
Metal Detector Robotic Vehicle



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ABSTRACT

Landmines are the most destructive equipment which are laid under some feet's or on surface of grounds. They explode once a living things' foot make contact with the spring at the top of the mine.

These killing machines are laid in the vast fields and are very difficult to detect by naked eye .These killing machines needs to be identified and living things should be saved from this slaughtering equipment. This robot which will go into fields and detect landmines which are under ground by the help of metal detector sensor which is placed at the front of our robotic vehicle. Robot will be moved with the help of Bluetooth module which will drive motors. This robotic vehicle would be controlled by an android phone using Bluetooth RF application.

CHAPTER 1

INTRODUCTION

1.1 Background:

According to a report by CNN there are thousands of people who are killed by land mines, most of whom are civilians. Landmines contain explosive matter with eruptive system which burst when a person or vehicle make contact with it. Landmines are commonly placed 15cm below ground or sometimes on field. Majority of them are innocent and some lose their loved ones. In many cases, there are even more dangerous and heartwarming outcomes but the danger remains due to the difficulty of finding and destroying the mines. So it is very important that these death machines should be detected and removed in order to save lives of innocent civilians, and with thousands of them planted worldwide it is a challenging task. It is very compulsory to disarm them. According to ICBL (International Campaign to Ban Landmines) number of injuries across the globe rose up to 6461 in 2015, which is 75% of preceding year. According to information citizens, were more than three quarters and 38% were kids. ^[1]