Day 1

Date :14/10/2022

Speaker: Crispin Oguna, Huawei Certified Academy Instructor

Topic: Much about Huawei, what it Does

* Choluteca Bridge >What happen when you can’t adapt . Every system is particularly design to get results it gets

Contents

* Big data era
* Huawei kunpeng Data solution

**Huawei**

Founder: **Ren Zungfei**

Industries Solutions

* Education-Zoom
* Energy smart energy
* Finance
* Governance
* Healthcare
* ISP
* Manufacturing
* Retail

4th industrial revolution and Embracing Intelligent Era

* Steam power
* Electric power 1860-1920
* Computer and communication -wi-fi and internet 1940-2010
* Cloud computing and big Data ,IoT,AI

Changes in the ICT Industry: Bottleneck of system construction

Data become a new asset and

1.Capital and technology>data and intelligent become a major resource

2.>Technical architecture Evolution of the cloud -base Data Mid-End

* SQL-Data warehouse
* Hadoop -Big data platform>advance of
* AI powered data mid-end
* Convergence and monetization

3.Gradual integration of data and AI Technologies

Moving from data management to data operations

* How much Data is collected
* Data drives Domain making
* Data drives process

Big Data Era refers to data sets with sizes beyond the ability of the community and use softwre tools to capture, manage and process data

4V

* Volume
* Velocity
* Variety
* Value

Big Data Processing vs Traditional Data Processing

Data scale>large (GB, TB) -small(mb)

Data types>structured data in traditional (single data type)- various data types

Big Data Market Analysis > predicted that the overall scale of the big data will exceed the city

SD1>software defining wide area network

>>look about structured, semi-structured data

2.Huwaei Kunpeng Big Data Solution

Kunpeng -processor to manage big data solution

Huawei Big Data Services

* One Stop services for data development, test, and application
* Tools
* Kafka
* Loader
* Internet of everything -massive volumes of Data Requires high Computing power
* Smart mobile devices are replacing traditional

Panorama of kunpeng Computing Industry Ecosystem

* Technical echo-system
* Developer ecosystem
* Community building
* Collaboration with the university
* Industrial ecosystem
* Partner ecosystem

Built the computing capability of the entire system of the Huawei processor

* Efficient computing
* Safe and reliable
* Open ecosystem

Speaker: Gwen Waswa

ICT Areas

1. Information Security

* Cyber security

Reasons for the shortage of cyber security experts are various and vary in by region

* Women are not well involved-leadership does not understand their effort
* Deliverance of cyber security sector

Information security experts and related certification

**Efforts to enhance employability**

1. Internship programs >

* public service commission
* IcT authority

1. Ajira Online
2. Innovation -Whitebox

Jobs in ICT

Analysis and designer

Expected and required skills

Can you test for all skills

* Communication skills
* Design skill
* Reaction pressure
* Professional and industrial skills
* Management skills

Career awareness

Laws governing ICT in Kenya

* The constitution of Kenya 2010

As a source of law enshrines the rights to access information held by the state and that held by another person

* Kenya vison 2030

Development goes for wealth and job creation is achieved through industrialized information society

Objectives

Facilitate creation of dignified jobs that provide financial security independence to allow

1. Innovation and future thinking
2. Local and international connectivity
3. Develop real solution

ICT POLICY

Kenya has implemented the national communication

* The Kenya communication act (no 2 of 1998)

Areas of Specialization

Ethical issues in IT

* Personal privacy
* Access rights
* Harmful action
* Copyright
* Reliability

What are safety issues in ICT policy guidelines

What you should take care of:

* Trailing cables
* Split drinks or food
* Heavy object falling

Software Development

**Applications and E-government services**

* To transform gov by modernizing processes
* Offer better delivery processes

What is E-government > it is the transformation of government processes

E-gov is the use of ICT to interact with citizens and other sectors

Use of E gov in ICT’

Digital online access of info

Vision >improve quality of e-gov services

Objective

**Key Initiatives**

Optimizedand automate department core processes

e-payment- improve payment processing

government wide collaboration

A citizen interact with the government as follows:

1. Gradle
2. Twilight
3. Adulthood
4. Teenage

**Benefits to government**

Law and policy making

Better regulation

Faster and better formulation of policies

Taxation -better revenue

More efficiency services to citizen and business

* Better image
* Cost cutting
* Control of corruption
* Better targeting of benefits

**Benefits to business**

* Increased velocity of business
* Certainty in getting the services
* Better quality of life
* Ease of access of information
* Added convenience-multiple deliverance channel

**Ingredients of transformation**

* Department centric approach>customer centric approach
* Output based- outcome based

**Government shared application**

* Human resource services
* Finance services
* Procurement
* Email and websites
* Technology support services

Application

Data Hubs

Personal Data hub >IPRS> all our detail are in

**Information Security:**

Protection of information and information systems against unauthorized access

**Role:**

**Gov** concern for information security

Growth of internet across the world has increased