**PROPOSAL**

**ON**

**DESIGN AND INSTALLATION OF AUTOMATIC PUMPING MACHINE CONTROLLER**

**By**



**AUGUST, 2020**

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Dear Sir/Ma,

**PROPOSAL FOR DESIGN AND INSTALLATION OF AUTOMATIC PUMPING MACHINE CONTROLLER**

***The proposition:***

Water scarcity is one of the major problems facing many homes in the country and wastage during transmission has been identified as a major culprit; this is one of the motivations behind the design of this device, to deploy computing techniques in creating a barrier to wastage of water in order to, not only provide more financial gains and energy saving but also to help the environment and water cycle which in turn ensures that we save water for future use.

GB Tech. World is using this medium to propose to the resident of this house the design and installation of Automatic Pumping Machine Controller in order to solve many challenges that most residential houses, hotels, hospital, schools etc. face, which includes the shortage of water in water tank, wastage of water as a result of overflow of water during pumping, overuse of pumping machine and wastage of electrical energy, all resulting from improper and inability to monitor the water level in the tank both while in use and pumping.

GB Tech. World, therefore, aim to achieve the following objective through the use of this device:

* To reduce the labour involved in operating the pumping machine manually.
* To save Electrical power energy as a result of the overuse of the pumping machine which also results in saving money.
* To prevent or protect the coil of a pumping machine from being burnt as a result of continuous work beyond its operating time.
* To prevent frequent repair of pumping machine, thus increase the life span of the pumping machine.
* To pump water automatically from water sources.
* To prevent wastage of natural resources (water in particular) and flooding of premises.
* To prevent the machine from sucking mud and or air when there is no water in the source: well (for people pumping water to tank from well).

This project is carried out to provide a means of reducing the stress involved in fetching water, wastage of water and flooding which may result from overfilling of the tank and eventually reduce to a minimum, if not eliminating damages to the pumping machine.

*Significance of Project*

The significance of the project is to design a means of making water available in the storage tank for future uses such as domestic, industrial, Agricultural and economic purposes, which are beneficial to mankind. It also reduces wastage of water resulting from overfill of the tank, which can eventually lead to flooding. Consequently, it enables the long life span of the pumping machine.

*Conclusion*

In conclusion, the device is designed to provide a means of storing and managing water for the benefit of mankind and industrial purpose. The control section is used for the control of the water level to various sizes of the tank or reservoir. The minimum and maximum level of water in the tank is determined by the use of an Ultrasonic sensor which has no effect on the water unlike the use of probe or placing of any object inside the water.

Looking forward to a mutually rewarding relationship.

Thank you for your anticipated positive response.

Yours faithfully,

**Joseph T. AKINBOYEDE**

**Production Manager GB Tech. World**

[**gbtechworld16@gmail.com**](mailto:gbtechworld16@gmail.com) **08133490959.**

***About us:***

**GB Tech. World** is an Electronics organization that deals with the design and construction of digital matrix scroll display and home automation also assist students in project construction and organize Hand on work workshop training on Electronics (and programming of hardware) for interested candidate. The organization started three (3) years ago intending to provide the best experience in home automation in the country and beyond.

*Our Goal:*

Our goal is to provide the best experience in home automation and to deliver & render a quality and reliable products and services at affordable costs with integrity and honest. We want our customers to be 100% satisfied at our own capacity.

*Our Specialization:*

At **GB Tech. World** we specialized on the following:

* Home Automation – Smart-homes (Providing you smartness in your home, office, hotel, hospital, school, city etc.)
* Industrial/Factory Automation.
* Remote monitoring, Control, Alarm reporting etc.
* IoT – Internet of Things (Consumer & Industrial).
* Digital LED scroll Display & LED Screen Video Display.

*Our Vision:*

To become a highly respected global Home Automation company and see people living a comfortable and easy life as we provide them with smartest home Automation.

*Our Core Values include:*

* Humanity is the core of our business.
* We create a home away from home for people to perform work with economic output.
* We are a very honest and law-abiding organization with very high character & respect.
* We never do anything inhuman, unethical or exploiting.
* We uphold integrity in carrying out our service.
* We always remain very humble and deeply indebted to God irrespective of the heights we achieve.

*Our Contact:*

It is our desire to serve you right and to get to know you better and hear your opinion concerning our numerous products and service delivery, and to know how we can improve on our products and services to serve you better.

**Customer Care:** +2349 05 991 2079

**Special Enquiry:** +2348 14 683 6228

**Email Address:** [gbtechworld16@gmail.com](mailto:gbtechworld16@gmail.com)

**Office Address:** The head office is at 5B, Fagbewesa Street Co-operative Building, Opp. Polaris Bank Plc, Osogbo, Osun State.

**Thank You**