

## ABSTRACT

Spy robots are remotely controlled robots, equipped with a camera, transmitting video data to the intervention troop.

They are made to small and compact enough to easily transport. This project supposes a movable spy robot with a remote controller by using arduino. The spy robot is made up of a wireless camera, an antenna, batteries and four movable wheels. The two different PICs are used to remotely control along wireless system and to control Spy robot. CCD camera is used to capture information surrounding the robot.

And this robot work avoiding the obstacle. This can prevent possible entanglement, allow for better obstacle avoidance and possibly allow software to distinguish between obstacles of different shapes and sizes. There are several methods used to allow a sensor to detect obstacles from a distance.

Radio Frequency modules signals are used in wireless remote control system for transmitting and receiving wireless logic signals to control the motors of the Spy robot control system. The three Brush DC motors and the two L298N are involved in Remote Operated Spy Robot. L298N are used to drive the Brush DC motors respectively.

In our project Mobile Controlled Robot using DTMF, we implement a smart logic and control system based on embedded systems using a micro controller, here the DTMF robot machine is controlled by the mobile signals, in which we make a call to the mobile phone which is inter connected to the DTMF robot operated at auto answer mode, based up on the instructions given by our cell phone the robot operation depends our mobile acts as an remote control for the robot.

