

**PRESIDENTIAL DIGITAL TALENT PROGRAM QUARTERLY REPORT 4TH AUG 2017**

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**Names:**

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# Areas/Activities Covered

1. Implementation of network access control software
2. Hardware resolution and replacement of faulty peripherals and IT support
3. Server adminisitration
4. Insurance Interface development
5. BVR Kit Installation

# Implementation of network access control software

We were involved in configuring software to regulate access to the network. This was later translated into a proxy server for uniformity across the wired and wireless networks.

# Hardware resolution and replacement of faulty peripherals and IT Support

One of the responsibilities included providing IT support to end-users and students in addition to repair and replacement of faulty computer parts.

# Server Administration

Maintain the server processes and applications running on the mirror server. Ensure the server is visible and available to every user. Applications like citrix receiver could easily run down due to the many users accessing it.

# Insurance Interface development

Helped developed a hospital-insurance interface to be used as a go-between hospital and insurance systems. The interface would enable hospital staff access patient’s insurance cover details pertaining to hospital services.

# BVR Kit Installation

Installed the biometric kit machine for the management of the employees that is used for clocking in and out of work using fingerprints. Installed a software first on the machine itself before mounting it on the wall and start registering employees via their fingerprints.

# Issues faced

1. Difficulty in balancing between access and control i.e. too much control and the network access is throttled; conversely, too much access and control is lost.
2. Failure of the biometric kit while using it
3. Difficulty in integrating the different systems used by hospitals and insurance agencies.
4. Failure to find replacement parts for old equipment and effective disposal of ICT equipment
5. Server downtime issues such as power failure, network failure etc.

# Duties assigned

1. Denis Kiprono Cheruiyot – Computer Network Maintenance & Troubleshooting
2. Enoch Odhiambo Otuoma - Website Administration
3. Humphrey Oboso Menge - Computer Network Maintenance & Troubleshooting

This report was jointly developed by Denis, Enoch and Humphrey.