NEW TECHNOLOGIES AND INNOVATION @TAFE DIGITAL
# A DIFFICULT BALANCE

**Business as Usual:** Australia’s largest online VET provider with 100,000 students

<table>
<thead>
<tr>
<th>Assessments submitted</th>
<th>New online enrolments per week</th>
<th>Student Log-ins per annum</th>
<th>Teaching and Learning satisfaction score</th>
</tr>
</thead>
<tbody>
<tr>
<td>97,143</td>
<td>1,200</td>
<td>2.13mn</td>
<td>80.4%</td>
</tr>
</tbody>
</table>

**Incubate and Innovate:** pilot ideas, use new technology to improve student experience

<table>
<thead>
<tr>
<th>Innovation Projects</th>
<th>AR/VR Prototypes Underway</th>
<th>Digital Lab Investment</th>
<th>Digital Course Assets Produced</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>12</td>
<td>$3mn</td>
<td>2,500</td>
</tr>
</tbody>
</table>
IN-HOUSE DIGITAL DESIGN TEAM

A team of 70 experts in the development and building of educational materials: learning designers, graphic designers, videographers, editors, builders, immersive media. A digital first approach.

Improved Interactivity in our Learning Experiences

Augmented and Virtual Reality

Reviewing Course Structure to build Best-Practice

....A DIGITAL FIRST APPROACH
DIGITAL CAMPUS
| THE EXPERIENCE
THE MOST IMPORTANT GLOBAL TREND
**TAFE NSW DIGITAL CAMPUS: A NEW ERA**

### Student networking
Facebook style friends

### Personal EA
Calendar alerts and linkage to Microsoft Outlook

### Pathways
Completed units are mapped to other courses in TAFE NSW can be extended to partner universities

---

**Course Map**
Course Progression Map and Tracking And Badges Tally

**Collaboration**
Student and teacher classroom collaboration – Microsoft Skye for Business

**Resources**
Online library catalogue

**Jobs Board**
Online live jobs notice board
OUR ROADMAP

DIGITAL CAMPUS 1.0
Skype Appts
Community Learning
Nudge Pilot
AR/VR Prototypes
Concierge Service

DIGITAL CAMPUS 1.5
AI and Learning Analytics
Work Placement App
AR/VR Selected
Blended Learning Pilot
Work Placement App
Badging

DIGITAL CAMPUS 2.0
Online Interactive Digital Learning
+ Embedded AI and Personalised Learning

...A fully integrated digital platform for teachers and students
DIGITAL LEARNING LAB
THE INCUBATOR
THREE SPECIALIST TEAMS BASED IN REGIONAL NSW

LEARNING TECHNOLOGIES
0-2 year focus
- EdTech
- Design tools
- Deep focus on optimizing learning outcomes

LEARNING ANALYTICS
0-2 year focus
- Data Science
- Big Data
- Predictive Modelling
- Intervention technology

INNOVATION TEAM
2+ year focus
- Immersive Tech (AR/VR)
- Robotics
- Artificial Intelligence
- Voice Technology

TAFE NSW DIGITAL
**INTERNAL FOCUS**

Driven by the principles of:
- Explore
- Develop
- Test
- Pilot
- Agile

In partnership with ICT before we:
- Adopt
- Scale Up
- Deploy

---

**EXTERNAL FOCUS**

Partner with external stakeholders on developing innovative applications of emerging technologies to solve business, industry and community problems.
THANK YOU
MEET THE MODERN LEARNER

As training moves to more digital formats, it’s colliding with new realities in learners’ jobs, behaviors, habits, and preferences.

Today’s employees are overwhelmed, distracted, and impatient. Flexibility in where where and how they learn is increasingly important. They want to learn from their peers and managers as much as from experts. And they’re taking more control over their own development.

OVERWHELMED...

1% of a typical workweek is all that employees have to focus on training and development

UNTETHERED

Today’s employees find themselves working from several locations and structuring their work in nontraditional ways to accommodate their lifestyles. Companies are finding it difficult to reach these people consistently and even harder to develop them efficiently.

- 37% of the global workforce is expected to be “mobile” by the end of 2015
- 30% of full-time employees do most of their work somewhere other than the employer’s location
- 20% of workforce comprised of temps, contractors, and freelancers

ON-DEMAND

Employees are accessing information—and learning—differently than they did just a few years ago. Most are looking for answers outside of traditional training and development channels. For example:

- To learn what they need for their jobs, 70%+ of employees access search engines, online courses, or other resources.
- People are increasingly turning to their smartphones to find just-in-time answers to unexpected problems.

COLLABORATIVE

Learners are also developing and accessing personal and professional networks to obtain information about their industries and professions.

- ~80% of workforce learning happens via on-the-job interactions with peers, teammates, and managers
- 55% of training courses are delivered by an ecosystem of 2,000+ peer learners

EMPOWERED

Rapid change in business and organizations means everyone needs to constantly be learning. More and more people are looking for options on their own because they aren’t getting what they need from their employers.

- 2½ to 5
- 38%
- 62%