



**BUSITEMA
UNIVERSITY**
Pursuing excellence

FACULTY OF ENGINEERING

DEPARTMENT OF WATER RESOURCES AND MINING ENGINEERING.

FINAL YEAR PROJECT

**DESIGN AND CONSTRUCTION OF HYBRID POWERED WATER PUMPING
SYSTEM.**

CASE STUDY: BUSITEMA UNIVERSITY MAIN CAMPUS

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in Water Resource Engineering in Busitema University**

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Abstract

Water is an essential need for the life and a key factor amongst the sustainable development goals. Water has been a major issue on the international agenda for several decades as the most essential resource for life. Not only internationally, in Uganda too, Busitema University is affected by the intermittent water supply. This project's goal is to solve the problem of water intermittent supply at the University through the design and construction of a hybrid powered water pumping system that will convey water from a dug well to the University water tank. Solar, a renewable form of energy and hydropower were chosen to run this system due to the fact that it provides constant water supply at the university,

Key words: solar, hydropower, water.

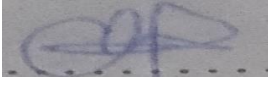
DEDICATION

We dedicate this report to our Parents, our dear lectures, fellow students and friends.

Declaration

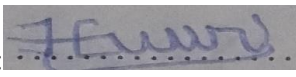
We (Moro Robert, Foozi Hassan, Gumisiriza Obed) declare that this report is our own research and has not been either used nor submitted in any institution or university for any academic award.

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Signature: 

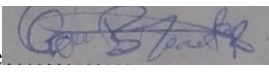
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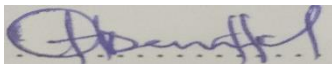
APPROVAL

This research has been conducted and written under the supervision of;

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