



FACULTY OF ENGINEERING

DEPARTMENT OF WATER RESOURCES ENGINEERING

FINAL YEAR PROJECT REPORT

RE-DESIGN AND CONSTRUCTION OF SHALLOW WELL DRILLING MACHINE

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22ND MAY, 2024

DECLARATION

All the materials portrayed in this project proposal is original except the citations and has never been submitted in for award of any degree, certificate or diploma to any university or institution of higher learning.

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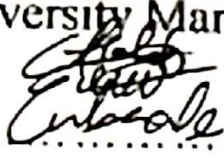
APPROVAL

This is to certify that the project proposal under the title “**REDESIGN AND CONSTRUCTION OF A SHALLOW WELL DRILLING MACHINE**” has been under the supervision and guidance of;

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We express our heartfelt appreciation to the almighty God for granting us the gift of life and facilitating our academic accomplishments, being the ultimate provider of essential resources.

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DEDICATION

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LIST OF ACRONYMS

WOB- weight on Bit

RPM- Rotational speed of revolutions per minute

UCS- unconfined comprehensive strength

SDGs- sustainable development goals

USD- United states Dollar

NPV - Net present value

PI- Probability index

PSGDB-PSG Design Data book