Software Project PROPOSAL

**PROJECT NAME: ROOM ASSISTANT**

STUDENT NAME: NAVJOT SINGH VIRK

Course: BSc Honours in Computing (4th YEAR)

Stream: Software Development

Student Number: x13112406

Date: 13th October 2016

STUDENT NUMBER: X13112406 , email: [virksaabnavjot@gmail.com](mailto:virksaabnavjot@gmail.com) , PHONE: +353892110549

2016

Objectives

The objective of the project is to create an iOS application, capable to assist its users to find rooms. The application will be implemented in SWIFT programming language.

# Background

While I was in SAP, I found out it was always hard and frustrating for people to find meeting rooms and even in college I have seen new students struggling with it, this is where Room Assistant app help them classes and related information. And, moreover teachers in college can use the app to find what equipment is available in different rooms and other details.

# Technical Approach

Room Assistant app, will be developed using apple’s new programming language SWIFT and Xcode IDE and using SAP HANA Spatial database.

I have researched a lot about project and how it can be implemented in a way its easy to use and helpful at the same time.

# Special resources required

As, the project will proceed and if I feel I have achieved the base functionality I have planned for, I would like to implement room booking/availability feature to the app which may require some sensors to achieve that but that’s only in the special case.

# Project Plan

Gantt chart will be added soon, researching on project and trying to setup timelines and tasks.

# Technical Details

SWIFT Programming language, SAP HANA, Core location, Apple Maps

# Evaluation

While, I was at SAP

I learned unit testing, I will implement unit tests in this project as well, which will check the code, I will have to research more on integration tests since, in class we are busy with chess project these days its been hard to take time and work on the main project.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Navjot Singh Virk, 20th Oct 2016