



**Regina Chan** has been teaching in higher education institutions since 1996. She obtained her Bachelor in Teaching English as a Second Language (Hons) from the University of Southampton, United Kingdom and Master in Education Administration from the University of Malaya, Malaysia.

## Introduction

In this era of highly advanced technology, students are expecting enhanced learning and teaching experience using new technologies.

In universities around the world, learning and teaching have also advanced to a new level, moving away from the traditional lecture based teaching format. Currently, in higher education teachers are encouraged to integrate education technologies to enhance student learning experience. Various labels are being used to describe the integrated concept: e-learning, blended learning and flipped classroom, in enhancing student learning experience. Using advanced technology in learning design to improve learning outcomes and to fully equip students in their different areas of study would be effective only if the technology brings added value to learning. Hence, to have a competitive advantage amongst universities in the region, Monash University Malaysia should consider recording lectures (lecture capture) campus-wide for student accessibility, so as to support and further develop the benefits of technology enhanced learning. It is noted that the recording of lectures remains highly controversial but there are as many benefits as there are disadvantages to recording lectures. This article focuses on the merits of using recorded lectures as a supportive mechanism to aid learning. Below are some ways in which recorded lectures can be useful to learners.

## Reasons for Recording Lectures

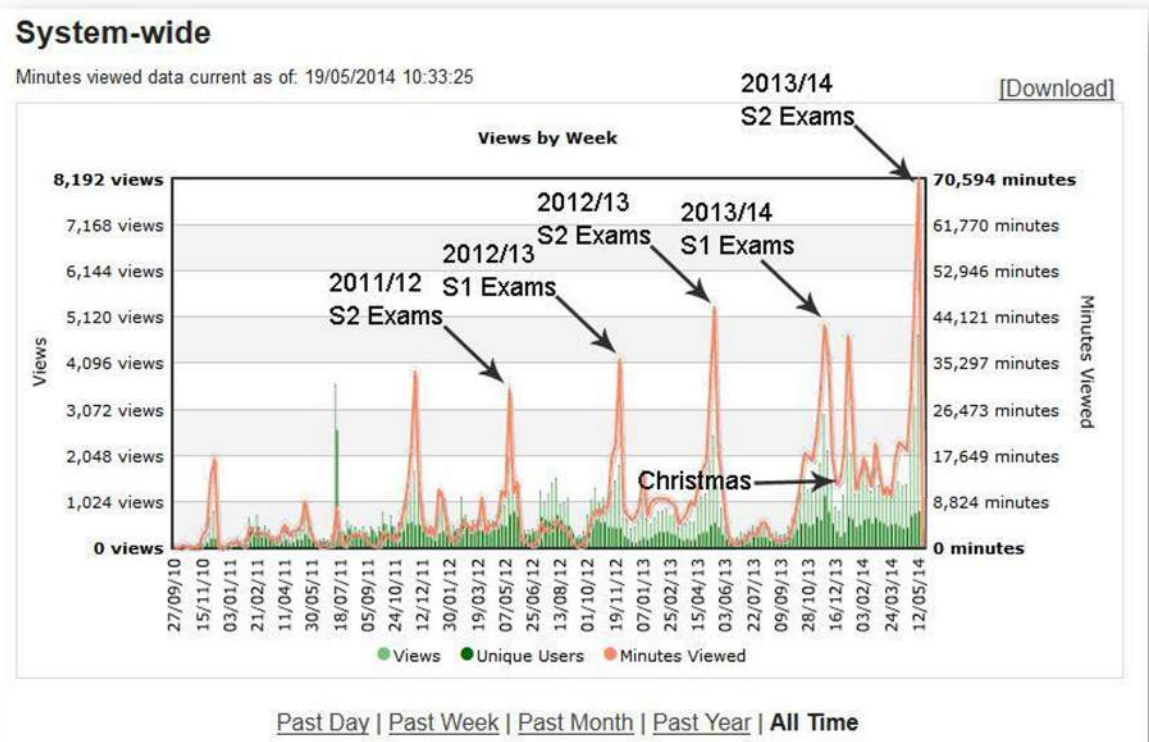
Recorded lectures can have positive effects on learning and learners:

- Students spend less time taking detailed notes and have less anxiety about missing out essential information
- Students may be fully engaged in classroom learning experience
- Knowledge is accessible anytime, anywhere (knowledge-on-the-go)
- Difficult or complex topics/materials can be revisited while studying
- Students can study at their own pace (pause, rewind, fast forward or play again)
- Passive lectures can be converted into interactive learning by directly embedding relevant activities (e.g. quizzes, puzzles, tests or forum) in between sections or at the end of the recorded lecture

- Serves as a source for students to refer, revise and study for examination
- Support students who require more time to listen and review lecture information
- Allow access to students with diverse learning needs

Lecture capture is extremely popular when students prepare for examinations.

