



HIGHER EDUCATION SCIENCE AND TECHNOLOGY



Internship Logbook

Student Name: WASSWA MUTALWANA PATRICK

Month: JULY

Target	Achievements	Challenges	Lessons Learnt
Indoor trouble shooting	Am capable of setting temperatures using a remote for proper cooling.	Proper trouble shooting takes a lot of time.	Learnt the corrective measures needed when the indoor unit fails to operate at all.
Outdoor unit trouble shooting	Understood that there should not be any obstacle at the outlet as well as inlet of the air conditioner.	Power cut off due to too many electrical appliances like contactors, A.V.S.	Learnt the symptom for poor heating effect.
Indoor cassette servicing	Am capable of cleaning the indoor cassette system effectively without damage.	Cleaning flapper positions were a problem since the space there was small.	Learnt the proper removal of filters from the system.
Outdoor unit servicing	Understood the criteria, tools, and equipments being used.	Too much dust from the condenser leading to diseases such as flu.	Learnt how to dismantle the outdoor unit like that of the split system.
Split unit installation	Understood the key tools needed for a proper installation.	Heaviness of the indoor and outdoor when carrying one of them at greater heights.	Learnt the key procedures followed when carrying out an installation diagram.
Gas recovery	Understood that cooling doesn't occur when the gas in the system is little.	Some gas cylinders formed ice and thus hot water was needed to deform the ice.	For proper cooling, the refrigerant should be that recommended for the compressor.
Leakage sealing	Am capable of using a soap solution, leakage sealant so as to detect leakages.	Detecting of silent leakages on pipes was a problem.	Learnt how to use a leakage detector when detecting leakages.
Pumping down	I can pump down the compressor effectively so as to avoid misuse of the oil.	Bad scent and contamination of air.	Refrigerant oil should not be misused.
Swaging	Am capable of joining two pipes using a swaging tool to enlarge one	Hardness of the nuts holding the pipe on to the compressor.	Learnt how to form joints on pipes.

	hole then I do braze.		
Flaring	Am capable of identifying the holes on a flare kit of the different pipe gauges.	Wastage of material because the flare kit was old and thus used to give us hard time.	Learnt how to use a flare kit when flaring copper pipes.
Trunking	Got to know the different trunking gauges and designs used in the field.	Trunking corners and angles were hard to be set in position.	Learnt the necessity of trunking and why it is recommended.
Bracketing	Understood that brackets must be made firm using bolts after drilling the wall.	Strengthness of the wall and thus drilling was sometime difficult.	Learnt how to effectively set brackets so as to handle the A.C firmly.
Demounting of air conditioners	Am capable of identifying the different parts on the A.C system.	Heights since some of the A.C were at high heights.	Learnt the technological procedure followed when carrying out demounting.
Compressor replacement	Understood how to test the compressor performance using a Multimetre.	Over heating of some compressors placed in some A.C designs.	Learnt how to braze the copper pipes onto the compressor.
Di-pole switch connection	At this moment I know the different switch gauges.	Current reach to some A.C's was a problem.	Learnt how to connect the A.C system together with the A.V.S onto the di-pole switch.
Drainage connection	Obtained knowledge of how to flash the drainage using gas.	Blockage of the drainage leading to leakage.	Learnt how to connect elbows onto the pipe of drainage.

Supervisors Comment: *good work.*

Signature: *[Signature]*

