

# LIVE HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION

## ABSTRACT

Natural calamities do occur and they are unstoppable. But humans are becoming increasingly aware in the concept of intelligent rescue operations in such calamities so that precious life and material can be saved though calamities cannot be stopped. Still there are lots of disasters that occur all of a sudden and Earthquake is one such thing. Earthquakes produce a devastating effect and they see no difference between human and material. Hence a lot of times humans are buried among the debris and it become impossible to detect them. A timely rescue can only save the people who are buried and wounded. Detection by rescue workers becomes time consuming and due to the vast area that gets affected it becomes more difficult. So the project proposes an autonomous robotic vehicle that moves in the earthquake prone area and helps in identifying the alive people and rescue operations.

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**SHIELD TECHNOLOGIES,**  
**2232, 3<sup>RD</sup> FLOOR, 16<sup>TH</sup> B CROSS, YELAHANKA NEW TOWN, BANGALORE-64**  
Mail us: [shieldtechnobl@gmail.com](mailto:shieldtechnobl@gmail.com) / [manager@shieldtechno.com](mailto:manager@shieldtechno.com)  
**Contact: 9972364704 / 8073744810**