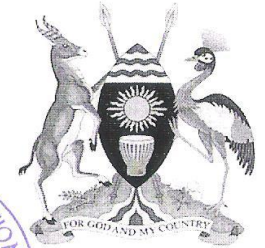


HIGHER EDUCATION SCIENCE AND TECHNOLOGY

Internship Logbook



Student Name: OKELLO ERIC BACI

Month: AUGUST



Target	Achievements	Challenges	Lessons Learnt
Contactor wiring and types	- 3phase ^{motor} wiring of Contactor with CB, Overload Relay and N.C. No switches.	- Acknowledging basic Rating of the Contactor & auxiliaries.	- Operation of a Contactor - Wiring of Contactor and auxiliaries.
Introduction to Socket wiring [Ring and Radial]	- Installation of Socket outlets on Structures under construction.	- Restrictions on a ring main and how much power ring circuit may carry, i.e. based on maximum cable distance & fuse rating.	- Testing for a ring or Radial circuit - How to differentiate between Radial & final circuits.
Motors and its Connections	- Basic wiring tips with Contactors for both single & 3 phase. - Motor maintenance.	- Power Rating; - Wrong wiring to the motor from mains supply.	2 basic types of AC motors i.e. single phase and 3 phase motors.
Embedding of the Distribution Board.	- Circuit analysis of a distribution board was performed.	- Load requirement for a given circuit - Overload - Wrong wiring of distribution panel with circuit components.	- Basic Requirements of a distribution board, like overcurrent devices. - Types of distributed generation, i.e. small, mid-sized & large.

Preparation of Earthing pits	<ul style="list-style-type: none"> - Digging of pits to required depth - Proper planning of the installation 	<ul style="list-style-type: none"> - Depth of the pit dependant on nature of soil - Salt mixture proportionality with the charcoal level. 	<ul style="list-style-type: none"> - materials required for earth pit and the mixture - Earth electrodes and type of earthing specification.
Earthing	Demonstrated earthing process	<ul style="list-style-type: none"> - Height of the building - Soil resistance - Salt selection mixture 	<ul style="list-style-type: none"> - Earth leakage and Earth fault currents. [means of fault protection] - Basic Requirement Purpose for earthing.
Smoke Detectors & its installation	<ul style="list-style-type: none"> - Performed troubleshooting, testing and maintaining of smoke detector 	<ul style="list-style-type: none"> - Sensing limitations as to level of a building, closed door and nature of flame. - Spacing problems - False alarms caused by non-smoke contaminants like insects or malfunctioning 	<ul style="list-style-type: none"> - Installation Do's and Don'ts - Typical wiring techniques - Smoke Detector limitations - Considerations in selecting Detectors. - Typical inspection, Test and maintenance.

Supervisors Comment: He has learnt to as per the expectation and the above are the targets as for this month

Signature: MUKASA AMISI



Report: 30th / 08 / 2017