UNIMAS BUS SCHEDULE AND TRACKING INFORMATION SYSTEM
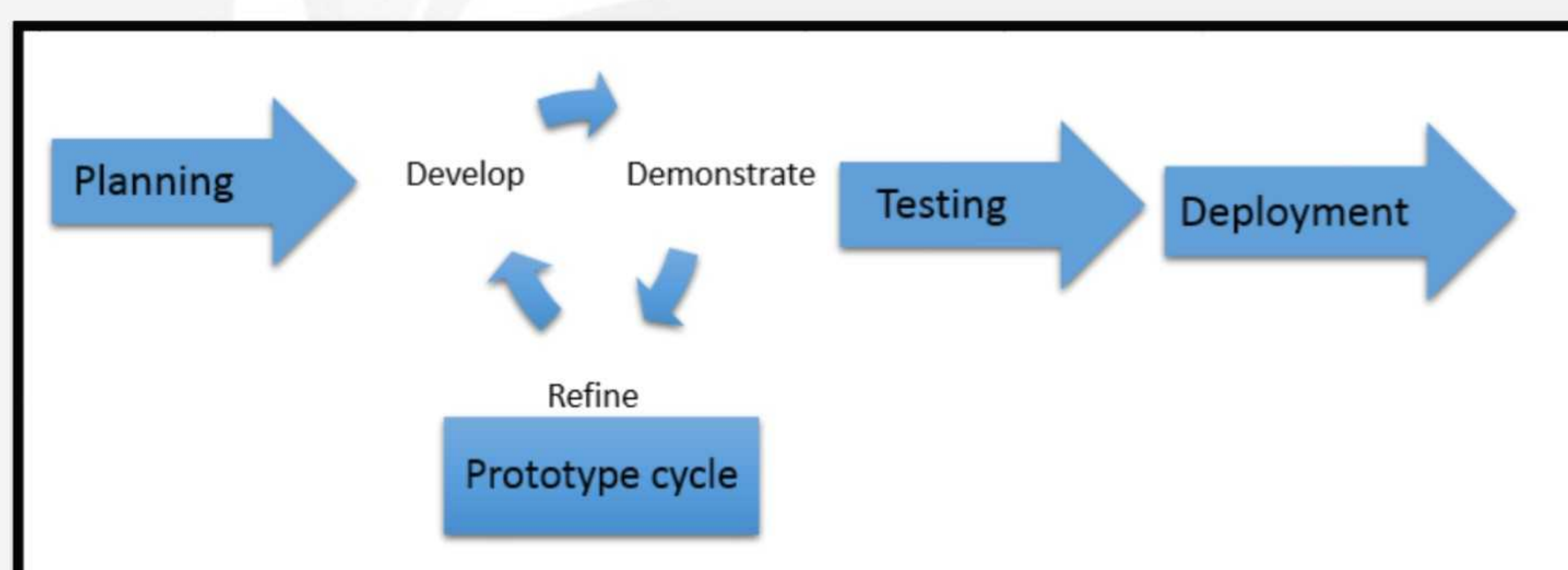
1.0 INTRODUCTION

- Real time tracking is becoming more and more popular as devices utilizing the Global Positioning System (GPS) become more readily available.
