**RESEARCH PROPOSAL**

**Student IDs:**

**Student Name(s):**

**Topic:**Software Engineering and Mobile Applications

**Research Proposal Title:** Mobile Application Reengineering

**Describe the issue/problem/opportunity of the proposal?**

Although there is no major issue or problem with the “Learn Maori” app we determined there is an opportunity available with the use of reengineering to reach a wider range of consumers to learn Maori by adding relatable activities or functionalities including developing the application to be made available on both Android and iOS platforms.

**Aim and Objectives (1 aim and multiple objectives)**

Our aim is to enhance an existing mobile application to ensure learning Maori is made easier and effective. Our objectives are as follows:

1. Add new user friendly features to attract audiences of all age groups .
2. Develop an IOS application similar to the Android application ensuring the application is accessible to a wider audience.
3. Conduct appropriate research in order to collect accurate pronunciation information.
4. Research on different features that could be added onto the application.

**Scope of your research:** Avail oneself to master Maori vocabulary.

**What software methodology will be used and why? Resources needed.**

As we will be reengineering the “Learn Maori” app we believe that SDLC is most appropriate as we will be following the steps of Software Development Life Cycle to complete our tasks. The resources needed are the existing app we have developed independently, quality and validation assurance, language app research, discussion with colleagues and tutors.

**What research question(s) are you trying to answer (only 1 question?)**

Can we improve the quality of the Mobile App “Learn Maori” to reach a wider audience by implementing new functionalities and making it available on two different mobile platforms?