CHAPTER 1

INTRODUCTION

1.0 Introduction

MobiBike is made for casual cyclist and enthusiast cyclist in Malaysia. It is an application that use smart phone device as a medium of turning on and turning off the signal lamp and view their bike’s speed. Besides, this application also help user to display and monitor their speed so they will not exceed the speed limit that can cause danger to them. Traditionally, the cyclist needs to raise their hand in certain rules according to cyclist language in order to make a turn. By pointing out their hand, this could lead to danger to them and may cause an accident. Moreover, less attention is paid to them as we did not provide a special road space for the cyclist on the road. This application is available for the cyclist only when they are cycling. This will give them a sense of secure.
1.3 Scopes

Scope is the range for the system. Scope that this document highlights is the target user and project boundaries of MobiBike Application.

The scopes are:

i. Target user

   a) Android user
   b) Junior cyclist, senior cyclist, amateur cyclist

ii. Project boundaries are:

   a) Develop a mobile application
   b) Turn on and turn off the signal lamp
   c) View and monitor bicycle's speed
   d) View mileage or distance on how far the user has cycled
1.1 Problem Statement

Problem statements are list why there is the need of developing MobiBike Application for Android. This does also mean that the existing application is less in functionality. Problems that arise in the exist application are:

i. There is no functionality to turn on the signal lamp
ii. Unable to display current bike speed
iii. Not user friendly to certain types of cyclist.

1.2 Objectives

Objective are what will the new system have that will overcome constraints and problems in the exist application. It will be the goal for designing MobiBike Application for Android. The objectives are:

i. To develop a mobile application that creates a turn signal for cyclist.
ii. To present a speedometer for cyclist to see how fast they are moving.
iii. To show mileage on how far the user has cycled.