

LANDMINE DETECTION ROBOTIC VEHICLE

ABSTRACT

In today's world Nation security is most important thing today and therefore there is a need to consider safety of the soldiers and army who fight for the nation's security. One of the major concerns is the mine that is laid by the enemy on the way. So it becomes very important to detect this mine and diffuse them to save the lives of soldiers and armies. This is now made possible with Landmine Detection Robotic Vehicle with GPS Positioning.

The aim of this project to design Landmine detection, if any on the position of land surface; it detects and alert the respective department using notification on android app. It also locates the mine position of land surface using GPS. In this project system can scan a rectangular area efficiently and scan it for landmines. For this, the system makes use of metal detector for detecting these mines. Once the system detects the mine, it stops the robotic vehicle at the location where the mine is being hidden. After which system makes use of GPS to track the position of the mine and then sends message notification on android app indicating the position of the mine that is hidden in the land. Here the arm controller is used to process data sent by the metal detection system and stop whenever it is detected.

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