

INTELLIGENT SPY-WAR ROBO

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ABSTRACT— *The global focus on terrorism and security may have geared up following the 26/11 attacks in the MUMBAI. The risk of terrorist attack can perhaps never be eliminated, but sensible steps can be taken to reduce the risk. The word “Robot” was first used in a 1921 play titled R.U.R. Rossum’s Universal Robots, by Czechoslovakian writer KarelCapek . Robot is a Czech word meaning “worker.”*

KEYWORDS : *Spy-war robo ,bluetooth module.*

I. INTRODUCTION

The global focus on terrorism and security may have geared up following the 26/11 attacks in the MUMBAI. The risk of terrorist attack can perhaps never be eliminated, but sensible steps can be taken to reduce the risk. The word “Robot” was first used in a 1921 play titled R.U.R. Rossum’s Universal Robots, by Czechoslovakian writer KarelCapek . Robot is a Czech word meaning “worker.” Merriam-Webster defines robot as “a machine that looks like a human being and perform various complex acts; a device that automatically performs complicated, often repetitive tasks; a mechanism guided by automatic controls.” ISO describes a robot as “an automatically controlled reprogrammable, multipurpose manipulator programmable in three or more axes, which may be either fixed in place or mobile for use in industrial automation applications”.

SPY-WAR robo works with android system

Android is a mobile operating system developed by Google, based on the Linux kernel and designed primarily for touchscreen mobile devices such as smartphones and tablets. Android's user interface is mainly based on direct manipulation, using touch gestures that loosely correspond to real-world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input. In addition to touchscreen devices, Google has further developed Android TV for televisions, Android Auto for cars, and Android Wear for wrist watches, each with a specialized user interface. Variants of Android are also used on notebooks, game consoles, digital cameras, and other electronics. Android's source code is released by Google under an open source license, although most Android devices ultimately ship with a combination of free and open source and proprietary software, including proprietary software required for accessing Google services. Android is popular with technology companies that require a ready-made, low-cost and customizable operating system for high-tech devices

1.2 SPY-WAR WITH ANDROID SYSTEM

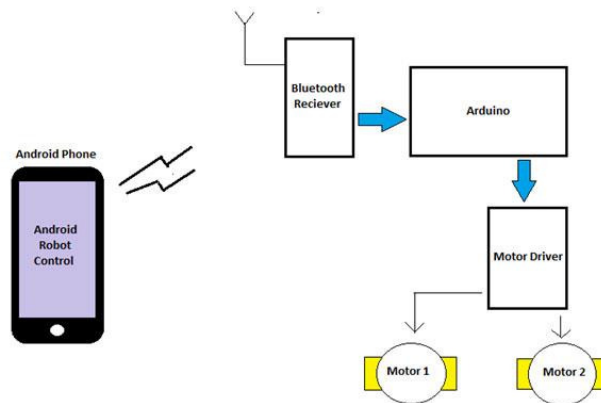


Fig.1 Robo with android system

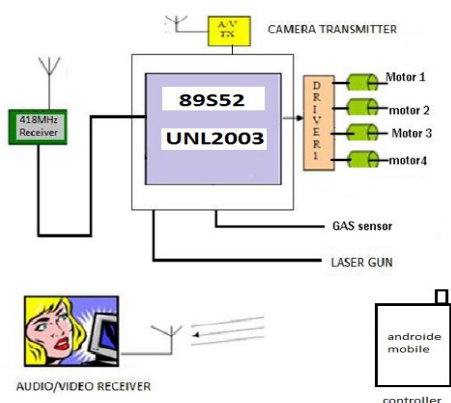
II. LITERATURE REVIEW

This robo is self powered , android system is used in this robo to control this robo through wireless system like Bluetooth. it has all the controls like normal car, it has 4 wheals which is used to move forward backward and left right directions respectively, a wireless camera is fixed on this robo so that we can see the live view of the particular situation, and we can also move this camera towards up n down direction using one key. Next is firing system ,firing system is main in this robo to eliminate the terrorists. We have used laser gun that can fire laser beam towards enemy and cause lot of harm to them. Next part we have used is gas sensor, gas sensor plays also an very important role in this robo, if there is a dangerous gasses present in particular area then this gas sensor will detect it and so that our police men or military men will use precaution. All of these function where controlled by our simple android mobile, by pairing Bluetooth to our robo.

