

EE/CprE/SE 491 WEEKLY REPORT 1

9/2/2019 – 9/13/2019

Group Number: 17

Project Title: Development of an App for Android Smart Phone for Pavement Roughness Estimation

Client/Advisor: Halil Ceylan

Team Members:

Tanner Dempsay

Joe Van Treeck

Christian Royston

Justin Kuennen

Greg Starr

Kyle Eckrich

Weekly Summary

- Initial meeting with client/faculty member
 - Our team met with Bo Yang to go over the context of the project. Went over the functional requirements for the Android application and other important aspect of the project.
 - Discussed the possible need for a back-end server for IRI calculations.
 - Examined current equipment used for IRI calculations within Bo's research group.
 - Introduced road roughness measurement concepts and currents tools for taking these measurements.
- Created lightning talk for project
 - Team members researched standards applicable to our project and should be followed throughout the design and execution.
 - Presented functional, environmental, and economic related requirements of our project.
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Past Week Accomplishments

- Completed lightning talk presentation
- Established project requirements

Individual Contributions

<u>Team Member</u>	<u>Contributions</u>	<u>Hours This Week</u>	<u>Cumulative Hours</u>
Tanner Dempsay	Coordinated plan for future meeting dates, agendas for client meeting and team meeting.	5	5
Christian Royston	Lightning talk presentation	4	4
Joe Van Treeck	Coordinated initial meeting with client.	5	5
Justian Kuennen	Lightning talk presentation	4	4
Kyle Eckrich	Lightning talk presentation	4	4

Greg Starr	Lightning talk presentation. Researched IRI.	4	4
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Plans for the Upcoming Week

- Assign specific responsibilities to team members.
- Establish GitLab protocols for project work.
- Begin research for requirements for each role.