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(57) Abstract :
The bore well accidents are now become common everywhere. India is facing a distressed cruel situation where in the previous years a number of child deaths have been reported falling in the bore well. As the diameter of the bore well is quite narrow for any adult person and the lights goes dark inside it, the rescue task in those situations is a challenging task. The main objective of this invention is to design and construct a portable robot which is cost effective, quick in action and accurate. The Bore well Rescue Robot is capable of moving inside the well and performs operations according to the user commands. The proposed model is designed to provide the child with two level of safety achieved by using robotic holding at the top and live environmental monitor using Temperature and Humidity. This arrangement ensures that the child does not slip further deep during the rescue operation. The robot is operated by the Human manually and monitor in computer with camera. This camera captures the live video and send to the base station directly. According to the observations made continuously using camera. A technique for rescue task in bore well environment has been proposed, a robotic System which will attach a picking up mechanism. This complete system Organized by Arduino controller and controlled by wireless Bluetooth or joystick.

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