimed at enhancing operational efficiency, security measures, and user experience within the university ecosystem. This project focuses on advancing student information management, optimizing traffic tracking, enhancing library services, and fortifying security protocols to create a technologically advanced and secure campus environment for students and stakeholders. By harnessing the power of RFID technology, the project aims to streamline student information management processes, enabling efficient student identification, access control, and personalized services. Real-time traffic tracking using RFID sensors facilitates crowd management, improves logistics, and enhances safety measures across the university campus. The integration of RFID technology in library services automates book management, facilitates efficient check-in and check-out processes, and cultivates a conducive learning environment for students and faculty. The project emphasizes augmenting security measures through RFID-based access control systems, surveillance solutions, and emergency response protocols, ensuring a safe and secure environment for all university constituents. Through a cohesive approach encompassing student information management, traffic tracking, library services enhancement, and security reinforcement, the project aims to modernize operational processes, optimize resource utilization, and elevate the overall educational experience at Assalam International University. This abstract encapsulates the multifaceted approach of the project in leveraging RFID technology within the IoT framework to revolutionize student information management, traffic tracking, library services, and security measures at Assalam International University, ultimately creating a technologically advanced and secure campus environment for students and stakeholders.