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Mine Detecting Robot Prototyping

Robot application for human security is an important topic in the research domain. From military domain to medical one, many applications are developed to ameliorate human life. A mine detecting robot is a revolutionary military advancement and a lifesaving invention that can benefit humanity as all. The robot is guided by an android application that allows it to scan the infected area, while a beat frequency oscillator is used as mine detection sensor placed on servo motor in front of the vehicle. This paper proposes a design of a mine detecting sensor and implementing it in a robotic prototype. The embedded proposed system is based on Arduino technologies and guided by an Android Application.