

## CAUCUS 3

# ICT HUMAN CAPITAL & WORKFORCE

### OBJECTIVE

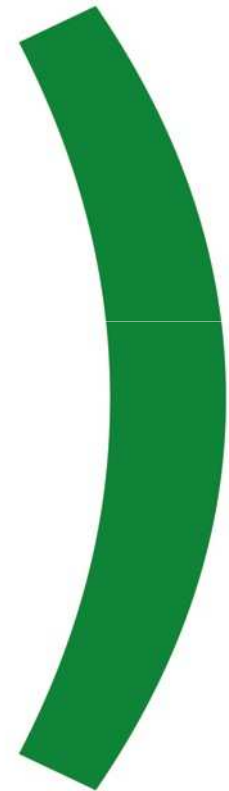
- » Develop a critical mass of local high-end ICT skills
- » Develop ICT ready workforce
- » Increase digital literacy of citizens
- » Strengthen ICTA's leadership and ICT capacity

## 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

## 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

## 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**
- **22,000** Devices to be deployed by June 2017
- Availability **Platforms-** e-Content, Trainers, Infrastructure

### 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

## 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 Technopolis Development Authority (KoTDA)
- World renowned **Stanford University** & some of the local universities have expressed interest

# FLAGSHIP PROJECTS

## 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

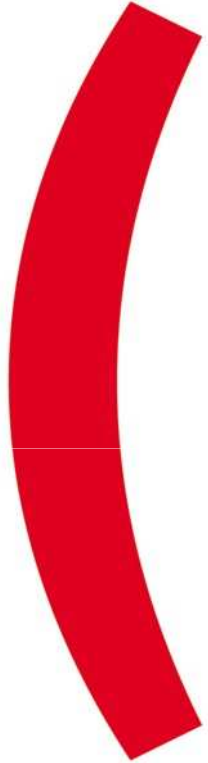
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- 1 Need to source for more funds to support the program especially for certifications and operations – Content, Training, Certification, Mentoring, employment process
  - 2 Support is required for creating program awareness for the sourcing of talent from Academia. Also support from ICT sector and non ICT sector on the need for employment of trainees upon completion of the program
  - 3 Need for more Industrial partners to provide support in terms of mentors and attachment

# Recommendations

## 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 Public-Private Capacity building program through the **Job & Skills Testing Portal**
  - 2 Improved collaboration between government and private sector in the capacity building initiatives, including aligning projects with industry needs
  - 3 Inclusive development of Massive Open Online Course (MOOCs) for **School, Vocational** and **Higher Educations**. Encourage more public universities participation in the implementation





THANK YOU

Q&A