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Warfield Spying Robot Using LoRa

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Abstract : Today as technological advancements are taking place, these advancements are being used by the armed forces to reduce the risk of their losses and to defeat their enemies. The development of sophisticated technology relies mostly on the use of high- tech weapons or machinery. Robotics is one of the hot spheres of the modern age in which nations concentrate on the state of war and peace for military purposes. They have been in use for demining and rescue operations for some time now but are being propelled by using them for combat and spy missions. This project focuses on creating a LoRa-based spying robot with a wireless IP camera attached to it that can rising the human target. This robot transmits the signal via an IP camera to the base station. One of this project's major applications can be analyzed using a PC that can be used to control the robot's movement. The robot sends the signal through the LoRa transceiver at the base station to the LoRa transceiver mounted on the robot. With this function, the, robot can relay videos in real- time along with anti-collision capabilities and the enemies in the war zone cannot recognize them. More importantly, this project focuses on increasing communication using LoRa.

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