TRANSFORMING AFRICA’S EDUCATION THROUGH ICT

THE DIGITAL LITERACY - KENYA CASE - TRUE STORY

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The Content

• Programme Concept/scope
• Prime Achievements
• Implementation Approaches and Power of Internet
• Key Learning and Experience
Business Objective

**Smart Schools**
- Quality Content and accessibility
- Skilled Teachers
- Better Learning facility
- 21st Century Learners

**Smart Industry**
- Relevant R&D
- Device Construction/Local Assembly
- Application & Content Development

**Smart Society**
- 10%-30% of GDP in
- Everyone uses technology
- 10% produce technology
- 20% in technology sales & services

Digital Literacy 2030
- Technology learner
- Technology designer
- Technology ‘farmer’
Programme Scope

• Integration of ICT in education in Kenya covering 24000 public primary schools with over 1.2 million digital devices
• Power connectivity to 24000 Schools
• Distribution of Digital Content to Schools
• Training of over 300,000 teachers-Continous
• Provision of Technical support to the Programme
• Set up of two assembly plants for electronic devices
• Employment creation of over 300,000 jobs –D/indirect
• Stakeholders engagement
ACHIEVEMENTS IN 1 YEAR

Schools targeted 24000

Teachers trained
In 11000 schools [over 100,000]

Schools installed
Over 14000

Schools Ready with power, desks
OVER 22000

Digital Content
Ready for Class 1, 2 and 3

Assembly plant at JKUAT
Four Attempts

• 1st attempt – Funding not enough-Poor planning
• 2nd attempt- One bidder for Multi-Billion –Court Case
• 3rd Attempt – Complexity to the Programme to MED—
• 4th Attempt– All stakeholders engaged –It Took off
‘Prime’ Preparation

- Prime Planning-Budget-stop over preparing
- Prime Leadership
- Prime Engagement
- Prime ‘Risk’ and Mitigation
- Prime M&E
- Prime Policies
The Power of Internet in Deployment of DLP - Management

- 1. Portal for all the schools - Open data - E-readiness assessment
- 2. Portal for Communication/Coordination - Project teams
- 3. Portal for Stakeholder Updates
- 4. Portal for Citizen
Power of internet Digital Content distribution

1. Access to content is independent of the device being used
2. Variety of content
3. Government enhance controlled and access to content
4. Universality of content platform
5. Interactive content
6. Create Training and awareness
Power of Internet in Deployment of Digital content

1. Internet used to distribute content to Learners
2. Devices deployed with offline content
3. Learners to login to KICD Cloud to update content
4. Content industry is US 13 Billion not yet exploited
5. Content developers login to cloud infr and submit their content
6. Payment module incorporated
7. Liberalization of content development
Challenges/Experience

- Usage and access to internet stuff - Religious groups?
- Change of roles – Teacher/Learner? Who is faster? Teacher training?
- Power to schools? Huge cost? Sustainability?
- Schools infrastructure – classrooms?/desks?
- The changing digital content?
- Stakeholder buy in? who to involved? What stage?
- Policies/regulations? Required?
- Tone at the top? Leadership?
- Which sector to lead implementing team? ICT/Education?
The Proof is in Kenya

• Trues Stories about ICT in Education
• Real Issues.... Challenges and Experience
• What you cannot get in books and Wikipedia’’

“BUT IT WORKS IN KENYA HERE IN AFRICA”? China took this initiative years back and
Thanks & Bye! Bye!!

AFRICAN CHILD NEEDS YOUR SUPPORT!!