



HIGHER EDUCATION SCIENCE AND TECHNOLOGY

Internship Logbook



Student Name: Elly James Agene.

Month: Month 2, July.

Target	Achievements	Challenges	Lessons Learnt
① Masts and Towers.	- Climbed the mast to setup antennas.	→ Fear of heights.	<ul style="list-style-type: none">• Learnt Climbing techniques.• Learnt when and where to use masts and towers.
	- Were able to differentiate between masts and towers.	→ Insects like bees and large spiders were on the masts and made it hard to climb.	<ul style="list-style-type: none">• Learnt the different mast components i.e transmitters, microwave transmitters, L-shape IPE's.
② Radio broadcasting Chain.	- Understood the broadcasting chain.		<ul style="list-style-type: none">• Learnt the forms of broadcasting eg<ul style="list-style-type: none">> Cable from studio to transmitter> wireless broadcasting> Telephone line broadcasting> Satellite broadcasting.
	- Tested a pirate radio		

③ Global system for Mobile Communication (GSM)	- Used GSM technology to setup a telephone broadcasting line.	→ It was a long process to acquire a dedicated line. → Were not familiar with the equipment.	• Learnt how to setup and use the telephone broadcasting line.
④ Antenna	Used 7/8 cable to connect the transmitter to dipole antennas for transmission.	→ Cutting the 7/8 cable was hard cause it is very thick.	• The connection between the bandpass filter and antennas through the 7/8 cable. • Saw and used a number of antennas.

Supervisors Comment: He is a good learner

Signature: [Signature]

