Project: Lifelong Learning Supported by ePortfolio Processes in Universities

Experiment Study Protocol
Total time – up to 2 hrs

Activity	*Time*
--- Preparation --- *NOTE: Make sure that you have paper, pen, computer with Massey network or Internet access and browser Firefox or Chrome installed, questionnaires, and a watch.* Brief introduction to the research. Ask participant to study information sheet. If participant agrees to take part in the research then: - Sign consent form	10 min
--- Introduction --- Discuss with participant lifelong learning, skills, graduate attributes, ePortfolios, concept maps. During discussion show examples of graduate attributes/learning outcomes/learning objectives: Paper outline for 228.485 Engineering Project Graduate Attributes for Mathematics Major Paper outline for 141.471 Food Process Design and Safety Paper outline for 122.102 Biochemistry of Cells Paper outline for 159.201 Algorithms and Data Structures Describe or show the examples of ePortfolios use (e.g. for job applications as CV, for feedback on experiences or achievements, for assessment at uni, etc). Discuss and show examples of concept maps. The Theory Underlying Concept Maps and How to Construct and Use Them Wikipedia article on Concept maps Classroom Assessment Techniques Concept Mapping	15 min
--- Exercise One --- On Massey Stream, find with participant any paper they are/were studying. Open paper outline and find a section on learning outcomes or objectives. If not studying any paper at the moment, think about you skills as a professional _____ (engineers, designer, lawyer). Ask a participant to create a concept map of the learning outcomes/skills using pen and paper. Ask them to think about what kind of examples they could provide to support their achievement of these outcomes/skills. *NOTE: would be good to capture behaviour or take pictures of working process (with permission).*	30 min

--- Exercise Two --- Provide participants with ePortfolio login and password from the prototype accounts spreadsheet. *NOTE: When providing an account, update spreadsheet that account is used.* Show the ePortfolio system and show how to use: - Concept maps - Fragments - Timeline - Timeframes Show the manual on http://seat-lll.massey.ac.nz/redmine/projects/ep4lll/wiki/Concept_Maps Show the example on Example for 159.201 learning objectives Ask participant to transfer their concept map from Exercise One to the system. They can create dummy examples that support their concepts. Content is not important as soon as they are following the conceptual ideas. Review the results and ask for explanations if necessary.	30-40 min
--- Final notes --- Ask participant to complete all sections of exit questionnaire. If necessary, ask for explanation of observed behaviours. Collect questionnaire and exercise sheets.	5-10 min