**MUNI UNVERSITY**

**FACULTY OF TECHNOSCIENCE**

**DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE**

**INTERNSHIP MONTHLY ACTIVITY LOG**

**Name of The Student:** KIKOYO ISAAC **Organization:** RADIO PACIS - ARUA.

**Internship Duration: (May-JULY 2017):** 21/MAY/2018. **To:** 21/JULY/2018.

**Work Supervisor: (Name Sign):**………………………………………………………………………………………………

**Internal Supervisor (Name & Sign):**………………………………………………………………………………………………

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| **Date** | **Activity** | **Description** | **Comment** |
| WEEK 1 | 1. Orientation; introduction and visiting of various offices at the station. 2. Solar field and earthing training, and how all the inverters are networked and controlled with a solar log device. 3. Renaming announcement files from the reception drive for easy backup 4. Continuation of the solar training and how power is transferred to WENERECo grid. 5. Trouble shooted File server (FSARUAMS03) .that had harddisk failure. 6. Visited the server room and Data and information management training. 7. Installation of windows to a newsroom computer and updated drivers. | I met the head of technical and maintenance department Mr Walter and took us to different departments where we met the director of the station, Fr. Tonino and his staff members.  Earthing of solar panels was taking place and we also joined to learn what is going on, we met activity leader Mr. Samson and the team that is Mr. Moses and Juli.    We made the process simple by automating it using a software and backing up of data was done easily.  Solar project is aimed at supplying power to WENERECo and a means of generating revenue to the organization.  We found out that one of the harddisks was faulty and immediately reported to Mr.Walter and he suggested that we replace it, we was done right away.  I foundout that Radio Pacis has 6 servers where files of different departments are stored and can easily be accessed over the network.  The organization has a Network Attached Storage.  We also installed whatsapp using nox software and trained users how it works, | I Made new friends, departments are well organized.  Earthing is a necessity to all devices.  Having other project that generate income is important  System performance needs regular monitoring.  Information is well managed.  It is good to share knowledge. |
| WEEK 2 | 1. Connecting the Newsroom computer to the network. 2. Visited the mast and learnt how signals are transmitted and the transmitter works. 3. Fixing an intercom 4. Fixing USB ports for a Dell Laptop at the workshop. 5. Assignment of drawing a design of the network upgrade of Radio Pacis 6. Determining requirements of the network upgrade. | We assigned Internet protocol (IP) address, (192.168.23.4), gateway (192.168.23.99), and the DNS server (192.168.23.245) to the domain of Studio.com.  Mr. moses explained how the duplexor unit filters frequency and avoids interference of other frequencies because Radio Pacis is at 90.9 and 94.5 and then the link transmitter sends signals to the mast that is then spread to various antenna for people to listen to the station.  At the mast, security intercom had damaged cables that we replaced with Mr. Juli.  We foundout that windows 7 that was installed was not compatible and then changed to windows 10 that worked perfectly and the ports worked.  The station is shifting from fast Ethernet cables to giga Ethernet cables, Using YED software we cameup with a drawing/ architecture.  We carried out measurements in different buildings to determine the length of the cables to be used, network sockets, connectors, RJ45, switches. | Practical part of it was interesting.  I knew how radios work.  Ensure that software requirements suite the device before installation.  Changes are part of organization success.  Through consultation and teamwork of colleagues we did it. |
| WEEK 3 | 1. Compilation of the network plan and generating a simple report on what happened. 2. Repaired windows on the station manager’s computer. 3. Hardware assessment on a computer from Gulu branch of Radio pacis. 4. Training on the network cables and as to why transfer to giga Ethernet cables was necessary. 5. Installation of solar at walter’s house. | We used Microsoft excel and yed software to complete the assignment and submitted it.  Windows was corrupted and then we repaired it under the supervision of Mr. Walter and Mr. Ismail.  This computer had hardware problems and it could display and then goes off, we diagnosed and solved the problem.  This was done by Mr. Walter to ensure that we understood why they are shifting to giga Ethernet technology otherthan fast Ethernet  We learnt about the battery arrangement that is in series and parallel, and how the connections are made. | Nice experience from this exercise.  Speeding up operations is very important. |
| WEEK 4 | 1. Installation of windows on Marys-pc in the printing building. 2. Diagnosing an Uninterrupted power supply (UPS) that had faults on the temperature sensors. 3. Diagnosed a printer with a paper jam. 4. Learnt how to configure MTN modem. 5. Testing the UPS for full functioning such that it is connected back to the power station | After installation we connected it to the network, installed vital softwares, and made sure that scanners, printers are perfectly working.  We found out that the data cable had a problem of which we replaced and it worked again.  We removed the stuck papers by dismantling some of the parts of printers and then it worked again.  Mr. Walter walked us through the process, where the device is accessed remotely from his computer using an IP address given by MTN.  This activity was led by Mr. Samson, Mr. Moses and Mr. Juli, they challenged us to assemble the UPS which we did as a team of intern students. | Procedures of this activity were so educative.  Assembling this UPS was so interesting. |
| WEEK 5 | 1. Study the website of Radio Pacis and propose changes and making a report. 2. Troubleshooting a speaker. 3. Introduction to Ancaconda 4. Fixing a security light, socket and wiring in wine storage house 5. Study and analyze the best audio converter software. 6. Testing MB live software and skype in order to broadcast the westnile centenary celebration in Ezuku on Sunday 24th June 2018. 7. Termination of the Ethernet cable in the workstation 2 8. Installation of office suite on a Newsroom Computer. | Mr.Walter and Mr.Ismail told us to observe critically the station website and look at the things to change so as to enhance performance of the Radio Station.  A speaker that problems with Direct current (DC) powering system.  Anaconda is a python Data analysis module that was proposed by Mr. Walter for me to learn.it involved installation and setting up the environment.  This involved wiring where I learnt some concepts and skills of electricity in a building.  Gulu station needed the best audio converter software can produce multiple formats of audio forexample mp3, wav, flac.  We tested the software locally to ensure that broadcasting can be done perfectly from Ezuku. And this event took two days.  This involved changing of the Ethernet cable that was loose and could not send data to the computer via the network.  We replaced the office suite on this computer because the recent version was pirated and couldn’t function well | I converted theory into practice.  I learnt so many things in thst week. |
|  | 1. Introduction to Wordpress   .   1. Modifying the website of St. Mary’s Ediofe Girls secondary school and addition of data. |  |  |