

Video Screen Capture Assessment Feedback For Individual Students

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Why?

High frequency of submissions on the Programming unit meant the marking team noticed the need to repeat comments on each new piece of work. Clearly students were either not reviewing, or not engaging, with written feedback.

Video Feedback is regularly used in a behaviour or skills based context for student review, but is still rarely used as feedback in academic subjects. Previous work on audio feedback had already proven popular with students (Atfield-Cutts, 2013).

"More like a conversation between the student and me, which allowed me to both give much more detailed feedback You could also use tone and humour to interact with students, especially where they had put comments in their assignment, it also allows you to soften the blow of a poor assignment"

Melanie Coles
Unit Leader and
Head of Education Computing

Main Advantages

1. **Non Verbal Communication**
Added clarity and context from the non-verbal communication

1. **Personalisation**

Feels more personal with the use of names and conversation style.

1. **Volume of feedback**

In the same a greater volume of feedback can be spoken than written, potentially increasing depth and detail.

The Study

Unit: Computing Undergraduate Year 1 Programming Assessments: lab exercises

300 students, 6 submissions each \cong 1,800 submissions marked by 4 markers

Implementation

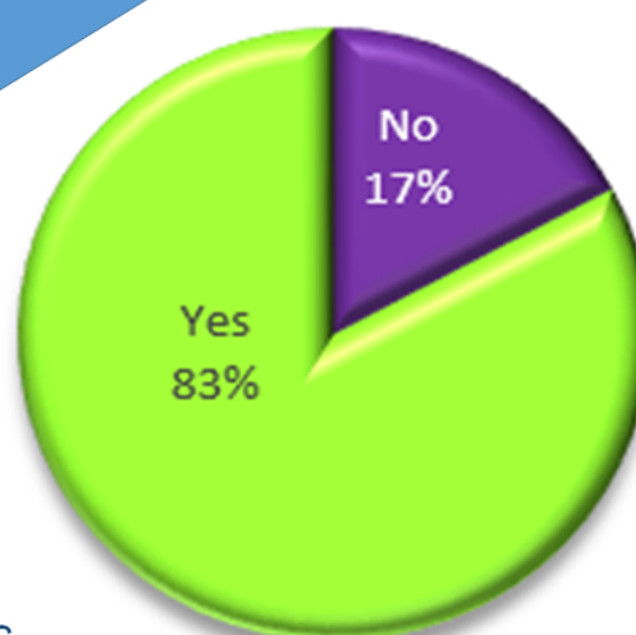
Originally recording was done with software called 'SnagIt' and delivery was via 'YouTube'. Since the introduction of 'Panopto' software, and greater storage resources, we have been able to use one application for recording and delivery.

Year	Work
2013	Audio Feedback trialled – sampled by 1 marker
2013-2014 & 2014-2015	Video Feedback trialled – sampled by 1 marker
2015-2016	Video Feedback – all work marked by 4 markers

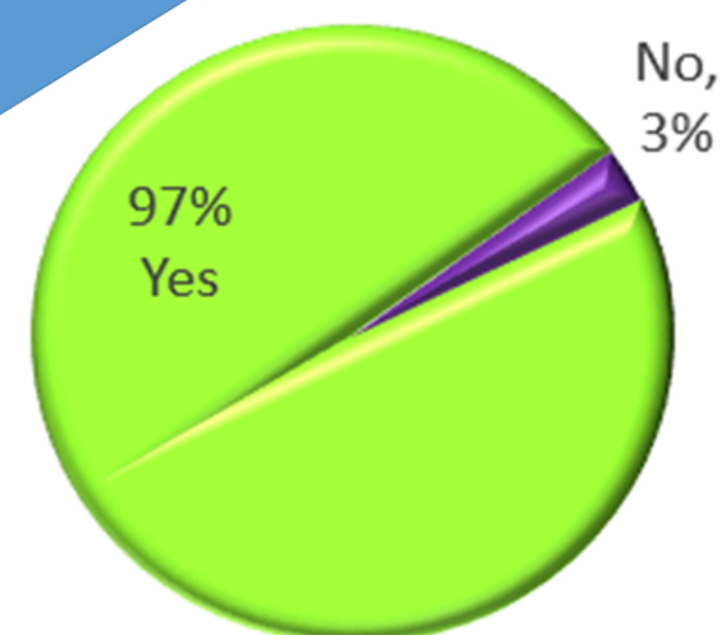
Results

Small scale surveys have been released over time. A larger scale survey of all current students is to be released for March 2016. Results below are from students marked in semester 1 of 2015.

Has receiving feedback by video improved the chances of you applying recommended changes to the next piece of work?



Do you think you would like video screen capture feedback on assignments in future?



References

- Atfield-Cutts, S., Jeary, S. 2013 Blended Feedback: Delivery of Feedback as digital audio on a Computer programming unit. Software Quality Management BCS, London
- Crook, A., Mauchline, A., Maw, S., Lawson, C., Drinkwater, R., Lundqvist, K., Orsmond, P., Gomez, S. and Park, J., 2012. The use of video technology for providing feedback to students: Can it enhance the feedback experience for staff and students? *Computers & Education*, 58 (1), 386-396.
- Henderson, M. and Phillips, M., 2015. Video-based feedback on student assessment: scarily personal. *Australasian Journal of Educational Technology*, 31 (1), 51-66.

