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(57) Abstract :  
ABSTRACT A MOBILE WIRELESS VIDEO SURVEILLANCE ROBOT FOR CONSTANT SIGHTING CHECK A robot has been developed which can be used for multipurpose applications related to surveillance with a wireless motive. It is mainly implemented for monitoring various circumstances in the surrounding environment. We propose a cost effective four wheels surveillance robot using raspberry pi microcontroller which employ servomotor including DC Motor, RC receiver and transmitter, various types of different sensors etc. A high resolution video camera is attached with the robot for acquisition of images and video from the surrounding. By watching the situational images and videos, it is the user who can get the idea of environment. This system is very useful for monitoring in areas where there is no Internet connection and also the collapse of the communication system during any disaster. Our project "Wireless Surveillance Robot" describes the scopes and methods. This invention is designed to develop a robotic vehicle using android application for remote operation attached with wireless camera for monitoring purpose. The robot along with camera can wirelessly transmit real time video with night vision capabilities. This is kind of robot can be helpful for spying purpose in war fields. The wi-fi technology is relatively new as compared to other technologies and there is huge potential of its growth and practical application. The android application loaded on mobile devices, can connect with security system and easy to use GUI.

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