

# EE/CprE/SE 491 WEEKLY REPORT 6

11/20/2019 – 11/30/2019

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 – Communications Manager

Joe Van Treeck – Data Manager

Christian Royston – Git Master

Justin Kuennen – Web Master

Greg Starr – Logistics Manager

Kyle Eckrich – Report Manager

## Weekly Summary

- GPS Route Mapping
  - We are working on updating the demo app to plot the complete path of the user's route. Currently, it only draws a line between the start and end. We want to see every datapoint that we take during the route.
- News Report
  - Recorded the news report allowing for the TAs and teachers to understand the project and the progress that the team has made. Submitted the video on Canvas.
- Design Document Revisions
  - Met with a TA to discuss the aspects of the design document that were lacking. The team worked together to improve upon the design document in the areas that were identified as poor.
- Team Website
  - Team members wrote individual biographies about themselves. These biographies will be submitted to the team website for people not in the team to get a better understanding of each of the members of the team.

## Past Week Accomplishments

- Design Presentation Work
- Design Document Revisions
- Team Website Bio Updates

## Individual Contributions

<u>Team Member</u>	<u>Contributions</u>	<u>Hours This Week</u>	<u>Cumulative Hours</u>
Tanner Dempsay	Worked on design sections of document. Outlined plan for design presentation.	17	70
Christian Royston	Working on user interface for Android application and news report.	8	34

Joe Van Treeck	Implementing IRI calculation in Java. Researching Fourier transforms for acceleration data.	12	60
Justin Kuennen	Helped with news report script and design document revisions.	9	33
Kyle Eckrich	Updated design document with more background on IRI	7	28
Greg Starr	Finished route plotting on Google Map	8	38

### Plans for the Upcoming Week

- Design Review Presentation
  - Finishing draft and begin practicing presentation.
- Final Design Document
  - Make further improvements on the design document.