

UNIVERSITI TEKNOLOGI MARA

GPS APPLICATION IN VEHICLE TRACKING
SYSTEM

KAYA AZURA OTHMAN

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KAMA AZURA OTHMAN

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ABSTRACT

Global Positioning Satellites (GPS) has been creating the trend of designing and developing applications for users around the globe. GPS application in navigation and vehicle tracking becomes an important component to individual or to the public transportation system. The implementation of GPS in transportation system is meant to resolve problem arises among others due to scheduling and the arrival time. This project concentrates in evaluating GPS application in vehicle estimated time of arrival (TOA) for selected experimental routes in UiTM Shah Alam campus. The Vehicle Tracking System is designed and developed using hardware comprises of the 8-bit RabbitCore RCM2000 microcontroller development kit and high-sensitivity iGPS-M receiver and the software is written in Dynamic C programming platform.

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