

**Computing & Mathematics**

**Final Year Students**

Individual project submission template, please rename the file with

your surname, student ID number and module code before submitting.

Project Title (max 50 characters)

Parallel Machine Learning on an ARM Grid

Student Name – max 35 characters

Erin Clifton

Course Title – max 50 characters

Computer Science BSc

Abstract text – max 600 characters

This project aims to explore the use of low cost, low energy micro processors in machine learning and other parallel tasks, such as K-Means, K-NN Clustering and matrix Multiplication. By utilising several python libraries, parallel tasks can be executed on remote devices to speed up computation. The main appeals of using such boards are their low cost and extremely low power draw.

Technologies used – max 6 technologies

Python, Linux, ARM Processors