



Advance
Centre

Professional Education
for Digital Transformation

Learning
Without
Limits

Advance Centre

Introduction

Louise O’Gorman

Provided by



University College Dublin
Ireland's Global University



Atlantic
Technological
University



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Advance Centre



- HCI Pillar 3: Irish Industry Future Skills Needs
- Founded in 2020 by UCD, ATU (formally IT Sligo) and TU Dublin
- Flexible Study
- QQI Accredited courses (Levels 6-9): Modules to Masters
- Industry Partners
- 11 Thematic Areas



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**Advanced Electronic
System Design**



AI for Medicine



Cyber Security



Data in Context



Data Science



Digital Agriculture



Digital Manufacturing



Financial Mathematics



Health Data Analytics



**Quantum Engineering &
Computing**



Software Engineering



**Advance
Centre**

Professional Education
for Digital Transformation

Supporting ATU academic colleagues

- Digital Transformation tools
- Enhance online learning offering
- Future Proofing of Skills
- Opportunity to tailor content





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Yvonne Sarsfield Instructional Designer

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Objectives

- Research and identify appropriate technologies
- Evaluate the practical and technical environment for teaching and learning
- Assessment - through running pilots to consider suitability
- Make recommendations for the digital resources to be used for teaching and learning
- Organise and make available these technologies and resources to faculty
- Foster a community of practice



Research and identify appropriate technologies

- Identify suitable technologies
- Ensure that they meet the needs of the faculty staff and the students
- Enhance the learning experience
- Increase student engagement
- Provide tools to create effective and innovative teaching methodologies



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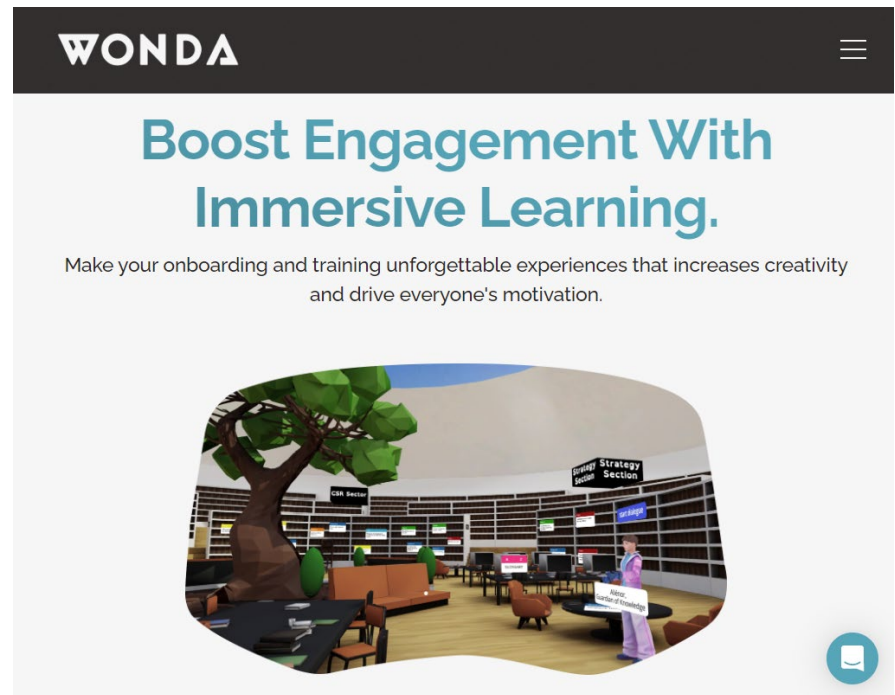
Professional Education
for Digital Transformation

Evaluate the platforms and products identified

- Ensure that they are reliable, user-friendly and cost effective
- Assessing the quality and reliability of the technology
- Ability to integrate with the existing ecosystem of the Advance Centre and ATU
- Consider the technical support and training required
- Consider the accessibility, privacy, and security of the technology

Assessment

- To identify any potential issues
- Assess its effectiveness
- Get feedback from the faculty staff involved
- Enables the identification of any gaps in training or technical support required
- Ensure the successful implementation of the technology



WONDA

Boost Engagement With Immersive Learning.

Make your onboarding and training unforgettable experiences that increases creativity and drive everyone's motivation.



Recommendations

- Develop a comprehensive list of digital resources
- Based on the identified gaps, effectiveness, and suitability of the technology
- Include any necessary training and technical support required

Organise and make available

- Create an Advance Centre Moodle Page
- Access to the identified and recommended digital resources
- Faculty staff can share their experiences with other faculty members
- Serve as a platform where faculty staff can request training on the identified technologies
- Track the progress and effectiveness of the digital resources



Foster a community of practice

- Discuss emerging trends and technologies
- Share best practices, and seek advice
- Collaboratively create and edit documents
- Organise and facilitate webinars and online workshops
- Resource sharing

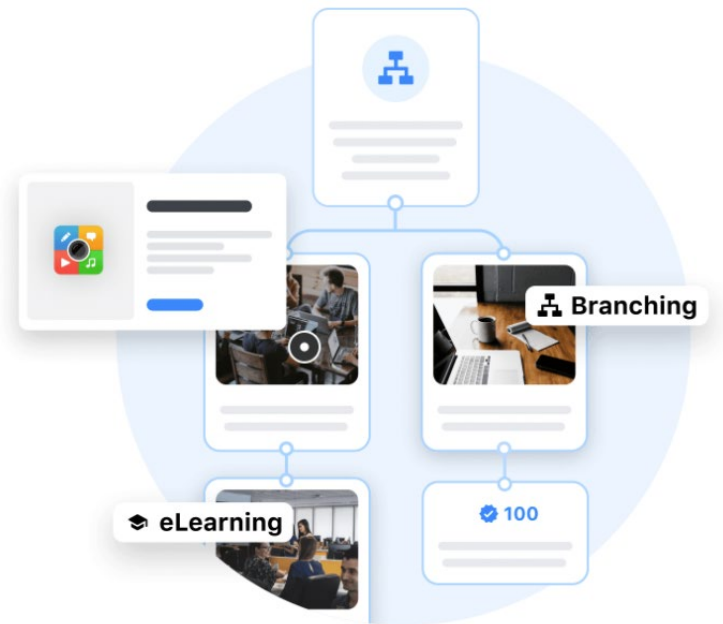


Comprehensive Resource Hub

SOFTWARE	HARDWARE	PLATFORMS	INSTRUCTION GUIDES	VIRTUAL TOURS
EXPLAINER VIDEOS	CASE STUDIES	3D ASSETS	360 VIDEO FOOTAGE	E-BOOKS

Conduct pilots

- Course Creation
- Group Management
- Forums
- Quiz Creation
- Tracking Progress



Case studies / Tracking progress

- Sharing the case study
- Analysing the case study
- Incorporating the case study into future projects
- Tracking progress



Provide training and support

- Multimedia Support
- Collaborative Learning
- Assessments and Feedback
- Badges and Certificate



Community

- Forums
- Groups
- Messaging
- Wikis
- Blogs





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Legacy

- Increased digital competency
- Enhanced teaching and learning
- Sustainable digital culture
- Improved recruitment and retention
- Increased collaboration
- Inform future projects



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