

Project Progress Report

Project Name	<i>Garbage Truck Tracker</i>
Index No	<i>130597L</i>
Report No	<i>1</i>
Reporting period	<i>15-03-2016 to 03-04-2016</i>
Section 1: Activities and Progress	
<p>Successfully prepared the feasibility study report and project schedule.</p> <p>Had a brief discussion with an officer at Town Council – Matugama prior to the user requirement gathering process. Then confirmed the scope of the system.</p> <p><u>Developed a prototype</u></p> <p>At the feasibility study step, discovered two different technologies to implement the system.</p> <p>Meteor: - A complete platform for building web and mobile apps in pure JavaScript</p> <p>IONIC: - Can build interactive mobile apps using HTML5 and AngularJS.</p> <p>Meteor implementation is more efficient compared to IONIC, but it is a new born framework. So, developed a prototype from Meteor to confirm that the required scope can be delivered.</p> <p>Critical functions implemented in the prototype: -</p> <ul style="list-style-type: none">• <i>User sign up, login, logout with the server</i>• <i>Real time location tracking of online users</i>• <i>Push notification service</i> <p><u>Research on suitable architecture</u></p> <p>Currently, doing a thorough research on following architectures before the design process.</p> <ul style="list-style-type: none">• <i>Enterprise service bus (ESB)</i>• <i>API driven architecture</i>	
Section 2: Risks, Issues and Challenges	
<p><i>Challenge: -</i></p> <p><i>Must acquire a real-time GPS location tracking device. This is essential for implementation and testing processes. Has to order immediately from eBay because it will take about one month for the shipping process. (implementation phase will begin exactly after a month from now)</i></p>	
Section 3: Next Steps	

Next step is to gather user requirements using following elicitation technologies.

- *One-on-one interviews*
- *Group interviews – Town council, Municipal council, Urban council*
- *Questionnaires – townspeople*
- *Following people around – Garbage Trucks*
- *Brainstorming*

Then, prepare the System Requirements Specification (SRS) after validating and prioritizing the requirements.