

Team: 34

Project Title: RV Power Monitoring System

Date: 10/1/21

Members:

Individual 1: Peter Rothstein

Individual 2: Nickolas Moser

Individual 3: Utsavee Desai

Individual 4: Matthew McCarthy

Individual 5: Kent Mark

Individual 6: Michael Woo

Individual 7: Doug Bullock

Individual 8: Jace Kunkel

What we have accomplished/researched this past week:

Individual 1: Worked on and recorded the requirements, constraints, and engineering standards assignment with teammates. Researched how dynamic components work with web sockets, alternatives to raspberry pi's, and how/if raspberry pi's can remotely write queries to databases.

Individual 2: Worked on requirements, constraints, and engineering standards assignment, and contributed to lightning talk regarding the assignment. Researched low power MCUs

Individual 3: Worked on the requirements, constraints and engineering standards assignment with the team.

Individual 4: Worked on the requirement, constraints and engineering standards assignment with teammates

Individual 5: Worked on the requirements, constraints and engineering standards assignment with the team

Individual 6: Worked on the requirements, constraints and engineering standards assignment with the team. Researched power sensors.

Individual 7: Worked on requirements, constraints, and engineering standards assignment, and contributed to lightning talk with brief description of project.

Individual 8: Worked on the requirements, constraints, and engineering standards assignment. Also helped to do the lightning talk assignment.

What were planning to do in the coming week:

Individual 1: Finishing the project plan assignment with teammates. Ask questions to our advisor regarding datalogging and data storage for raspberry pi's/alternative micro-computers.

Individual 2: Complete the project plan assignment. Discuss possible microcontroller solutions with advisor/client.

Individual 3: Finishing up the upcoming assignment and discussing with the group about the scope of a power monitoring system. Brainstorm different ways in which we can do the measurements as well as store them with the team.

Individual 4: Ask questions to our advisor about specifications within the power monitoring system. Complete the project plan assignment.

Individual 5: Help complete the project plan assignment and brainstorm ways of storing measurement data

Individual 6: Research the tradeoffs of building our own sensors versus purchasing them

Individual 7: Finish future assignments and possibly start talking about/developing ideas for how we will layout everything with circuits, sensors, microcontrollers, etc.

Individual 8: Work on future assignments and start looking into how we can perform wireless power monitoring.

Issues we had in the previous week:

Individual 1: Communication with advisor.

Individual 2: Same as above, communication with advisor/client

Individual 3: Communication with advisor/client as well.

Individual 4: Communication with advisor.

Individual 5: Communication with advisor/client

Individual 6: Communication with advisor

Individual 7: Communication with advisor

Individual 8: Communication with advisor