

## ABSTRACT

At a present, Thailand found problem from taxi car lost and cannot track it that bring the loss to taxi car owner. In order to protect this problem we use GPS Technology for tracking.

The Global Positioning System (GPS) was developed by US Department of Defense ( DOD) limited to military purposes only. The desired outcomes were accurate and precise positioning, velocity, and time determination on a full-time worldwide basis. As capable of GPS diversified application, the specific aims of this paper focused on to implement GPS system in taxi car in Bangkok.

To analyze the possibility of project can occur since there are some points that need to be considered such as GPS implementation cost, the pay back period after launch the project. Besides, the paper present another selection for tracking technology is call Network-based technology, application and benefit from the system. Also the comparison of these two technologies in order to see the advantage and disadvantage of them.