**OENG1115 – Tutorial 1 2020, Semester 2**

Instructions

The following activity is aimed at assisting your learning by thinking through a number of scenarios related to Innovation and Technology Management.

In small groups discuss each of the following three scenarios. Dot point out your responses. Be prepared to contribute your group’s thoughts to the wider class cohort.

Tutorial activity one - Workplace culture

Your group forms part of an executive of an engineering firm. Competition means that you need to create a staff culture that is innovative across your products and processes to remain in business.

* Discuss and outline how you might create and maintain an innovative culture in your staff.
* Also discuss and outline elements/behaviours which might stifle an innovative culture.

Tutorial activity two – How innovative?

Your group forms part of an executive of an engineering firm. You have won a tender and have an opportunity to introduce new technologies into a rail bridge project – a multi-billion dollar project.

Some of the executive wish to take a radical innovative approach to leap frog the competition and create something unique which the company can become ‘famous’ for. Others would like to take a more conservative approach to introducing new technologies.

* What should you consider when deciding which approach (radical or conservative) is best to take? Provide some examples.

Tutorial activity three - New ideas / Good ideas?

Your group forms part of an executive of an engineering firm which has been asked to tender a new proposal to implement an autonomous bus route/lane linking Melbourne Airport with the City

* What are some technology concepts you need to consider?
* What are some of the potential risks and rewards of each of your ideas?