

SIWES REPORT

G2N (GRAETER2NETWORKS)



onah thankgod

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# **DECLARATION**

I Thankgod Onah declare that this internship report has been done by me, and to be submitted to digital bridge institute.

# **APPROVAL**

I have done this for myself by taking note from my second semester teachings on technical report writing.

# **DEDICATION**

I dedicate this internship report to G2N (Greater2Networks) for allowing me to undertake my industrial training with their company. I also dedicate it to digital bridge institute, my beloved parents, guardians, brothers, sisters and everyone in his or her capacity support during my internship, may God reward them abundantly.

# **ACKNOWLEDGEMENT**

I will like to extend my sincere gratitude and appreciation to all those who joined all there effort in making my internship training successful.

Special thanks goes to my academic staffs for letting to have an excellent industrial training view for the first time.

# 

# **ABSTRACT**

This is to clear that thankgod onah carried his internship at G2N (Greater2Networks).

The industrial training was made to enable students develop hands on experience in the application of practical scenarios and to get well experience on their field.

Chapter one focuses on the background of the organization, function, scope, duration, name of the organization, address and vision.

Chapter two focuses on the activities carried out which are introduction to computer software, android application development, web programming and database installation and administration.

Chapter three focuses on knowledge and skills gained, practical work, and teamwork.

Chapter four focuses on the challenges faced during internship.

Chapter five focuses on recommendations and conclusion. Both to the organization and institute.

# **CHAPTER ONE**

## **INTRODUCTION**

### **BACKGROUND**

This internship was carried out at G2N (Greater2Networks), G2N is a private limited business solution company.it was form in 2009 by IT experts from different organization, it deals in ICT (information communication technology) training. Services and supplies to educational institutes, government organizations, private and individuals.

G2N has been prequalified by over 250 big organizations in Nigeria. And it has completed several projects in local area network (LAN) setup, computer maintaining and repairs, and developing of several software application. Greater2Networks has trained over 3,000 students from different Nigeria universities which includes, University of Abuja, Kaduna state university, Lagos state university, Benin, Benue, Nasarawa and many more universities.

### **SERVICES G2N (GREATER2NETWORKS) OFFERS**

* They offer internet security, IT skill training, consultancy research and IT supplies.
* They offer home and office network, no Matter the size of the project, and deliver exceptional results at reasonable cost.
* They offer web hosting services.
* They design dynamic websites with content management system.
* They offer reliable web and data applications hosting solutions.
* They run system upgrades, maintenance and repairs network certifications and many more.

## **SCOPE OF THE INTERNSHIP TRAINING**

In this internship training the internee is trained in numbers of areas. That is to say computer software, hardware, system security etc.

## **DURATION**

This industrial training was carried out at Greater2Networks from January and end April 2020.

## **NAME OF THE ORGANIZATION**

G2N (Greater2Networks).

## **LOCATION AND ADDRESS**

**Address**: G2N

**Head Office**: No.43 Anthony complex, Kuje, Abuja.

**Email**: [info@G2N.NG](mailto:info@G2N.NG)

## **VISION**

To meet each client business vision is our mission.

## **OBJECTIVE OF INTERNSHIP**

* To obtain practical skills.
* To gain exposed to the working environment
* To learn how to handle administrative roles.
* To create good relationship with different people on the field of computer software engineering.

# **CHAPTER 2**

## **INTRODUCTION TO COMPUTER**

### **ANDROID APP DEVELOPMENT**

Installed JDK and created its path by going to computer properties, click on advanced system settings, went to environmental variables windows appeared then went on to system variable and edited the path so that the java environment which will help in running the ADT on eclipse and clicked ok three times. After I went to CMD to complete the java path by typing javac.

Set eclipse shortcut to the desktop, right clicked the eclipse shortcut selected open to run the ADT.

After creating the workspace, go to the top level menu click on file select Android application project.

After that new menu pops up to enter Android application project name, enter name and click create.

### **WEB PROGRAMMING**

Installed Microsoft C++ distributable and wamp server started, click on the wamp server icon on the taskbar, and click on localhost that was ran with Google chrome which was the browser on my machine by default.

