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*The quality of health care depends on how well the provider is educated*

## Abstract template for PeArLs and Posters

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- Workshop (45 minutes)
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## Investigating Emerging Technologies in Medical Teaching & Learning

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### Introduction/background

The authors have investigated emerging technologies, specifically e-Portfolio & Pod/Vodcasting in the context of developing an undergraduate medical program delivered between two institutions across multiple sites. These innovative methods of teaching and learning are technologically and pedagogically progressive, based on a student-centred approach and have the potential to enhance student education and adapt to their needs whilst learning in both clinical and non-clinical settings, as well as in rural and urban locations.

### Purpose/objectives:

- The Poster presentation will outline ways in which these emerging technologies can be used to effectively capture and record student learning; track and assess students' professional experience, competencies and development; and enable students to monitor their progress and reflect on their experiences.
- The Poster format will illustrate our investigative process, which was shaped by the unique and complex requirements of our program: from initial identification of the need for these technologies, through to a trial phase, implementation and continuation.
- The authors invite observers to share their experiences with us.

**Key Findings:**

The authors have identified the strengths of these technologies in meeting the learning needs of students in the medical program, and in exploring a range of available products (tools, functionalities and capabilities), have considered the logistics and challenges involved in implementation.

e-Portfolios are an electronic repository; for recording, storing and tracking a student's work, assessment items, supervisor and peer feedback, multi-media files and evidence of clinical experience, skill acquisition and competencies. They have the potential to promote reflective learning and planning, and create a record to support students' professional careers and life long learning.

Different platforms of e-Portfolio allow for varying degrees of a user-friendly interface, portability upon graduation, curriculum mapping capability, reporting and verification features. Important considerations include privacy, confidential content storage, protocols and mentoring, resistance to use by students and/or academic staff, interoperability across systems and universities, equity of access, licencing, hosting, maintenance, support, customisation, adaptability to technological advancement and implementation timeframe.

e-Portfolios have the potential to incorporate pod/vodcasts, which are audio/video recordings available as digital files, and may be used to record evidence of students' clinical experience. Use of pod/vodcasting within e-Portfolios requires consideration of issues including copyright, privacy, quality control, professional development and misuse of electronically available data.

Our investigations have led us to adopt and plan for a program of action research based on a conceptual framework reflective of Buzzetto-More and Alade's (2008) Pentagonal e-Portfolio model.