



# HIGHER EDUCATION SCIENCE AND TECHNOLOGY



## Internship Logbook

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Month: JUN

Target	Achievements	Challenges	Lessons Learnt
WEEK 1			
1. Identify network components	Am able to differentiate network component and there function	It was not easy to know the function of each component	I learnt many different network component for example connectors, switches routers etc.
2. Network cabling and termination and testing	I terminated working straight through and cross over network cable	Its hard to master the order of arrangement of twisted pair cable of either straight through or cross over working cable	I have learnt that Straight through cable and cross over cable does different work in network environment
3. Creating simple adhoc network	I connected two computer that were able to communicate and share file	Window7 failed to communicate with window 10 due to compatibility issues	Using command line, the two window can be configured to communicate i.e window 7 and 10
4. Sharing from one computer to another	I was able to share file between two computer that are connected	Some version of machine cannot share file or information easily among themselves	There are many ways computers can share information eg using wireless, cable etc.
Week 2			
1. Creating simple LAN	We created simple LAN topology of networks To avoid redundancy	I got challenge of determine which type of cable to use for network connection	I learnt that its possible for two or more computer to communicate if connected
2. Database normalization	Create relationship between table	Normalization is very hard	I learnt that normalization help to avoid redundancy You can model different cable or diagram
3. Designing and modeling database using visual	I developed web site for our organization (apochagroup)	No challenge encountered	I learnt to develop web site
4. Web development		It is also hard to develop web site from the first principle	



<p>Week 3</p> <ol style="list-style-type: none"> <li>1. Table and foreign keys mapping concepts</li> <li>2. Exporting database to server</li> <li>3. Creating sql query on the exported database</li> <li>4. Data definition and manipulation</li> </ol>	<p>lapishagroup )</p> <p>Foreign keys help to mapping table</p> <p>I had to export table that was model to database</p> <p>I manage to create the sql query on the database</p>	<p>site from the first principle</p> <p>No challenges encountered on table and foreign keys mapping concepts</p> <p>I encounter challenges of exporting database to server</p> <p>No big challenges encountered on creating sql query</p>	<p>I learnt that every table need primary keys and foreign key for differentiation</p> <p>I learnt that data created must be exported to server</p> <p>Data in the database can be easily queried using sql</p>
<p>Week 4</p> <ol style="list-style-type: none"> <li>1. Continues of database queries</li> <li>2. JSP/HTML and css practice approach</li> </ol>	<p>It simplify my work during querying database</p> <p>I manage to code successfully using JSP/HTML and css practice approach</p>	<p>No challenges encountered during continued database queries</p> <p>I challenges of coding using three different languages at the same time is difficult</p>	<p>I learnt that you can used database queries for any data extraction from the server</p> <p>I learnt that for proper and easy coding we need all the JSP/HTML and css practice approach in place</p>

Supervisors Comment: Good job! you are doing well!

Signature: [Signature]

