

National ICT Master Plan 2014 - 2017

Project Area III:

ICT HUMAN CAPITAL & WORKFORCE

OBJECTIVE

- » Develop a critical mass of local high-end ICT skills
- » Develop ICT ready workforce
- » Increase digital literacy of citizens
- » Strengthen ICTA's leadership and ICT capacity



Sub Theme - ICT HUMAN CAPITAL & WORKFORCE

- 1 ICT Technical Capacity
- 2 Build **Public** Sector Digital Capacity
- 3 **Citizen** Digital Literacy & Skills Development

KEY OUTCOMES

- 1 Availability of **sustainable local high end ICT skills** to meet the needs of the industry
- 2 Adequate workforce to transform and **innovate business using ICT**
- 3 **ICT literate population** capable of exploiting ICT products and services for improved quality of life



FLAGSHIP PROJECTS Planned & Status

1. Financing a 1-2 year intensive structured training and attachment program

Initiatives:

Funding of **500** Youth/Year

Public-Private-Partnership Model

Focus: ICT, Leadership, Life Skills & Industrial

Mentoring leading to employment aligned to needs of the industry

Impact

PDTP, SAP Skill for Afrika, Huawei Internship,

Microsoft CRM Academy

350 youth Trained & certified by **2016**

1000 Youth would be impacted by **2017**

FLAGSHIP PROJECTS Planned & Status

2. Development of Massive Open Online Course (MOOCs) type ICT continuous education courses

Initiative

Create a milestone in the education landscape at grass root level
Focusing on **Primary School Education** using **Digital Literacy Program -22000** Devices to be deployed by June 2017
Availability **Platforms-** e-Content, Trainers, Infra.

Impact

Branded as **DigiSchool**

Pilot Implemented through **JKUAT & MOI** University across 47 counties

Pilot 150 Govt. Primary School selected , **9** for Special needs
66000 Teachers Trained across 47 counties from **Std 1-3**

FLAGSHIP PROJECTS Planned & Status

3. Attracting Top Quality Global universities

Initiative

Establishing of Kenya Advanced Institute of Science and Technology (**KAIST**).

To offer ICT Post Graduate programs in **Konza Techno City**
Bringing in Richness in ICT **academics, Innovation & R & D**
Creation of Productive **Manpower** for the development of industry

Impact

MOU with **Korean Govt.** which is currently in talks with the Ministry of Education ,National Treasury and the Konza Techonopolis Development Authority (KoTDA)
World renowned **Stanford University** & some of the local universities have expressed interest

FLAGSHIP PROJECTS Planned & Status

4. Establishing 5 Centers of Excellence (CoEs)

Initiative

Funding of COE in ICT Education and training at Konza City

Focus: Industry centric high-end electrical engineering computer science and information system professionals

Impact

Work in Process- by April 2017

55% of the Design & Delivery Guidelines completed


Review of **EOI** for Universities to participate done

Request for **Proposals**

Project Execution & funding options


Challenges

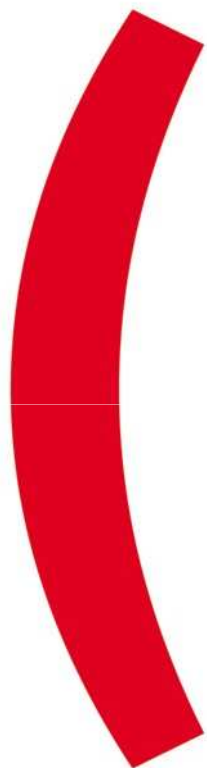
ICT HUMAN CAPITAL & WORKFORCE

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- 1 Need to source for more funds to support the program especially for certifications and operations – Content, Training, Certification, Mentoring, employment process
 - 2 Support is required for creating program awareness for the sourcing of talent from Academia, support from ICT sector and non ICT sector on the need for employment of trainees upon completion of the program
 - 3 We need a partner for the jobs portal to work with us on recruitment as a national portal with integrated M & E
 - 4 Need for more Industrial partners to provide support interims of mentors and two months attachment

Suggestions Recommended

ICT HUMAN CAPITAL & WORKFORCE

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- 1 To have a **National Aptitude Tests** for Graduates and Rank the participants to save on cost & time of recruitment for all Financed Intensive Public Private Capacity building program through the **Job & Skill Testing Portal** (Cost & Time benefit)
 - 2 **Caucus** to be consulted on all the capacity building initiative and a representative to oversee each of the key focus areas
 - 3 Attention to be provided to the development of **County Govt.** & Development of Massive Open Online Course (MOOCs) at **School, Vocational** and **Higher Educations**. Public Universities to be more participative in implementation
 - 4 All Private & Public training to focus on Project needs of the Industry and well integrated to meet the project needs



THANK YOU

Download the ICT Master Plan
www.icta.go.ke

Four Financed Intensive Structured training and attachment

Approx. 900 youth to be impacted by 2017

SAP Skill for Africa
150 Trained & certified with 80% employed

Huawei Internship Program
30 trained with internship
In Huawei HQ

PDTP

100 Interns Trained Certified, Mentored at GOK and Private partners:2016

400 to go through the same cycle: 2016

Microsoft CRM Academy

200 students been trained & certified in progress