LINKING TECHNOLOGY QUALITY AND HIGHER EDUCATION

Today’s Technology for Tomorrow’s Workforce

Flexible and Blended (FaB) Training & Learning

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Presentation Overview

- Technology in TVET or higher education
- Flexible and Blended (FaB) Learning Approach
- Transformational benefits
- YTEPP Limited’s FaB Life Skills course
- The introduction of a Learning Management System (LMS) and FaB Learning
- Students’ views on using the LMS
- Considerations for implementation
- What’s next for YTEPP Limited?
• It is imperative for the Caribbean region to enhance Technical Vocational Education and Training (TVET) capacity to become an effective competitor in the international market

• TVET can no longer be regarded as optional or marginal

• TVET is key to creating a workforce with a competitive advantage
DISRUPTIVE TECHNOLOGIES IMPROVE EDUCATION

GAMES

GOOGLE

OPEN SOURCE

Google and wide access to the internet changed the way students operate and learn
Flexible and Blended (FaB) Learning
Transformational Benefits

- Cost reduction for both the institution and students
- Assists in completing work-related performance activities
- Contributes to increased student target figures and a wider demographic of learners
Transformational Benefits (cont.)

• Allows more time to conduct practical activities during face-to-face training sessions
• Caters to different learning abilities and styles
YTEPP Limited’s FaB Life Skills Course

The Life Skills course is a mandatory component of the YTEPP Limited TVET programme designed to provide students with the soft/employability skills and attitudes required for acquiring sustainable employment and self-employment.
The Introduction of a Learning Management System (LMS) and FaB Learning

• Implemented during the 2017-2018 academic year at YTEPP Limited day-time centres

• Incorporated Face-to-Face (F2F) sessions and e-learning support in the course design

The Life Skills curriculum, repurposed and adapted for a FaB pilot
Welcome to the new blended learning experience that is **LIFE SKILLS**.

Here we explore strengths and weaknesses, we investigate, we research, we discuss, we share, **WE GROW!**
## TVET Group Composition for FaB Pilot

Age ranges 20-50 years  
Both male and females  

Traditional TVET classes consisting of a computing component in training and those that do not  

### Learning Orientation Model  

The group composition comprised of the following types of learners:  
- Transforming Learners (highly motivated)  
- Performing Learners (work better in groups)  
- Conforming Learners (need reinforcement/approval)  
- Resistant Learners (may actively or passively avoid learning)

<table>
<thead>
<tr>
<th>Group 1</th>
<th>Students Enrolled</th>
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</thead>
</table>
| 1. Television & Video Production  
2. Editing & Advanced Camera Operations  
3. Live Sound Engineering  
4. Garment Construction | 19 |
| Group 2 | 23 |
| 1. Electrical Installation  
2. Fluid Power Equipment Maintenance  
3. Cosmetology |  
| Group 3 | 20 |
| 1. Grow Box Operations  
2. Desktop Publishing  
3. Data Operations |  
| Group 4 | 23 |
| Institute of Cosmetology  
1. Esthetics  
2. Hairdressing |  
| TOTAL | 85 |
Students’ views on using the LMS

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree
- NR

<table>
<thead>
<tr>
<th>Feature</th>
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<th>Agree</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
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<td>33</td>
<td>11</td>
<td>11</td>
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<td>49</td>
<td>76</td>
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<td>Instructions were understandable</td>
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<td>33</td>
<td>33</td>
<td>24</td>
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<td>49</td>
<td>49</td>
<td>18</td>
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</table>

85 total students
44 students completed

44.5% completed online activities
People do not notice GOOD course design they only notice BAD ones...
Considerations for Implementation

1. Course Design and Delivery
   - FaB delivery: appropriate ratio of F2F and online content and pace of course
   - Inclusion of synchronous and asynchronous activities

2. Infrastructure costing includes:
   - Equipment, software, internet access
   - Staff: hiring new staff and/or reassignment of duties
   - Integration of technological methodology
     - Research to select best suited LMS
     - Train/upskill students' digital literacy

3. Training of FaB Developers and/or Facilitators
   - Interdisciplinary Team Model (various experts share their skills and "Guide to the side" Technical Support)

4. [Diagram showing a login screen with fields for Username and Password]
What’s next for YTEPP Limited?

• Implementation:
  – FaB Life Skills Course 2019
  – Manicure & Pedicure Course

• Course development:
  – Food Preparation
    (for persons with disabilities)
  – Draughting, Construction Technician