

Ministry of Education and Human Resources, Tertiary Education & Scientific Research

RELEVANCE AND CREDIBILITY

How do we ensure Graduates of today are ready for jobs of tomorrow?

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What are the jobs of tomorrow

2/3 of current school-going children will grow to have careers that **do not even exist** (OECD, 2017)

What **skills** will be in demand
in those jobs?
for those jobs?

How to turn the
unknown unknowns
of tomorrow into
known knowns

- Industry prefers highly-skilled labour in specific fields, ASAP
- Jobs will require appropriately trained people
- Technological advances will be a common denominator to jobs
- Today's technical training may become obsolete
- **About 80%** of the contents of a graduate study programme NOT used on a job.

Tomorrow's jobs



Some

KNOWN KNOWNS

INFRASTRUCTURAL

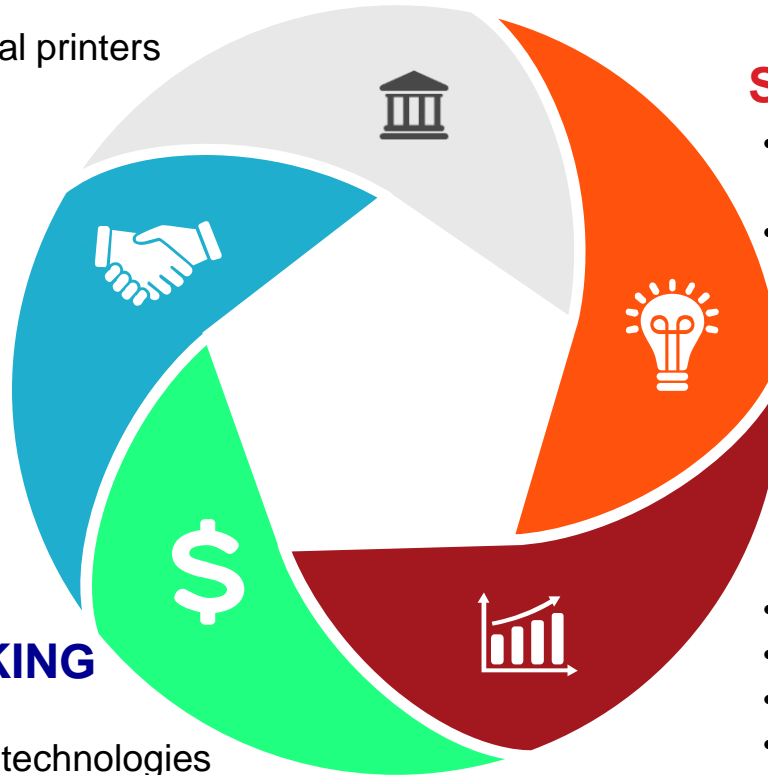
- 3D Printers
- WikiHouse
- Infrastructural printers

IT-RELATED

- Deep analytical roles
- Big data savvy roles
- Direct and indirect jobs from digitisation

FINANCE AND BANKING RELATED

- Block-chain technologies
- Mobile banking



SERVICES SECTOR

- Open-data websites – Law, Accounting, Engineering
- Entrepreneurship, e.g. for Airbnb, Nimber, Uber, etc.

OTHERS

- Driverless vehicles
- Internet-of-things applications
- Robotic medical care
- Sustainable transportation

Future of Jobs, World Economic Forum – Davos (2017)

Known KNOWNS: THE CURRENT TRENDS

PLANNING FOR THE KNOWNS

1

TRAINING PROGRAMMES

- Shorter course duration
- More focused course content

Challenge to Universities: Are traditional courses still relevant if 80% is unused? Is it a QA issue? Should a new model with shorter, focused courses be favoured?

2

INCREASED EXPOSURE TO I.T.

- Ensure courses have a strong IT component
- Basic computing and programming knowledge

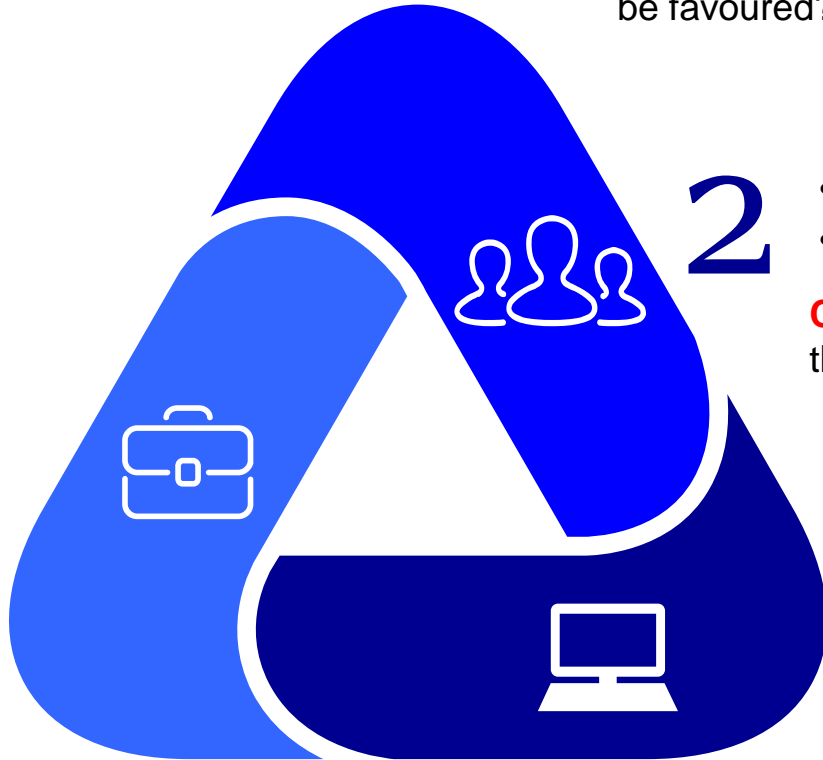
Challenge to Policy makers: How to ensure the sustainability of this kind of IT-exposure across the whole education journey?

3

EMPLOYABILITY READINESS

- Maintain basic and core technical teaching
- Focus on outcome-based education
- Entrepreneurship skills

Challenge to Industry: Can you list your essential soft skills requirements?



Gearing for the UNKNOWNNS

The Mauritian contemporary actions

- NYBCE : Holistic Education
- Career guidance portal
- Strict entry requirements to higher education
- Pathways
- Polytechnics Education
- Graduate Training for Employability Scheme

- Primary School Tablet Project (Grade 1 – 3)
- IT Proficiency assessment (Grade 6)
- Student Support Portal (Grade 7 – 9)

**Are we creating a new type of educational customer?
Chaos in as little as 5 years time?**

- National Open Data Policy
- National OER Policy
- NREN Project
- HPC Centre as part of SKA Mauritius project

- Industry consultative committees
- Graduate-attributes based training
- Soft skills as part of all curriculum
- 3rd language policy
- Higher Education Advisory Council



**Training
Programmes**



**IT
exposure**



**Job
Readiness**

How do we ensure Graduates of today are ready for jobs of Tomorrow?



1

1. Be ready to continuously incorporate modern practices in the Education system



2

2. Create graduates with entrepreneurs' mindset and adequate soft skills to be able to re-engineer themselves



3

3. Adapt the supply of graduates to be demand-driven

**THANK YOU FOR
YOUR ATTENTION**



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