

ADVANCED SOFTWARE ENGINEERING(CS5551)

Project Proposal Document

Project Title: LOCUS

Proposed by: Team Summit

Group number: 7

Group members:

- Venkatesh Pallay
- Sowmith Reddy Pentaparthi
- Abhilash Reddy Gaddam
- Rohithkumar Nagulapati

Project Goal and Objectives:

- **Motivation:**

How important is your vehicle to you? Do you treat it as your family member, if so what if your friend requests for car to go for a ride with his girlfriend? Don't worry if you have "Locus" app with you anymore; you can track your vehicle anytime, anywhere wherever you are. Also, when you are travelling, the app reminds your favorite locations near to you.

- **Significance/Uniqueness:**

Our investigation for applications which provides location based services like reminders for favorite spots near current location, tracking vehicle, didn't fetch great results. This made us thinking about creating an application with advanced technologies that brings in real time and accurate information available to users all the time.

- **Objectives:**

The objective of our web/ mobile application is to track their loved vehicle anytime, anywhere if shared to anyone till it reaches to him. Also, notifying his/her favorite spots available near to his current location when in travel. Our best efforts appear in presenting the most accurate and real-time data available to users all the time.

- **System Features:**

- Users can track where the vehicle is moving
- Users can estimate the arrival time of their vehicle
- Users can find the distance travelled by the vehicle.
- Users can register their vehicle in system.
- Users can receive notifications about his favorite spots near his current location.

Related Work:

- **“Rover”**, is one such application helpful in sending reminders about locations when some events or interesting things happen at their desired locations.
- **“Vehicle Tracking System (VTS)”**, is an application which provides different services like vehicle’s fuel level checks, repair/maintenance service to its users.

Our app in contrast to both helps in tracking the vehicle and sending reminders to users about their preferred spaces near to his/her current location with accurate and real-time data.

Backup Project:

- **“TYV (Track your wallet)”**, this application tracks the Expense of the user on daily basis, will generate report monthly by displaying monthly expenses in various graphs.

Bibliography:

<https://play.google.com/store/apps/details?id=com.novumlogic.vtspranidhi>

<https://play.google.com/store/apps/details?id=com.spontaniti.locationtasker>

<http://nevonprojects.com/project-ideas/software-project-ideas/>