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ABSTRACT

The Ikot La Salle Tracker is a navigation system which tracks the current location of the Ikot La Salle diesel jeepney wherein a device is attached to the jeepney and sends the data via sms and will be received and displayed through a Plasma screen located at Gate 1. Currently the Ikot La Salle jeepney does not have a system wherein it will display any information regarding the location of the jeepney. The proponents believed that applying advanced technology and modernity to the Ikot jeepney can enhance its capability as a means of transportation and since on other foreign countries same system are applied to their transportation which provided convenience to the passengers.

The system was developed under Arduino 1.0 IDE and Microsoft Visual Studio 2008. The proponents chose C# as programming language in developing the receiver while the device was developed under Arduino which is similar to C and C++. The GUI of the system was simplified since it is more viewable to the passengers, too much accessory was eliminated.

This document contains all the necessary information regarding the development of the system like what are the hardware and software requirements, how the system was developed, techniques used and the flow of the process present on the system.