Project	MOTORCYCLE THEFT PREVENTION SYSTEM VIA SMARTPHONE
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Abstract

This project aims to develop a device that ensures the safety of motorcycles. Motorcycles are a common means of transportation that often need to be parked in various locations, making them challenging to safeguard. Unlike other possessions that owners can easily monitor or keep with them, motorcycles are mobile assets with considerable value, making them particularly vulnerable to theft. The risk of motorcycle theft is high, and incidents are becoming increasingly severe. Unfortunately, the statistics for apprehending offenders are not promising, as not all perpetrators are caught, allowing some to reoffend. This situation reflects the societal challenges in combating rising crime rates, which lead to significant losses of life and property. This project utilizes an MCU node in conjunction with a GPS module to develop a system that enhances the security of motorcycles. The system is designed to detect the motorcycle's location, disable its functionality in the event of a theft, and enable real-time tracking, ensuring prompt recovery.

Keywords IoT, MCU Node