UNIVERSITY OF NAIROBI

SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES

PROJECT TITTLE: GENERAL PURPOSE EMBEDDED SYSTEM

UNIT CODE: SPH632

UNIT NAME: ADVANCED LABORATORY TECHNIQUES.

NAME: KITANA MAURICE MUTHUI

REGISTRATION NUMBER: I56/69971/2013

COURSE: MSC IN PHYSICS

SUPEVISOR: MJOMBA A.C KALE

DATE SUMITTED: MAY 2014.

Abstract

In recent times there has been enormous increase in capabilities of embedded systems from the traditional machine control to application in sophisticated systems in communications, environmental surveillance and even in life critical systems such as health monitoring.

With this current trend of upward growth, design and development techniques must keep in pace.

In this project we explore a way of creating an embedded system platform general enough to enable developers to create different applications by providing easily understood and easy to use

Application programming interface methods generally known as APIs. Such an approach of simplifying application development will not only enable seasoned developer s to create faster but also will go a long way to help those at the entry point to learn faster since learning will be from the known to the unknown.