- The project consists of central web portal and mobile client application that will track real time location of the bus using GPS.
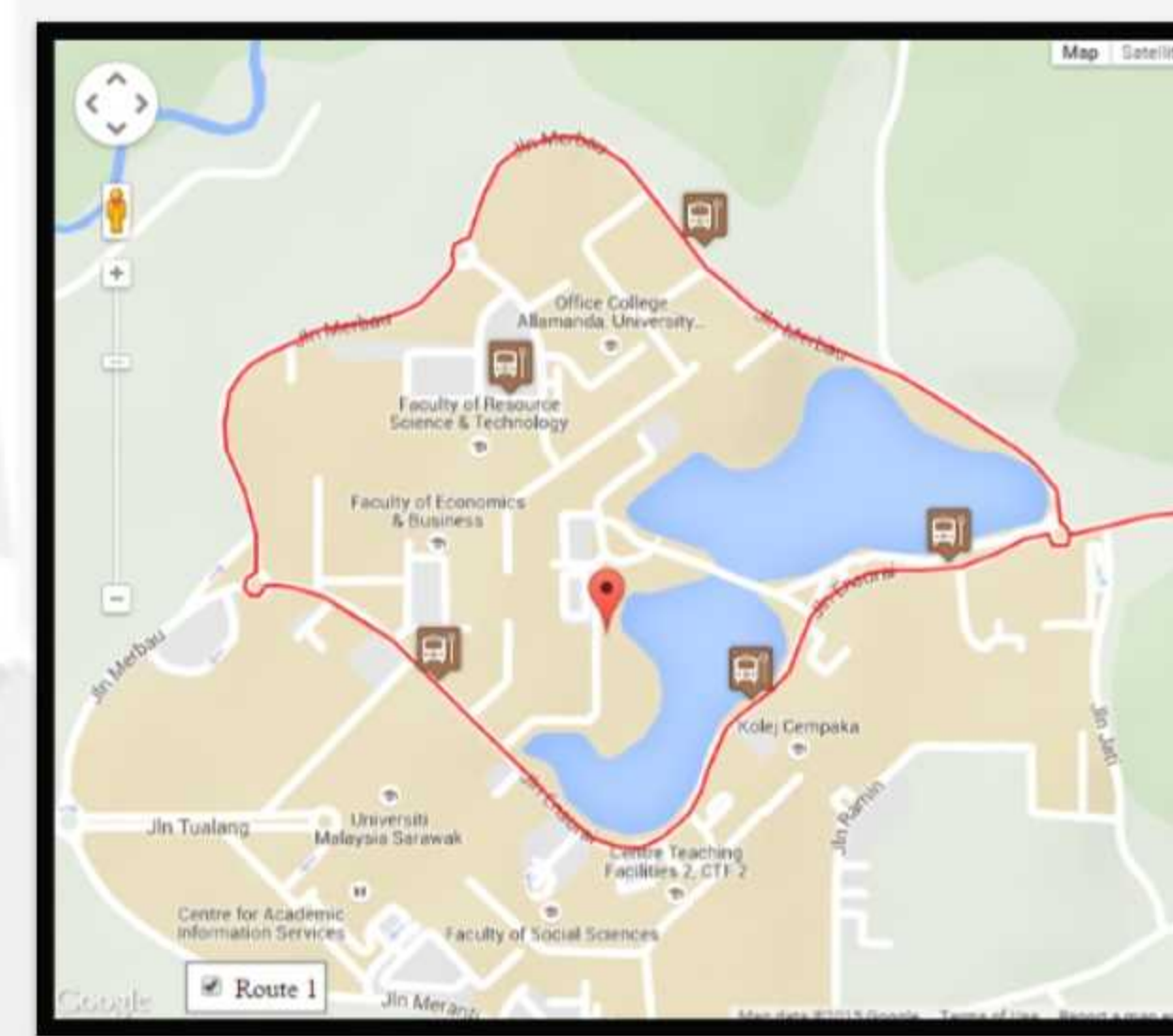
2.0 OBJECTIVES