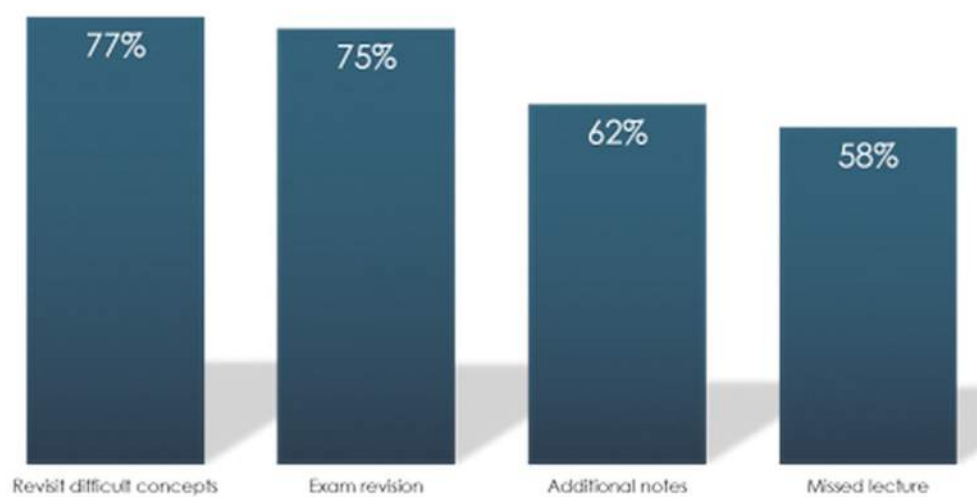
The chart below from the University of Southampton, shows the amount of video its students view on the university's lecture capture video platform. That is a month and a half of 24/7 video in the week before the exam period.



Source: <https://twitter.com/search?q=%23panopto&src=hash>



In 2013, Newcastle University in the UK studied students about their reasons for watching recorded lectures on demand. The results indicate that lecture capture is most frequently used for reviewing difficult topics covered in class and for exam preparation (refer to chart on the right). A similar survey at Aberystwyth University in 2011 yielded similar results.



### Challenges

- Getting permission/support from lecturers to record lectures
- Using limited university budget for software and hardware (technology advancement)
- Receiving skill support from ITS
- Focusing on intellectual property rights, copyright and confidentiality issues

### Strategies

- Initially, start with equipping all lecture theatres and classrooms with recording equipment and centralized controls
- Begin with lecturers who are comfortable with lecture capture, then give a campus-wide implementation date for others who are comfortable with the new idea
- Upload recorded lectures on Moodle, university's YouTube (formal) or lecturers' YouTube channels (personal)
- Record lectures at start of programs, progressing to faculties and finally, to the whole campus

### Concerns

- Sensitive topics presented, lecturers and/or students sharing sensitive issues/opinions
- Questions of intellectual property and privacy & confidentiality
- Student attendance issues
- Attend lectures or listen to recorded lectures

### Software for lecture capture

- Camtasia Relay
- Echo360
- Tegrity
- Panopto
- ReCap
- Presentations 2Go

### Conclusion

There are lecturers who are already recording their lectures at Monash Malaysia but it is done at a minimal level, with/without any formalities or policies. Recording lectures (lecture capture) with its immense potential in benefitting learning and teaching, should be considered to enable learning strategies at Monash Malaysia.

### References

Panopto. (2014). Your students really want you to record your lectures [Blog post]. Retrieved from <http://panopto.com/blog/your-students-really-want-you-to-record-your-lectures/>

iSolutions MLE (@uos\_mle). (2014, May 19). That's a month and a half of 24/7 video in the week before the exam period#panoptopic.twitter.com/vw54gQroKJ [Tweet]. Retrieved from <https://twitter.com/search?q=%23panopto&src=hash>

### Acknowledgement

The Education Innovators Forum is a variation of the World Café and The Art of Conversations that Matter event that was hosted in June 2014 by the Education Management team in the Campus Education Office to encourage inter-school/ department and multidisciplinary conversations about learning and teaching at Monash University Malaysia.

Participants who attended the event agreed to form an Education Innovators team and to host the forum at the invitation of Schools and departments to facilitate ongoing dialogue about learning and teaching concerns, as required. The Education Innovators Forum Resources are developed by the discussion facilitators of various topics that were identified as critical learning and teaching concerns and dilemmas at the Forum. Each resource is designed in the form of an easy to read short information brochure on a specific topic. It can be used to facilitate discussion among colleagues and peers who hold similar interests and for use with student groups, as relevant to the learning and teaching context.

Team members are Esyin Chew (Senior Lecturer, School of Information Technology), Boon How Khoo (Lecturer, School of Engineering), Adrian Yao Yong Tat (Lecturer, School of Arts and Social Sciences), Hassan Yusuf Osman (Senior Librarian, Library and Learning Commons), Charles (Student, School of Business), PurushKaru (Learning Skills Adviser, Education Management), Regina Chan (Learning Skills Adviser, Education Management), Fadhliyah Saipul (Executive Administrator, Education Management), Kok Soon Cheang (Administrative Assistant, Quality Assurance & Compliance) and Fay Patel (Director, Education Management).

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Note: This article presents the authors perspective on the topic and may be used to generate discussions.