

TITLE: WATER CONSERVER

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EXPERIMENTAL SET UP:

This project consists of sensors, wiring and a sim slot .The equipment is then connected to each other using wiring and there are 2 open ends for wires which then act as sensors. The device is then programmed using c language and designed to give appropriate messages to indicate the low water level of the tank/well. The device is then enclosed in a case to be water proof and dust proof in order to keep it safe. The device then requires a sim card which will be used to send the message to the user's phone.

The user can then use the same phone to send a message to the sim card on the device like 'ON' and 'OFF ' to switch on and switch off the motor without actually going there. The device only sends the message to the user's phone and only the users phone or sim card can be used to switch on and switch off the motor. Why switching off the motor? The motor is what pumps water into the tank or field in the case of farming. Water sources need time to refill and so if used in a stretch need a lot of time to refill. When the user is quite far from the switch on one end of the field and the switch is the other side , it takes a lot of time to go and switch the motor off, but by that time the person would have wasted some water . But there is also a possibility that the water is over by the time the person switches off the motor and so the motor would have been pumping nothing which would make the motor burst due to lack of water for pumping .

This device helps the person to save time by allowing him to switch off the motor from whatever end, he is on the field and this helps to reduce the amount of water wasted on the field .This wasting of water could lead not only to water wastage but also the killing of crops due to excess water . This device helps the person to switch on and switch off the motor from anywhere on the field with the help of just his phone . The device would send messages like ' water level is low please switch off motor' to the person's phone and then the user has to send a reply like 'Off' to switch off the motor.

This device would be very useful for farmers who farm on large fields and have to walk a lot to reach the motor from one end of the field to the other. This device would help them to switch on and switch off the motor from anywhere on the field.