- To design a web-based system to display Real Time UNIMAS bus tracking via text and maps
- To develop a method of calculating and displaying estimated time of arrival of UNIMAS bus to designated bus stops
- To display routes taken by UNIMAS bus
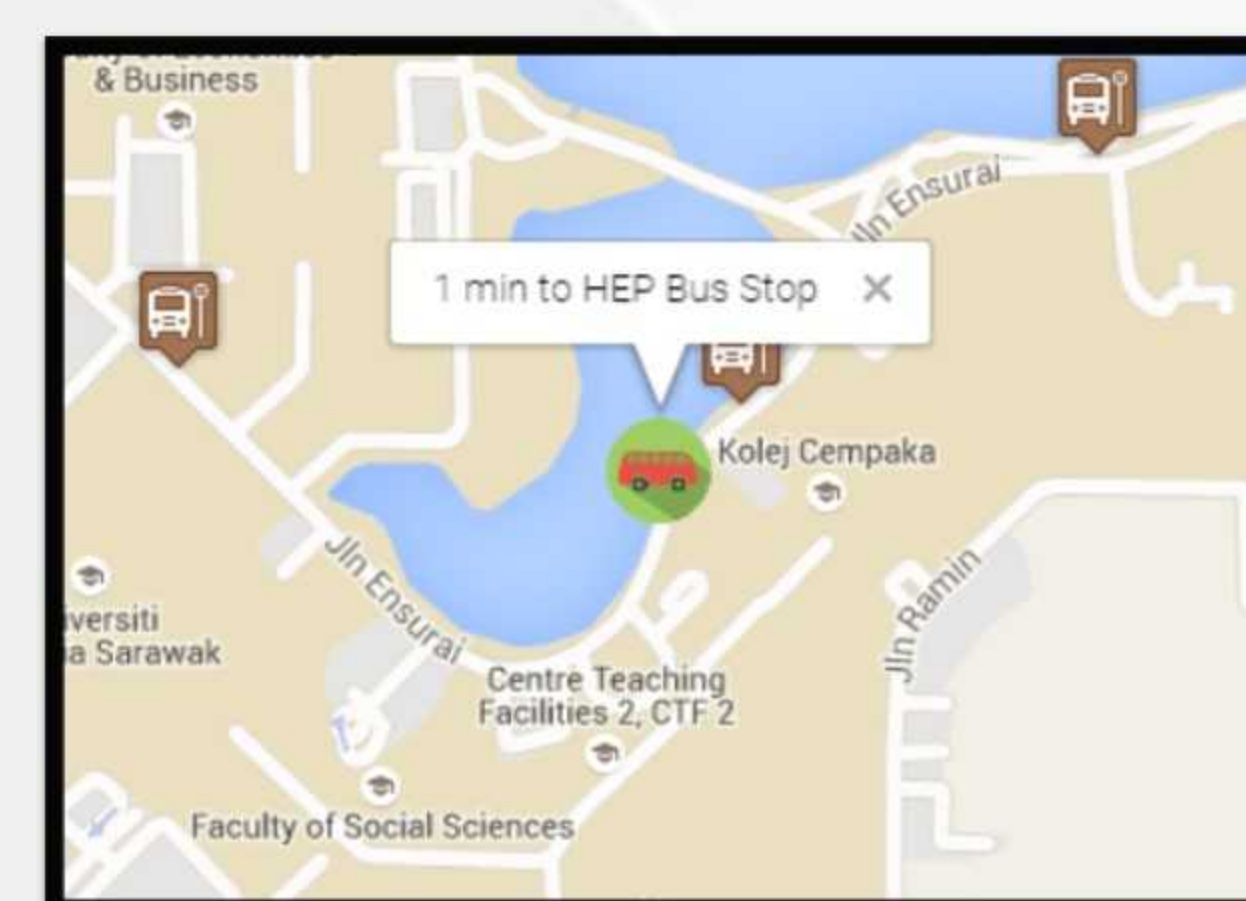
3.0 METHODOLOGY

- Rapid Application Development (RAD)

4.0 PROTOTYPE

Display UNIMAS bus route on Google Maps

Estimation time of arrival

5.0 COMMERCIAL POTENTIAL

- First public university in Malaysia to implement such a system
- Able to develop further to cather to large transit operation in big cities

6.0 SUMMARY

- This project provides an easy way for students to know if the bus is near to their location.
- This will help students to make a more accurate, informed decision of whether or not they should wait at the stop, or seek alternative methods.

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