



# DIGITAL INSIGHTS 17 JUNE 2021



Insights into digital  
teaching & learning  
projects in GMIT

Book your place **HERE**



9.30am **Welcome: Dr Orla Flynn, GMIT President**

## **IT/Computing Services: A year in review and what to expect in 2021-22**

**Donal McGinty and Computing Services Team**

Computing systems and support services have been a key enabler of learning during the pandemic with the sudden flip to a fully online learning environment. System utilisation and security metrics will be presented showcasing the year gone by. Ongoing novel projects such as the application of Teams for telephony and new developments in 2021-22 will be explored.



## **Building Digital Capabilities with DigitalEd**

**Dr Carina Ginty, Teaching & Learning Office**

Learn about the development of the [DigitalEd.ie](#) knowledge platform and how it is evolving to include [learning pathways](#), a [Digital Champion](#) network, a suite of [digital resources](#), a growing [digital community](#), and plans for the future.



## **The Digital Champion Experience**

**Dr Clare Gilsean, Dept of Hospitality & Culinary Arts  
and Dr Trevor Clohessy, Dept of Enterprise & Technology**

Two GMIT Digital Champions share their experience as a "digital champion" during the past year and showcase some of their innovative digital teaching practices.



## **Using Microsoft Lens as an Assessment Tool**

**Dr John Healy, Dept of Computer Science & Applied Physics**

Creating a suitable substitute for a written exam in an online learning environment can be very challenging. This session will present the experience and results of using Microsoft Lens in combination with MS OneDrive and Moodle to facilitate written examinations in online mode for final year software development students.



## **Using Podcasts to Support Learning**

**Dr Trevor Clohessy, Dept of Enterprise & Technology**

Research demonstrates that Podcasts are a valuable tool for knowledge transfer activities in blended learning environments. In this session, Trevor Clohessy will provide his experiences of using creating and using podcasts in his modules. Trevor will also demonstrate the tools necessary to create a professional podcast.



### 10.20am Q&A

#### **Catch your lobster and eat it!**

**Dr Katie O'Dwyer, Dept of Natural Sciences  
and Ulrich Hoeche, Dept of Hospitality & Culinary Arts**

Digital champions from science and culinary arts combine for the development of digital and immersive field, laboratory and kitchen experiences for students. The aim is to provide students with remote practical-based work experience opportunities. We will provide an update on the T&L project which is in the early stages of development. This project is supported by the T&L Office and the SATLE Innovation Fund.



#### **Library Resource Lists Online**

**Maura Stephens, Library**

A brief demonstration on how module owners can compile and edit a module reading list to link directly to course readings in the library catalogue will be provided. These can also be embedded in a course on Moodle, using the external tool linker, facilitating easy access for the student.



#### **DigitalEd Professional Services Learning Pathway**

**Jessica Duffy, Teaching & Learning Office**

Find out about the new **Professional Services Learning Pathway** developed under the **iNOTE / DigitalEd** Project that will support CUA PMSS staff to develop their digital skills and support online and blended learners. A suite of digital badges has been created and embedded into this learning pathway.



#### **Accredited Bespoke Online Careers Module**

**Bridie Killoran, Careers Office**

The Accredited Bespoke Online Careers Module is designed as an alternative to work placement for students from different disciplines. It is a digital transformation using web design and iconography, supported by the latest career development software packages, leading the student through a self-directed journey of self-discovery and career exploration. This project is supported by the T&L Office and the SATLE Innovation Fund.



#### **First Year Online Induction**

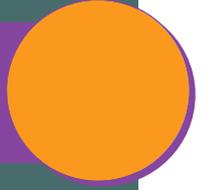
**Dr Sean Daffy, Teaching & Learning Office**

This academic year, student inductions could not take place on GMIT campuses. The BOLT initiative created a suite of **Online Induction Courses** on Moodle for different student cohorts. This presentation looks at the First Year Online Induction course and examines how students used resources and interacted with each other online.



10.55am Q&A

11am Break



### **Design Thinking Approaches in Digital Learning Projects**

**Dr Gabriel J Costello, Dept of Industrial & Mechanical Engineering and Orla Skehill, Teaching & Learning Office**

Design Thinking is a human-centred approach to design, which is now being used in a wide variety of disciplines that include Business, Information and Communications Technology, Education and Medicine. An online "Introduction to Design Thinking" is now available to staff and students via the Library Moodle page. The virtual workshop held during DigitalEd Week indicates a growing interest from staff in this topic.



### **Digital Academy for a Sustainable Built Environment (DASBE)**

**John Scahill, Dept of Graduate & Professional Development**

The DASBE project is an ambitious collaboration where GMIT partners up with LIT and AIT to develop a national digital built environment academy. The aim is to provide construction Industry stakeholders with the opportunity to upskill and gain new knowledge in a cost effective, worker centric, digital learning environment.



