



# HIGHER EDUCATION SCIENCE AND TECHNOLOGY

## Internship Logbook



Student Name: MAGUBO AKIBU

Month: 15<sup>th</sup> to 30<sup>th</sup> JUNE 2017

Target	Achievements	Challenges	What I learnt
Introduction to the mission, vision, goal, objectives and code of conduct of Fundi Bots.	Company mission, vision, goals and objectives of the company	It was a bit challenging to adapt to the company's code of conduct.	<ul style="list-style-type: none"> <li>Know the history of the company, its founders and its goals.</li> <li>Interacted with the co-founder where we were supposed to give our expectations with the remaining period.</li> </ul>
Introduction to the basic components and symbols in electronics.	Soldering, Breadboard, Breadboard, Light emitting Diode, resistors, potentiometers, motors, liquid crystal displays, jumpers.	Got difficulties in identification of some components.	<ul style="list-style-type: none"> <li>Identify each of the components.</li> <li>Know each component works and its applications.</li> <li>Working up with simple circuits such as lighting an LED, making a motor to rotate.</li> </ul>
Introduction to scratching programming languages.	<ul style="list-style-type: none"> <li>-Installation of scratch software</li> <li>-Basics in scratch</li> <li>-writing programs</li> <li>-installing S4A and S4A firmware16.ino</li> </ul>	At first, it was hard for me to understand what scratch was doing since it was my first time to interact with scratch programming.	<ul style="list-style-type: none"> <li>- Designing animations using scratch</li> <li>- Programing servo motors, photo diodes, LEDES, push buttons using S4A</li> </ul>

Introduction to basic electric tools, usage and maintenance.	Usage of multimeter	Measurement of values on the multimeter was a bit challenging to get.	Learnt how to use multimeter.
Introduction to Arduino programming.	Arduino software installed successfully on machines	Given that it was my first time to use this programming language, it was difficult for me to troubleshoot the program.	Learnt how to use Arduino software to control a blinking LED on the bread board.
Circuit interpretation and designing in electronics.	Circuit interpretation and design was successful for some circuits	Still I got challenges in interpreting some circuits which were a bit complex.	Able to interpret and design circuit
Report writing skills development.	Improved report writing skills.	no challenges faced.	To the best I can structure and present my report.

Supervisors Masirica Henry

Comment: Very good at time management, hard working, great team work. Signature: [Signature]