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(57) Abstract :

Abstract: In order to meet the ever-increasing demand for, water, bore wells are dug. But these are usually left uncovered and children fall into it. The main aim of our article is to save the child from the bore well, so we proposed a rescue robot for the rescue of a child from bore well using supervised learning techniques. We aid the child by continuous monitoring using camera and supply of necessary items mainly, air filler which supplies oxygen for the survival. Robot for bore well rescue offers solution to this situation. This system will attach a harness to child using robotic arms for picking up. It includes an infrared transmitter and receiver to calculate the distance to the child. A temperature sensor is used to measure temperature and gas sensor is used to detect the presence of any toxic gas. The proposed system will easily rescue the child without major injury.

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Patent Search

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Abstract:

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Complete Specification

We Claim:

1. A robotic framework for rescue robotics in bore-well environment has been proposed here.
2. Deeply observing those incidents and looking at the current circumstances we feel that we need to develop such framework for saving those innocent lives.
3. With lots of challenges relating to mapping in unknown environment, real-time tele operation in low lighting conditions, arm manipulation system.
4. Since this invention is vital and if implemented in various areas the falling of children in the bore well and no. of deaths arising out of this can be completely avoided.
5. This invention is cost effective, the labour required will be barest minimum and wastage of time is drastically cut down.

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