### **Developing Student and Staff Learning Pathways to move from Sustainability Literacy to Sustainability Leadership**

**Dr Mark Kelly, Dept of Building & Civil Engineering**

The aim of the project is to support staff and students in GMIT who wish to learn more about sustainability and the Sustainable Development Goals. The project will create a flexible learning pathway for staff and students, which will provide opportunities for participants to become Sustainability Champions and Leaders across the Institute. The project is funded by the National Forum for the Enhancement of Teaching and Learning in Higher Education.



### **Alternative Work Placements in the Creative Sector**

**Ainslie Peters, School of Design & Creative Arts**

With the creative sector experiencing a significant, and in many cases, permanent shift in work place operations, we piloted a hybrid professional practice module for CCAM's design students in 2021. A combination of skills workshops, industry mentorship, remote project teams, and a guest speaker series allowed our students to participate in an alternative work placement programme that was developed to mimic the working environment they will likely face upon graduation. This project is supported by the T&L Office and the SATLE Innovation Fund.



### ***NutriPD: Growing Professional Competence in Nutrition – aligning Nutrition Educators in HEIs in Ireland to the national professional development framework and developing graduate competencies to meet accreditation standards***

***Dr Lisa Ryan, Dept of Sport, Exercise & Nutrition***

The NutriPD project has established a Community of Practice for registered nutritionists in Ireland with 50+ members already, completed a Systematic Literature Review on competency-based assessment (CBA) in nutrition education, and are assessing students' and educators' conceptualization of professionalism in the nutrition. They are also in the final stages of developing a CBA framework. The project is funded by the **National Forum for the Enhancement of Teaching and Learning in Higher Education**.



### ***iSET's Proposed Gamified Sustainable Energy Learning Environment***

***Dr John Lohan & Dr Gabriel J Costello, Dept of Industrial & Mechanical Engineering and Gerard Nicholson, Dept of Building & Civil Engineering***

The aim of this project is to develop a gamified learning environment for sustainable energy technologies and behaviour. It will support education for sustainability initiatives and position GMIT as an Educational-focused Sustainable Energy Community (Ed-SEC) that leverages gamification as the teaching environment. The project is an initiative of the iSET research group.



## 11.50am Q&A

### ***Learner Success Dashboard: Early Alert and Intervention System***

***Dr Etain Kiely & Dr Cormac Quigley, Dept of Biopharmaceutical & Medical Science and Computing Services Team***

This session will present a prototype dashboard and dynamic 2-way reporting system to visualize student success data and trigger alert notifications (depending on student engagement profile). This enables timely and appropriate intervention strategies to be implemented and captured leading to better student retention and well-being.



### ***Future Build Educate***

***Irene Hayden, Dept of Building & Civil Engineering***

In a bid to capture Continuing Professional Development (CPD), and digital educational resources in the construction industry, the **Future Build Educate** platform has collaborated with key stakeholders to develop Open Education Resources (OER) using digital learning appropriate for undergraduate students in the built environment. This is ready for roll-out in September 2021 across the CUA.



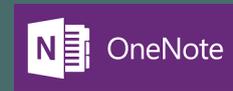
# GMIT Digital Insights

Thursday, 17 June 2021 (cont'd)

## **Maths Toolkit: Short Term Pain, Long Term Gain**

**Dr Etain Kiely, Dept of Biopharmaceutical & Medical Science, Clare Lundon, Dept of Computer Science & Applied Physics and Dr Aoife O'Brien, Dept of Mechanical & Industrial Engineering**

A multidisciplinary team will demonstrate how mathematics educators can save time and effort by streamlining content and resources. This session will focus on how to harness the potential of OneNote classroom to organise and deliver content and the Moodle Workshop activity to coordinate peer review, assessment, and feedback.



## **How We Learn Virtually: GMIT first year voices**

**Dr Janine McGinn & Ronan O'Neill, Dept of Enterprise & Technology**

This presentation showcases one of the digitally focused postgraduate research projects on the MSc in Digital Media and Marketing. Researcher Ronan O'Neill, who is also a GMIT Mayo Outdoor Ed graduate, is uncovering first year experiences of virtual learning on all GMIT campuses. Ronan's work will provide lecturers with useful and valuable insights into what is really working in virtual learning interactions in GMIT.



## **The Transformation of the Quality for Industry Medtech Programmes under iNOTE WP4**

**Marilla Keating, Dept of Biopharmaceutical & Medical Science**

This short presentation explores how the popular Quality for Industry MedTech Level 7 and Level 8 programmes are evolving to further adopt to the needs of non-traditional students by embracing digitally enhanced technologies via iNOTE WP4.



12.20pm Q&A

12.25pm **Close:** *Dr Michael Hannon, Vice President for Academic Affairs & Registrar*

# GMIT Digital Insights

Thursday, 17 June 2021



For further information on *GMIT's Digital Insights*, please contact **Dr Carina Ginty**, GMIT iNOTE / DigitalEd Project Lead or **Jessica Duffy**, GMIT iNOTE Project Coordinator



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