

# Benefitiating The Fundamentals of Work-Relevant Skills Development Through ICT Integration

A Presentation

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## Nature of Classrooms Over 100yrs



**“The youth are the future of Botswana. If we fail the youth, Botswana has no future ”- President Dr. M. E. K. Masisi rightly headlining the transformation of education and its relevance to youth employment (Presidential Inaugural Speech, February 2018)**

“.....the Botswana we learnt in is not the Botswana that our children learn from...the classroom is but one of the instruments of learning which today includes the vast and open resources of the electronic media...”



The classroom continues to serve the growth of human capital in Botswana. However, concerns about the relevance of education and skills today must include a global adoption of information technologies in the creation, management and delivery of knowledge and information, as well as its pipeline into employment and employability.

# Youth Are Learning In ICT

## 4th Industrial Revolution Techniques

Source: Kevin Kelly - **New rules for the new economy: 10 radical strategies for a connected world (1999)**

The skill sets that are required for remaining competitive, must respond to the demands of what current popular business analysis terms “creative destruction” and “disruption” (Kessels, 2001).

These concepts refer to the unpredictable effects of innovation after it is introduced into a market, is adopted and then exerts force of obsolescence



# The Workplace Cannot Anticipate Future Work

- 1 The impact of innovation of sweeping changes in know-how has led even the largest corporations to think in terms of projects rather than growing corporate structures to manage the powerful up-sides and the downsides of opportunities brought by innovation
- 2 Relevance of skills development to employment will be tested and established through participation in projects in future
- 3 Today's entrepreneur is to package the economic value of their own human capital and assume a high level of self reliance, advanced techniques of self management, including the management of their own intellectual property
- 4 The emerging learning environments of lifelong learning and rapid retraining have redefined our expectations of schools and universities as they pursue relevance to the skills requirements of jobs that they have often not yet imagined

# ICT Based Smart Teaching & Learning Systems Benchmarks





Introduction of ICT based teaching and learning support systems that are globally ready, tried and tested to address today's analysed challenges and can bring closer, learners, parents and teachers to resolve common issues on the performance of the education sector in Botswana as basis for sustainability of the country's skills development within the consensus of its stakeholders, in line with the Botswana Education and Training Sector Strategic Plan (ETSSP) 2015-2020)



## The Teacher As An Actor in the Classroom

A teacher is a mediator between the learner and knowledge, facilitator and manager of a learning environment, a versatile, constant performer, who applies judgement and making adjustments...to facilitate self-learning

“There are no bad teachers or learners, but only badly managed schools”. This could be a call for a school managerial intervention solution that does not require a costly professional manager, or overextend busy teachers or school administrators



# School Management Systems

School administrators do not see their role as managerial but rather as serving a management process. Professional managers are seldom attracted to school because their career path is ambiguously placed between that of teachers and administrators (Mortimore, 1993)

The ICT based school management systems allow for effective planning that clarifies and projectises school management activities in such a way that allows easy resource management and budgetting, transparently



- Applying knowledge management principles and technological supports in classrooms brings us closer to solving the long documented education problems
- Effective integration of ICT based resources into the skills development pipeline backdates a knowledge economy working environment into the learning matrix environment
- Therefore the urgency of consolidation of appropriate tools in developing skills that are relevant to the needs of a knowledge economy are a data collection and performance tracking system for work-relevant knowledge and skills development that enable managerial decisions
- This value proposition enhances the realisation of Vision 2036 commitments to place youth at the centre of economic diversification that recognises Creative Industries (CIs) as legitimate drivers of a knowledge economy which globally favour youth participation and are based upon innovation

Thank you



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