

Universiti Teknologi MARA

SMARTGPS Android App

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ABSTRACT

Nowadays, smartphones are really a trend because each smartphones have multiple features that useful for different people's needs. One of the useful features is Global Positioning System (GPS). This technology is really helpful especially in finding exact location the one who using the device. Vehicle Unit UiTM Shah Alam is under the governance of the Division of Student Affairs responsible for providing specialized transport facilities to students and staffs. In order for Vehicle Unit's driver to have an efficient work is to follow the order from the manager. But, sometimes the driver can cheat when the manager asking about the driver current location thus decreasing the trust between employee and employer. SmartGPS will be installed in the driver's smartphone while SmartGPSManager will be installed in manager's smartphone.

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CHAPTER 1

INTRODUCTION

1.1 Background Study

Nowadays, smartphones have been a phenomenal since the debut of iPhone in 2007. They have been the most demanded gadget in the market and outsell the PC by a ratio of four to one. Almost half of the adult population owns a smartphone and will increase to 80% by 2020. Today, there are many new companies involved in the smartphone industry such as Xiaomi, a Chinese company that produces high-end smartphones at the lowest price, almost half the iPhone price. So, everyone can afford to have a smartphone, either it's a low-end or high-end.

One of the useful features in a smartphone is the Global Positioning System (GPS). The Global Positioning System (GPS) is a satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense. GPS was originally intended for military applications, but in the 1980s, the government made the system available for civilian use. GPS works in any weather conditions, anywhere in the world, 24 hours a day. There are no subscription fees or setup charges to use GPS (Lee, 2014).

Smartphones are really a trend these days because of their multi-features. Also, with many apps that are easy to download, people are really relying on smartphones to make their lives easier. Almost every day there will be a new app at the Play Store or Apple Store to be downloaded. The benefits of smartphones with many features, as well as the apps that people rely on, have given the opportunity to develop a mobile tracking app.