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Real Time Implementation of an Advance Child Rescue System for Open Bore well

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Abstract: *The past few years' water scarcity is the major problem in our society. The level of the water has become down, so many bore well has been dug and it is left uncovered properly which has become the death pits of many children and has taken the lives of many children. The time taken to rescue a child from an bore well takes about more than 72 hours .Due to an lack of an proper oxygen and humidity, the lives of an many child couldn't be saved. Recent survey says that about 10 of them 3 were rescued after a long process. This has become challenging nowadays. The main aim of this technique is to rescue to an child safe within an short period. The paper presents a simple and effective method to rescue the child from the bore well. The traditional way to rescue the child is to dig a parallel pit t adjacent to the bore well. This method is difficult, lengthy and also risky to rescue the trapped child. In the proposed method mechanical system moves inside the bore well channel and moves its gripper arm in accordance with the user commands given. The hardware is interfaced to the Android app and microcontroller setup is used to control the mechanical set up.*

Keywords: Bore well Accident, Child Rescue, Sensors, Controller, Wireless Control via Android App