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IoT Controlled Metal Detecting Robot

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Abstract: The design and implementation of an IOT-controlled metal detecting robot for efficient and accurate detection of metallic objects in various environments. The robot integrates IOT technology, including sensors and wireless communication, to enable remote control and real-time monitoring. The system utilizes a combination of metal detectors and proximity sensors to identify and navigate around obstacles while detecting metal objects. Through the integration of IOT, the robot can be controlled and monitored remotely via a Smartphone or web interface, providing flexibility and convenience to users. Experimental results demonstrate the effectiveness and reliability of the proposed system in detecting and navigating through diverse environments, showcasing its potential applications in security, industrial, and archaeological fields.

Keywords: Internet of Things

