



# HIGHER EDUCATION SCIENCE AND TECHNOLOGY

## Internship Logbook



Student Name: MUSASIZI ANDREW

Month: ONE, 13<sup>th</sup> /august/2018 to 13<sup>th</sup> /September /2018

Target	Achievements	Challenges	Lessons Learnt
Production department (Compression section)	-Got to know the functions of the section as it is to compact the lubricated granules into tablets.	-Little time given to me by the trainer, so I had to just read books for Standard Operating Procedures for more Information.	-learnt that all the lubricated granules from granulation section are compacted into required tablets in this compression section.
Stages of Compression (Filling, Pre and main compression, Ejection)	-More Knowledge on how powder is fed into the compression machine, pass via pre-compression rollers and Main compression rollers, and then the tablet is ejected.	-Little time given to me by the trainer, so I had to just read books for Standard Operating Procedures for more Information about these stages of compression.	-Pre-compression rollers applies a minimum force and main compression rollers applies main force during compression.
To know the Compression machines used at CiplaQCL	-Machines like Cadpress (iv), Fette compacting machine, Kilian, are used for compression at cipla. -They are categorized according to number of stations, Type of tooling, e.g. B, D, BB- tooling.	-Understanding the classification of the different compression machines used, by make, type of tooling, number of stations, etc. in the given period of time allocated in this section.	-Mode of operation of the compression machines like cadpress (iv) which uses compaction force generated by hydraulic pressure.
Finding out the Defects on Tablets during compression.	-These defects are: Chipping, Capping, Broken tablets, Embossing, Black spots, oil spots, etc.	-No challenge	-learnt that these defects affect the quality of the tablets so the machine has to be set well before starting any activity.

<p>-To know the In process checks carried out during compression at ciplaQCIL.</p>	<p>-They are; Disintegration Test (DT), Friability Test, Tablet thickness and Diameter, Group weight, Individual Tablet weight, etc.</p>	<p>-Inadequate attention to me by the trainer, though later I read the SOPs and got the information.</p>	<p>-All these checks have to be carried out for production of quality tablets, like Disintegration Test which shows how long a tablet takes to break down in a patient's body.</p>
--	--	--	--

Supervisors Comment: *He is a very active dedicated & impulsive student!*

Signature: *[Signature]* 19.09.18

