



HIGHER EDUCATION SCIENCE AND TECHNOLOGY



Internship Logbook

Student Name: BANOBA BRIAN

Month: JUNE

Target	Achievements	Challenges	Lessons Learnt
A. Studying site drawings i.e. Structural & Architectural drawings, Site layout	- I was able to interpret the drawings i.e. details of each element of the structure.	- Mechanical and electrical details were confusing. - There were many changes on the drawings e.g. site layout, architectural drawings.	- Interpretation of the drawings i.e. the different symbols as used on the drawings and positions of each member and its details.
B. Setting out columns for the second floor	- I managed to successfully set out the columns.	- Setting out middle columns was challenging.	- I learnt how to use squares and 3-4-5 method in setting out columns. - The procedure that is involved in the setting out of columns.
C. Fixing of steel reinforcement the columns of the second floor	- I successfully fixed the reinforcement bars to the required specifications.	- Bending the hooks for the bars with bigger diameters i.e. 25mm was hard.	- I learnt how to use bar bending table to bend the bars. - Interpreting bar bending schedules
D. Setting out, making formwork and casting concrete for second floor column kickers.	- I managed to set out, make formwork and cast concrete for kickers.	- It was hard to perpendicularly align the column formwork for the kickers.	- I learnt how to use simple tools to set out, make formwork and cast concrete for the kickers.
E. Making and fixing formwork	- The column boxes were successfully fixed.	- Plumbing form work for edge columns was challenging.	- I learnt how to use a plumb bob to align/plumb the column formwork

boxes for the columns of second floor			- I acquired skills of making and fixing column form work boxes.
F. Mixing, Casting and curing concrete for the columns of second floor.	- Casting and curing of the columns was successfully done.	- It was challenging to transport concrete to the second floor. - Also the necessity to properly vibrate the concrete while taking care not to displace the reinforcement was a challenge.	- I learnt how to use poker vibrator for vibrating columns. I learnt the precautions taken to ensure quality when mixing and casting concrete.
G. Setting levels and making formwork for beams	- Setting levels and making formwork for the beams was effectively done.	It was challenging to use a water level as it needed much care to avoid bubbles forming into the tube while setting the levels.	- I learnt how to use a water level to set out levels. - Aligning beams using strings and square.
H. Fixing steel reinforcement for beams	- Positioning of reinforcements as per drawings and specifications was done successfully	- Some spaces were a bit small and difficult to work in. - Rains also interrupted the works for some time.	- Accurate implementation of the drawing specifications on site.
I. Setting levels, laying max pans, fixing steel reinforcements and laying BRC mesh for the third floor slab	This was fruitfully done.	- Transporting the max pans to the second floor was difficult	- I learnt how to lay max pans.
J. Mixing, casting and curing concrete for the ring beams	- These activities were all well done.	- Vibrating concrete for beams was hard.	- I was equipped with more knowledge on casting
K. Setting out and Making formwork for the ramp	- Accurate and timely completion of the task of setting out and making formwork for the ramp.	- Measuring and fixing timber along the incline was a challenge.	- I was equipped with more knowledge on form working/ decking inclined areas.

L. Fixing steel reinforcement for the ramp	- The ramp reinforcements were easily done.	- Hacking into concrete for beams to create anchorage provisions for steel.	- I learnt how to fix reinforcement for a ramp
M. Mixing and casting concrete for the ramp	Casting of the ramp was well done.	- Transportation of concrete was hard. - Transportation of the concrete to the required location caused some steel displacement that had to be rectified before casting at a particular point.	More knowledge on casting i.e. the science of casting concrete at a slope and also proper transportation of concrete to ensure minimal steel displacements.
N. Setting out, making formwork, fixing steel and casting concrete for the staircase	- Accurate and timely delivery of the stair case according to the drawings and specifications by a team among which I actively participated.	- Some sections were hard to set out - Hacking of beams to create provisions for the anchorage of stair steel to beam steel for a robust structure	- More knowledge on setting out was acquired i.e. the techniques involved and also its full construction.
O. Setting out for masonry in fill walls (brick & block work)	- Setting out was completed in time	- It was hard to set out in some parts of the structure. I.e. in areas with limited access.	- I learnt how to set out walls using squares and strings to ensure proper alignment.
P. Construction masonry in fill walls (brick & block)	- I was actively involved in the construction of thirteen square meters of masonry walls.	- It was difficult to lay bricks and blocks at high heights as the blocks were heavy to carry.	- I learnt how to control quality of masonry walls during construction. i.e. ensuring the right mortar mixes.

Supervisors Comment:

He is good at team spirit and fine

