

Tongji-KNU Global Capstone Design Project (Proposal 1)

Project Title:

IoT-based Intelligent Driving Behavior Analysis

Project Period:

2016.3.1. ~ 2016.6.30. (4 months)

Project Advisor:

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Background:

- ✧ Driving Info can be collected from OBD protocol, we will build a mobile software to collect and upload the driving info to the server and analysis the driving behavior of the user.
- ✧ This project will focus on data collection and storage. A simple analysis for driving behavior will be done in this project.



Project Objectives:

- ✧ Collect Car real-time information via OBD protocol via App on mobile and upload to server side.
- ✧ Development of server which will collect and store all the information collected by App.
- ✧ Statistic and analysis user behavior with driving data from the server and show useful info to the user via App.

Project Schedule:

Each work will be done with on-line cooperation between KNU and Tongji students.

- ✧ 2016. 3. 15: Team Configuration (KNU 3~4 students, Tongji 3~4 students)
- ✧ 2016. 3. 30: Submission of detailed work plan from students (by KNU and Tongji)
- ✧ 2016. 4. 30: 1st report on project progress (in each school) and coordination
- ✧ 2016. 5. 30: 2nd report on project progress (in each school) and coordination
- ✧ 2016. 6. 30: final report on project progress (in each school) and coordination
- ✧ 2016. 7. : Presentation of Project Outcome in KNU-Tongji Workshop

Requirements (pre-requisites) for Students:

- ✧ Describe the requirements or pre-requisites for students to perform this project
- ✧ For example, C/C++ programming skills, iOS/Android development, Open Source SW, etc
- ✧ Any other special requirements, if any.