



Project Title: The BIM Futures Toolkit: Designing, developing and piloting a professional development capacity framework for staff, students and industry stakeholders involved in BIM-related practice.

Project Deliverables

Key Strategic Activities	Constituent Activities	Key Performance Deliverables	Timeframe (Identify the projected completion - year and quarter in following format e.g., 2019/Q2)	Status (This column to be filled in, in advance of each project review) ¹
Literature Review and Trend Analysis	Review and critical analysis of BIM-related academic literature.	Summary Research Brief.	2019/Q1	Green
	Review and critical analysis of BIM-related industry literature.	Summary Research Brief.	2019/Q1	Green
The literature review will continue throughout the project. The 'research brief' KPIs proposed have evolved into peer-reviewed publications.				
Stakeholder Engagement	Questionnaire Survey.	Current BIM Educational Awareness, Attitudes and Self-Reported Behaviours Report.	2019/Q3	Green
	Interviews.			Green
	Focus Groups.			Orange
The GMIT BIM Staff Survey has been disseminated with the data collection phase to be completed by 11/10/19. The BIM Bites Interviews commenced on 07/10/19 – these will inform the preparation of the BIM Experts Competency and Skills Survey.				
	Review of BIM Competences.	BIM Competency List.	2019/Q3	Green

¹ Please use the following cell colour to indicate progress –
 Green (progressing as planned or mark completed)
 Orange (delay in achieving deliverable but it will be delivered. Please enter a comment to explain delay)
 Red (Deliverable will not be achieved. Please enter explanatory comment)

Design, development and piloting of the BIM Competency Assessment Matrix	Design, develop and embed the competency matrix into the existing cpdlearnonline.ie resource.	Online BIM Competency Matrix.	2019/Q4	
	Pilot competency matrix with stakeholders.	Reviewed BIM Competency Matrix.	2020/Q5	
A literature review of BIM Competences has taken place, which is informed the preparation of the BIM Experts Competency and Skills Survey. The development of a competency matrix is evolving as it may act as a deterrent to engagement if not designed properly. Focus groups will be convened to co-design the matrix.				
Design, development and piloting of BIM learning resources	Design and development of academic-focused resources including lesson plans, rubrics, assessment briefs, lecture notes, videos, podcasts, templates etc.	Suite of open education resources for higher education staff and students.	2020/Q5	
	Design and development of Industry-focused resources including case studies, templates, transition frameworks etc.	Suite of open educational resources for industry stakeholders.	2020/Q5	
	Embedded formal feedback mechanisms via the learning repository.	Peer and self-review framework.	2020/Q5	
The development of learning resources for staff and students has commenced and is initially been hosted on Moodle and Microsoft Teams Groups. Engagement with industry has commenced via the BIM Bites Series to develop a case study framework that will explore specific roles and responsibilities across the supply chain in BIM-enabled projects.				
Design, development and piloting of BIM Professional Development Framework	E-portfolios, digital CVs and personal development planning.	Embedded into all programmes as part of the programme review process and in industrial practice.	2020/Q6	
	Digital badge framework.	Stand-alone micro-credential options for industry and embedded badges for staff and students.	2020/Q6	
	Project website and updated repository.	Merging of project website (WordPress) and updated cpdlearnonline.ie repository.	2020/Q6	

Started to explore the use of e-portfolios as part of the Site Placement element in Year 3, which commences in January 2020. A Digital Badge Framework is currently under development. A BIM Futures Twitter and LinkedIn have been established.

Dissemination Plan	Working papers/summary briefs.	BIM open educational frameworks, BIM competences, BIM professional development frameworks.	2019/Q2 - 2020/Q6	
	Industry articles.	BIM open educational frameworks, BIM competences, BIM professional development frameworks.	2019/Q2 - 2020/Q6	
	Conference presentations.	BIM professional development frameworks.	2019/Q4 – 2020/Q6	
	Peer-reviewed journal publications.	BIM open educational frameworks, BIM competences, BIM professional development frameworks.	2019/Q4 – 2020/Q6	
	Project website (WordPress).	Ongoing updates, publications etc.	2019/Q4 – 2020/Q6	

Conference presentation and paper at the BIM Gathering 2019 on September 26th, 2019. Chapter on BIM educational academic-industry collaboration under preparation. BIM Futures LinkedIn and Twitter feeds set up.

Project Team

Team Member Role and Responsibility (Please reflect the role and responsibility of all team members)			
Staff Name	Institution	Role	Description of Responsibility
Mary Rogers	Head of Department of Building and Civil Engineering, GMIT	Project Management	Management of resources and delegation of responsibilities.
Dr. Carina Ginty	Head of Centre for Educational Development, GMIT	Project Management	Management of resources and assist in educational developments i.e. updating of existing platforms.
Dr. Mark Kelly	Department of Building and Civil Engineering, GMIT	Project Coordinator	Coordination; literature review; stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; design, development and piloting of BIM professional development framework; and research output.
Gerard Nicholson	Department of Building and Civil Engineering, GMIT	Principal Researcher	Stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; and research output.
Andy McNamara	Department of Building and Civil Engineering, GMIT	Principal Researcher	Stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; and research output.
Jimmy Fahy	Department of Building and Civil Engineering, GMIT	Principal Researcher	Stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; and research output.
Wayne Gibbons	Department of Building and Civil Engineering, GMIT	Principal Researcher	Stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; and research output.
Mark Costello	BIM Director, RPS Group	Principal Researcher	Stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; and research output.
Michelle Fahey	BIM Implementation Manager, J.J. Rhatigan and Co.	Principal Researcher	Stakeholder engagement; design, development and piloting of competency matrix; design, development and piloting of learning resources; and research output.