III.WORKING PRINCIPLE

Robots also work under precarious conditions, for search and rescue after disasters. A host of robots built by the University of South Florida’s Centre for robot assisted search and rescue were in action at the world trade centre site within hours after the disaster to delve into the rubble and rescue survivors. Similarly, robots are also put to work in underground mines. A lot of research today is focused on improving rescue functions of robots We aim to develop a model which will be efficiently used to minimize terrorist causality. Being able to achieve reliable long distance communication is an important open area of research to robotics as well as other technology areas. As interest in robotics continues to grow, robots are increasingly being integrated into everyday life. The results of this integration are end-users possessing less and less technical knowledge of the technologies Currently, the primary mode for robot communication uses RF.

IV. IMPLEMENTATION OF SPY-WAR ROBO



- **Camera**

The wireless camera used in the intelligent spy war robot is used for the overall live view of the particular area wherever the spy robot is driven. The camera is connected at the front side of the spy war robot. The camera connected is totally movable in upwards direction and the downwards direction. This movement of the camera is operated with the help of the android application installed in mobile phone.

- **Gas Sensor**

The Gas Sensor used in the intelligent spy war robot is used for the main operation that is the sensing of the dangerous gases in the area where the intelligent spy war robot is driven. It also helps the operators to take the major precautions. The gas sensor as soon as detect the gas present in the area it starts beeping to inform the operator about the gases.

- **Laser Gun**

The laser gun is connected on the intelligent spy war robot for the purpose of the shooting the enemy, we will first of all will come to know whether there is an enemy or not in the area with the help of the camera, then with the help of remote control the operator will press the button of the fire as soon as the enemy is seen in the camera. The laser gun is connected on the top of the spy war robot.

- **Mobile Control With Bluetooth Application**

The control of the overall robot is operated using the Bluetooth app which is installed in the android mobile with the help of the coding in pc. The Bluetooth module is placed in the spy war robot and then the Bluetooth is connected with the mobile phone. All the movements of the robot that is the forward, reverse, upwards, downwards, fire, gas sensor, camera view, start and stop is done with the mobile android Bluetooth application.

- **Monitoring**

The Monitoring of the robot is done by using the a/v receiver. This receiver is connected to the laptop, tv, or pc hence we will be able to see the full view of the area wherever the camera will be driven by the operator.

- **Android system**

Android is a mobile operating system developed by Google, based on the Linux kernel and designed primarily for touchscreen mobile devices such as smartphones and tablets. Android's user interface is mainly based on direct manipulation.

V. RESULTS

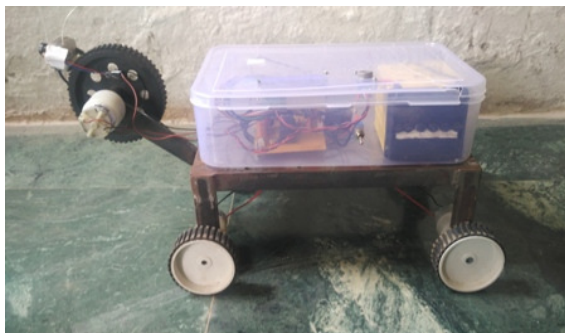


Fig.2 Spy-war robo

Android designed to direct the orientation of robot and to operate the gas sensor. Robot keeps on moving in two modes i.e., Manual mode and self-mode. It's brought under user's control in the case of manual mode. In self-mode, robot starts moving over surface and takes action according to the scenario. To detect the obstacles, we have deployed Infrared sensors (left sensor and right sensor) in the front portion of the module. While moving on the surface, if the left sensor is detected, robot takes back the position for a moment and

moves right. If the right sensor is detected, robot gets back and moves left. It can fire the enemy whenever we want.

VI. APPLICATION

- Can be adequately implemented in national defense through military-industrial partnership.
- Can be vastly applied in Resorts, borders of noted buildings.
- Installation of combat robots in the stadiums, sacred places, government and non government organizations assures top security.

VII. FUTURE SCOPE

- Robot keeps on moving in two modes i.e., Manual mode and self-mode. It's brought under user's control in the case of manual mode.
- In self-mode, robot starts moving over surface and takes action according to the scenario
- Remotecontrollers are designed to direct the orientation of robot and to operate the gas sensor. Robot keeps on moving in two modes i.e., Manual mode and self-mode.

VIII. CONCLUSION

The main advantage of this robo is to spy n attack the enemy, it can go whenever it want and controlled by a single person. Its not an difficult job to control this robo. It is mainly used to spy and attack so that this robo can attack the enemy whenever we want. And it shows live view of particular area so we will be always one step ahead of our enemy.

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