



The_Gruners Progress Report

Project Information			
Project Title	CSIR Mobile Augmented Reality Number Plate Recognition		
Project Owner	CSIR Representatives		
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Section One: Summary

Applications for the Augmented Reality technology need to be extended into military and police disciplines. The Augmented Reality Number Plate Recognition application can be a vital tool to help mobile units get further information (whether a vehicle is a stolen one, prior incidents etc.) of a particular vehicle using a smartphone.

In a nutshell, the Mobile Augmented Reality Number Plate Recognition system is a smartphone-anchored application that will be used to perform real-time capturing and extraction of vital information, about vehicles from a live video source. The system will then further transfer the extracted information to other application modules through web services. The envisioned application is being designed and developed as a native Android based application.

Section Two: Activities and Progress

Over the past few weeks since the project commenced, the following has been successfully done:

- We have had a meeting with our client to gather all the information we need to establish all requirements for the project.
- We have created a stable project timeline and we have all important milestones to this date successfully met.
- We have a complete requirements document specifying all the technicalities of the envisioned system. However, we have been requested to refurbish the document such that it will not consist of assumptions of requirements but client-initiated requirements.
- We are currently in the process of setting up all the layers of the system into a JAVA project so that we may start working on the critical use cases.

Section Three: Outcomes and Lessons Learned

- Over the past few weeks, while working on requirements, we have picked up the fact that we have a set of requirements that are not consistent amongst all different stakeholder groups involved. Most of the requirements are based on our assumptions, and the client has a different specification of the requirements. Also, among ourselves (the team), each of us has their own specification of certain events across different levels of granularity. So this major conflict has taught us that we must stick to what the client requires of the system and only make amendments to the requirements after suggesting to the client and having agreed about the particular amendments with the client, rather than making assumptions of what we feel is rightful for the system.
- We have also realized that for the past weeks we have been lagging in terms of the amount of work we are getting done, hence we implemented a project timeline to help us meet deadlines for each of our milestones.

Section Four: Evaluation

- We have managed to complete all our architectural requirements.
- Development environments are all setup and ready for development.
- We were, however, off course with the requirements documentation due to the above mentioned assumptions about requirement specifics.

Section Five: Risks, Issues and Challenges

The only challenge we have at the moment is that of time. Since we have been lagging a bit, we have to pick up our speed and catch up with all the work we've missed so far.

Section Six: Collaboration and Support

We need to meet up again with our client and all meetings are scheduled according to the project timeline to ensure that we meet more often with the client to address practical issues along the way.

Section Eleven: Next Steps

Below is a list of steps that we need to carry out as per project timeline:

- Communicate with client to address requirements more clearly.
- Make amendments to requirements documentation as per client communication results.
- Create a template of all the layers of the system, including the Android interface design.
- Design and develop all database needs.
- Carry out all critical and important use cases completely.

Appendix 1

We will post snapshots of our system as soon as development starts and include this with our next progress report.