When localhost was in the browser selected PHPMyAdmin click on databases created,

New database name it onah, then went to local disk C of my computer opened the wamp folder, in the wamp folder, opened www folder and created a new folder with the same name as that of the database I created. Went to WordPress folder and copy the files that where in it and pasted then in a folder I created www folder on local disk c then renamed the wp.config\_simple to wp\_config after opened it and renamed the DB\_name onah and also the DB\_user to "root" and left the password and saved.

### **DATABASE INSTALLATION AND ADMINISTRATION**

Installed visual studio ultimate after installation, opened it and click new project to create project. Named and then click ok, then change the form name and set windows state to maximum. Designed a user interface on visual basics that can be used to enter student details, marks obtained in their exams, per semester and stored in the database menu in it.

# **CHAPTER THREE**

## **TECHNIQUES USED DURING INTERNSHIP TRAINING**

During my internship training, Mr. Francis Daniel was my field supervisor. The interaction between me and him was really good. Interns will talk freely with them and explain my challenges and problems, which they will try to deal with accordingly. They were generally approachable and friendly and give me more insight into the IT profession, as well as making sure interns become professional in IT. I used to discuss with my fellow interns which are Stephen from ABU, Sule from kSU, Patrick and others interns about assignments and how to go with it.

### **PRACTICAL**

Since training at G2N (Greater2Networks) is basically hands on, it improved and enhanced my skills in computer software engineering technology so much, therefore with this exposure i gained a lot especially in practical areas.

### **TEAM WORK**

We the interns did all the works with other colleagues, anywhere we had challenges, we consulted our trainers from the beginning of internship till its end.

## **KNOWLEDGE AND SKILLS GAINED IN INTERNSHIP TRAINING**

During the internship training I acquired a lots of knowledge and skills from experienced personnel.

### **KNOWLEDGE**

* Web development: this was through creation of web page and hosting it to the website programming, through design of systems, learnt more about object-oriented programming languages. Such as Java and also as general.
* Technical Support: through repairs of client’s computer and troubleshooting some common problems they were having.

### **SKILLS**

Computer competency, critical thinking, clear written and spoken communication, gained business skills, time management, problem solving.

## **EXPERIENCES**

* Designed a library management system in visual basic. The project involved several parts. Developing a database, attractive interface and responsive. Which I came up with the interface designer using my UI skill for this very project. And it was built in from scratch.
* Working with experienced and skilled individuals
* Working with some of the best developer, designer and managers in information technology system, created bond with others internees which was so perfect solving problems that are never face in the university environment.

# **CHAPTER FOUR**

## **CHALLENGES FACED DURING INTERNSHIP**

A lot of noise since when complex main gate was under renovation and also complex broken flours was under repair by constructions. This was a challenge because sometime I would not hear the trainer properly, when training difficulties in feeding and transportation to and from the internship situation on a daily basis.

Due to minimum time, some sessions like web development, database management were give less time yet they needed a lot of time if was to gain from them and on top of that they had pass through them.

During internship I encountered difficulty in adjusting to the new environment long distance, travelled a long distance to attend the training sessions but I endeavored to cope up because I had to make sure I was at the company in time so that I never missed out on all the training activities of the day.

# **CHAPTER FIVE**

## **RECOMMENDATIONS**

### **TO THE G2N (GREATER2NETWORK)**

I would like to recommend to the management of G2N to expand the training sessions for database management and web development.

I would like to encourage students to carry out their internships at G2N in order to avoid regretting in future because the management is social reachable and are good wishers of all students.

### **TO DIGITAL BRIDGE INSTITUTE**

The school should take time and call their students and inform them about their SIWES supervisors than students struggling calling their heads of department asking for their supervisors, because I was not visited at site of my internship.

The school should provide material and equipment to the software department, so they can test their progress both on the hardware side.

Digital bridge institute should setup the internship allowance scheme to provide internees with money they would use in the course of their internship training to encourage and motivate the interns.

## **CONCLUSION**

I conclude by thanking God who have enabled me to go through this industrial internship training, successfully and the management at G2N for their excellent work done.

I wish anyone in the field of computer software engineering not to miss out on the services provided by G2N because students acquire whatever skill is needed in the field of working. Internship training has make me to have new insights and more comprehensiveness understanding about information technology skills such as networking, troubleshooting, software installation, information security, website development and this training provides me the opportunity to improve my personal skill, know how to deal with different people. Therefore it has been interesting, helpful and challenging. And I don't regret having trained at G2N.