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(57) Abstract :

In the current century, there has been an increase in crimes and malicious activities around the world creating a need for a reliable surveillance technology. The areas with such activities rely on fixed surveillance technology which can be easily tampered with. A four legged walking robot is capable of accessing such places and it can also conquer rough terrain, dodge obstacles making it perfect for surveillance and monitoring. Aim behind the project is constructing a robot to carry out task using robotic arm and carry out monitoring in remote areas using The Jansen Mechanism. The robot is constructed using open source soft ware and hardware like Adriano Mega, ESP32, servo-motors etc. The motto behind the project is avoiding human risk which is involved in dangerous areas by use of an autonomous walking robot.

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