ICT Authority
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PRESIDENTIAL DIGITALENT PROGRAMME | ICT Authority

Quarterly report from 2nd November 2016 to 15 March 2017

Reference #	8836579
Status	Complete
Intern's Name *	Korir Gerald
Organization Name *	Ministry of Education Science and Technology
Sector *	Public
Internship starting Date: *	2016-09-01
Internship End Date: *	2017-12-31
Intern's Assignment: *	The one-year Presidential Digital Talent Program (PDTP) is to be accomplished by a 10-month placement at the ministry of Education, Science and Technology (MOEST) and a 2-month placement at the private sector assigned to. So far I have only been placed in the public sector. The short stay in the Public sector has exposed me to day to day ICT operations in the public service including: dealing with daily operations on the ministry's network infrastructure, system administration and security and consequently been given tasks in relation to them. Furthermore, The Ministry of Education, Science and Technology is in the process of improving the current Network security infrastructure and developing three major systems, which in a bid to improve the education impact in Kenya are fast-tracked over a period of one year.
Internship Duration(Months): *	12
Intern's Email: *	gloughran46@gmail.com
Supervisor Name: *	Mr. Clement O. Odeka
Supervisor's Email: *	clement.odeka@education.go.ke
Supervisor's Phone No: *	254472864926
Overall Objective(ICT Masterplan):	Ensuring provision of e-Government information and services to Kenyan citizens as key to

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	improving productivity, efficiency, effectiveness and governance in the Education sector. This is the overall objective of the ICT master-plan that was implemented by the Ministry of Education in adoption of the National ICT master-plan by ICT Authority. As PDTP, we were inducted and clearly instructed to follow this overall objective when we were integrated into the ICT wing of the Ministry, in providing effective and efficient services to both the staff and the citizens.
Specific Objective(Organization): *	Foster education as the primary means of sustainable economic development, social mobility, national cohesion, and social development. This specific objective shall entail creation of appropriate policies, solutions and infrastructure necessary to foster creativity and innovation at all levels.

Project Name{e.g. PDTP Helpdesk system(Indicate whether new or existing) Provide a brief description-max 100 words}: *

1	1.(EXISTING) Active Directory and Network overhaul and mapping.
2	2.(NEW) The EMIS system (Education management Information system)- centralized systems holding information about the education sector in Kenya.
3	3.(NEW) Free Secondary Funds Disbursement System - Streamline the Manual way of disbursing funds to public secondary schools.
4	4.(NEW) Free Primary Funds Disbursement System

Activity(e.g. Collection and compiling of user requirements, Design, Testing, Implementation): *

1	Preliminary analysis of the issues raised - collecting of information about the ministry's infrastructure. Find out the ministry's objectives and the nature and scope of the problems to solve

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| 2 | Network/ System analysis and requirements definition. Come up with a model or prototype. Held meetings to brainstorm about the kind of infrastructure needed. |

Tasks(e.g. Project write-up, User meetings, coding): *

1	1.Initiation - First user- meetings - Ministry's head of ICT Introduction of the old system and what they need. Conference held at KICD.
2	2.Project research - system concept development
3	3.Pre-requisite installation of required software - MySQL(Xammp), Visual studio, Dream-weaver. etc.

Input/Resources required e.g. Laptops, finances *

| 1 | 1.Notebooks, pens |
| 2 | 2.Cables, laptop, Network tools |

Outputs/Deliverables(Measurable) e.g. PDTP Helpdesk system *

1	1. Project proposals compiled and presented.
Start Date *	2017-01-09
Due Date *	2017-10-16

Status(Achieved tasks/Milestones to Date e.g. 3 Modules completed): *

| 1 | 1. (Networking) – Proposed prototype presented. Type of cables, infrastructure, technology needed. |
| 2 | 2. (Networking) -Introducing the State department of Basic education to the Jamii Telkom Network (A faster and more efficient infrastructure)- Ongoing as of March. |

Expected Impact on Public Service/Service Delivery/Citizens(e.g. Quick solution/escalation of PDTP issues): *

| 1 | Simplifying government processes and embracing technology neutral operating environments. |
| 2 | 1. To enhance clear, efficient and transparent disbursement of funds to Secondary and primary schools in Kenya. |

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3	2. To Simplify and automate integrated end-to-end Ministry's accesses - Streamlining service delivery operations.
4	3. Provide easy access to information by interested parties like The world bank, and other government agencies.
5	4. Big data - Data and information collection for research and analysis.
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