



# HIGHER EDUCATION SCIENCE AND TECHNOLOGY

## Internship Logbook



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Month: **JULY**

Target	Achievements	Challenges	Lessons Learnt
Operation of the rolling machine	I can now individually have the metal sheets rolled using this machine	Cuts or wounds to the operator during operation	Wearing workshop gloves while this machine
Maintenance of the rolling machine	Checking the status of the machine is done every after 2 weeks, oiled and greased	Some parts of this machine are worn up, hence at times operation was difficult	Keeping in stock of the essential parts of the machine to avoid alteration during operation
Operation of the manual flanging machine	I can personally operate this machine to the extent of forming materials	It requires more energy to operate, hence its limited to strong operators	Always have side Un-electronic machines to assist in operation in case of power challenges. Design a better machine with a provision for a motor to cut on labour required
Maintenance of the manual flanging machine	Grease and lubricating oil were used in joints of the machine to allows flexibility	No clear maintenance criteria for this machine	A clear maintenance programme should be drafted for every machine as to elongate its working period
Operation of the plastic recycling machine	I could cut the waste plastic materials into smaller pieces, then drop or place into the grinding or plastics recycling machine	too much noise made by the machine while in operation	The machine should be made sound proof as to cut on the noise A sound proof motor should be installed
Maintenance of the recycling machine	We usually cleaned this machine every morning before operations commenced. This machine was only switched on when need for it arises.	I personally faced or observed no serious challenge with this machine, because it being new, there is a clear maintenance criteria for this machine	Workers or operators should wear a full protective gear set while operating this machine to avoid accidents.



Operation of the sticker printing machine for buckets	I can now operate this machine with little or no supervision	Operators of this machine do not put on helmet gear while operating the machine	More orders should be looked for in order to make full use of this machine.
Maintenance of the sticker printing machine for buckets	This machine is operated irregularly, this makes it to last longer due to limited use	This machine produces much heat during operation It also has limited application in the company According to the technician, this machine has no clear maintenance program	A clear maintenance program for every machine should be drafted in an understandable language to the workers.
Raw materials store management for the company	For the metal raw materials, they are kept in their upper store, while for the plastics (granules and color), they are kept and locked in the lower store next to the door	the metallic material store is situated far and up from the production area, this makes movement difficult	raw materials for a given product should be kept closer to the respective point of production.
Inventory management of the company	Materials that move from one production point to another are left pounded around the machine	poor store management system for inventory materials.	materials should be kept in the store to provide enough working area.
Finished products store management of the company	Here I noticed 2 stores in which we kept the products, one for plastics & other for metallic tins	It was tiresome & time consuming to move plastic buckets to there store as these were heavy to climb them there	Heavier products should be kept at the very level of production stores to cut on the energy & labour required to move them.
Stock turn over system of the company	Some work was put on standstill, and every material, raw or not was counted and the figures were recorded. This is done at the end of every month	During this exercise, some work was stopped as the same workers who were supposed to be in production were then involved material counting	a special team should be employed to carry out the stock turnover exercise, as not to alter the production rate and efficiency of the workers.
Material handling & movement within the company	Materials are moved using trollies on the ground level (horizontal direction) of the factory	For the level beyond the ground level, materials are carried manually which is energy ladies and some men workers of the company	An automatic material carrier system should be provided to move heavy materials in the vertical direction.
Granule (pellets) automatic pump (machine)	I can now switch on, detect and solve problem when the machine alarms and meanwhile switch off in case of any problem	The machine is limited to only Small pellets of a defined similar size	Load each machine to its designed capacity in order to keep it longer in use.
Health & safety system used within the company.	I noticed that every worker is entitled to safety wear during and within the factory	there is misuse or misapplication of some tool stools, laboratory gloves being used in the factory, hence cuts & wounds	Application of the tools to there respective areas of use



<p>Waste material handling and treatment within the company</p>	<p>I came to notice that the waste materials for plastics are recycled yet for the metal sheets, they are kept in scrap section where they are transferred for sale</p>	<p>the metal waste tend to be sharp &amp; edged hence cuts during handling &amp; movement</p>	<p>Keeping every material in its respective section to avoid inconveniences</p>
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**Supervisors Comment:**

**Signature:**

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