DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Project Funding Support

Design and Development of smart starter and hand ride application for drive an submersible motor with help of safety sensors

IOT based Automatic Control of Submersible Pumps using Mobile App

Submersible pumps are used in every household. Many times they are to be controlled manually where a person has to monitor continuously to switch on or off the motor. As water is precious, ground level water checking also need to be done or otherwise this leads to damage of unit and wastage of power. Water tank overflow and underflow conditions are to be checked periodically. Integrated IOT based automatic control of Submersible Pumps using Mobile App works with control by using mobile App. The user can switch on and off the motor from any location, automatically check the overflow & underflow conditions to switch off and on the motor and auto-check ground water level. The sensors periodically check the water levels and the Mobile app gives the total utilization of the motor. This has the advantage of reducing manpower, avoiding water wastage by overflow, use ground water effectively.

B TECHNOLOGIES, ISO 9001-2015

SEAP/SAN/ALO/PC/19239/2018 , GST No:36BMHPB1701R1Z1

Plot No:86/A,Phace 3,Industrial Area ,Pashamylaram,Patan cheru Mandal,Sangareddy

TO :M/s DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

PO Ref No : BT1019001

With reference to your offer (based on your Quotation) B-Technologies willing to place an order to Dadi institute of engineering and technology. B Technologies hope to get well coordination and further relation with DIET to continue further projects and Human sources for our requirements.

Thankful to your offer and coordination with us.

Si. NO	Description& concept	Cost for development
01	Design and development of smart stator and hand ride application for drive an submersible motor with help of safety sensors.	72000(Seventy two thousand rupees only)

✔ ***The overall major objectives of the project are***

✔ 1. Android App for ON/OFF the pump

✔ 2. Check the overhead tank and switch on if level is underflow and switch off if level if overflow automatically

✔ 3. Check the bore water levels and switch off pump if it is unable to reach water.

✔ 4. Send periodic notifications to user to inform to mechanic in failure condition

➢ **Terms and conditions :**

➢ Operating system and all applications (Manuals) documents to be provided to B technologies.

➢ 50 % Payment will be given against to your quotation and remaining payment as per your requirements .Mostly prefer to given after completion of work.

➢ Material and standard parts have to arrange by DIET. B Technologies will not involve any procurement and manufacturing process.

➢ B Technologies representative will be presented while demo installation and testing of product.

➢ If any external equipment required for testing B Technologies will arrange as per testing requirements.

Kind Attn to : Dr. K. Sujatha, Professor, CSE

13/06/19

Plot No:86/A,Phace 3,Industrial Area ,Pashamylaram,Patan cheru Mandal,Sangareddy

Contact : 9949723371,9949720371 Web Site: www.btechnologies.net

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Proceedings of 6th International Conference on Recent Trends in Computing pp 805–810 | Cite as

Automated Water Flow Control System in Overhead Tanks Using Internet of Things and Mobile Application

Sujatha Karimisetty, Prasanna Kumar Lakineni, M. Lakshmi Kamalanjali & Pritee Parwekar

Conference paper | First Online: 21 April 2021

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Part of the Lecture Notes in Networks and Systems book series (LNNS,volume 177)

Abstract

Basically, automation in systems would help to reduce wastage of precious natural resources in various ways, wherein prevention of wastage of water resource to control the water tanks from overflow is crucial. In this automated world, the handling of any kind of devices with comfort is

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