National University of Science and Technology

Think in Other Terms

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

Product Location using GPS

STUDENT NAME   :   Zisengwe Kudzai Patson
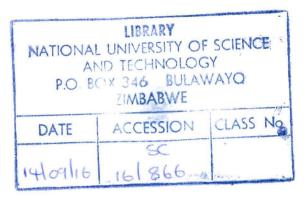
STUDENT ID   :   N0125851T

SUPERVISOR   :   Mr. K. Sibanda

YEAR   :   MAY 2016

This document is submitted in partial fulfilment of the requirements of the BSc (Hons) Computer Science at the National University of Science and Technology

Abstract

Location based services (LBS) have been key in almost every facet of human life courtesy of the ability to locate the actual position of a person and bringing location specific services and information to the users. The project develops a system running on the Android mobile platform which uses the GPS Coordinates of a user's device to link them to the nearest shop that has the product they are looking. It further implements the Apriori Algorithm as a Data Mining Component to recommend to the user items that are most frequently bought with the item sought. The Ratified Unified Processing (RUP) is applied as the software development procedure. Development is done using Java in Android Development Studio, MySQL database, PHP for scripting as well as an implementation of the Google maps API.