

The Technology Enhanced Assessment Methods (TEAM) project led by Dundalk Institute of Technology and partnering with IT Sligo, Athlone IT and IT Carlow is exploring the potential offered by digital technologies to improve practical assessment at undergraduate level where concerns such as over-assessment, authenticity and graduate skill development are widely acknowledged. Here, four technology-based thematic areas were piloted and evaluated with Science & Health students across the partner Institutes.

PROJECT PARTNERS



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KEY QUESTION 1: How can practical classes be re-aligned to develop essential knowledge, skills and competence?

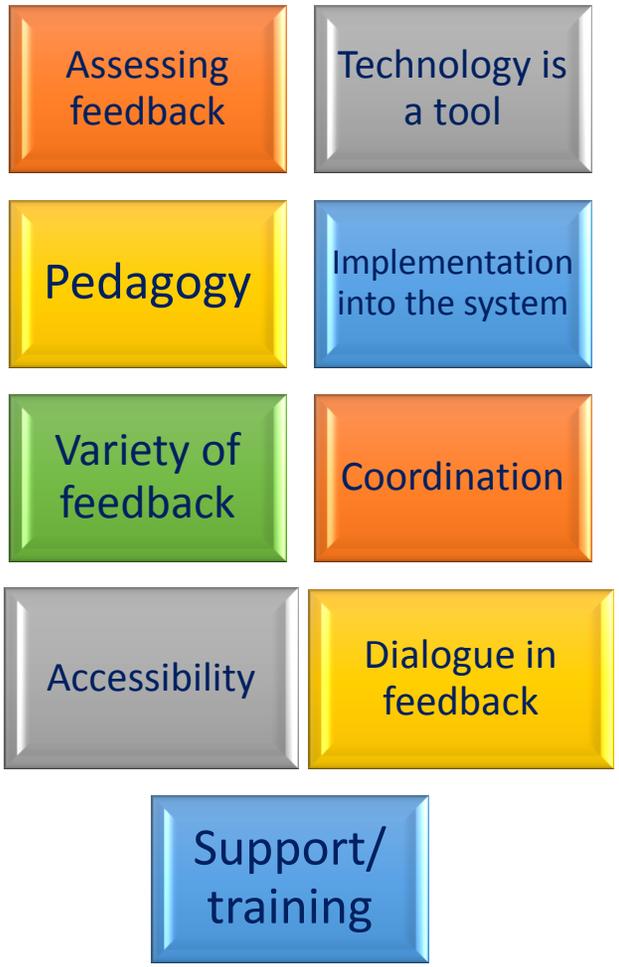
KEY QUESTION 2: How can we use digital technologies to promote assessment for learning in practical settings?

42 Surveys
12 Focus groups
41 academic staff
1,591 students

Videos/Quizzes
DIGITAL FEEDBACK
RUBRICS

ELN's

Future/going forward



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KEY FINDINGS

Students' experience

"Would you like this approach to be established in other modules?"

• Yes = **85%**
(326 students)

"How would you rate the approach?"

• "Excellent" and "Good" = **80%**
(302 students)

"Rubrics are great for students; they let students know what is expected of them, and demystify grades by clearly stating, the expectations for a project" (rubrics)

"I liked the pre practical video because I felt more confident in the lab as I knew what was going on and could learn it at my own pace." (videos)

Impact on students (Lecturers' voice)

Impact on learning (Students' voice)



"...it does provide them with very good training particularly in science and going in to industry where they are probably going to be using a lot of online systems, getting them used to that kind of format, it's definitely very good." (ELN's)

Access to material/
replay
feedback

Managing
process

Fostering
collaboration

Improved
learning

Sharing
practice

Employability
skills

"I listened to it a few times and picked up a few different things each time and then like that, you can pause it, you can write something down, you can, it's just nice to actually hear the feedback." (digital feedback)

"...the easy access and the feedback helped understand any mistakes in the lab write up and where to improve." (ELN's)

"..if there was something they didn't understand in the video or they wanted to know more about, they went and looked it up, and they'd come back to you then. So I think it gives them a bit of ownership and responsibility, and then they feel more confident going into the class..." (video)