Team: 34

Project Title: RV Power Monitoring System

Date: 10/7/21

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: Met with our advisor, discussing more specifications for the project. Completed project plan. Researched power usage for raspberry pi zero for both data transfer and server usage.

Individual 2: Met with advisor to discuss and refine expectations and specifications for project. Completed project plan assignment and lightning talk. Researched adafruit feather boards with different communication protocols and power needs

Individual 3: Met with the advisor to talk about detailed content of the project. Talked about different ways in which we can possibly get readings to measure current. Worked on the project plan and recorded the lightning talk.

Individual 4: Met with advisor and went over specifics on the project. Worked with group to complete the project plan and lightning talk.

Individual 5: Met with Advisor to discuss various project details. Completed project plan.

Individual 6: Met with advisor to discuss goals for the project. Completed the project plan and the lightning talk.

Individual 7: Met with advisor to ask specific questions about project for clarification, completed project plan, and helped with lightning talk.

Individual 8: Met with advisor to further discuss options for the design. Worked on the project plan and the lightning talk.

What were planning to do in the coming week:
Individual 1: Complete the design assignment as a team. Research more into raspberry pi zero and make comparisons with other microcontrollers.

Individual 2: Complete design assignment with team. Bring MCU research to team to accelerate decision making and design.

Individual 3: Complete the design assignment with the team. Read more about shunt resistors and research if there is another way to measure current. Also work on ways in which AC and DC power can be monitored.

Individual 4: Complete the design assignment with teammates. Research on potential microcontrollers.

Individual 5: Work on design assignment with team. Look into Raspberry Pi Zero and other microcontrollers.

Individual 6: Investigate circuits for monitoring AC and DC power.

Individual 7: Complete the design assignment and do anymore research on related circuitry and/or MCU for our systems.

Individual 8: Complete the design assignment and research circuits for power monitoring.

Issues we had in the previous week:
Individual 1: None personally.

Individual 2: None.

Individual 3:None

Individual 4: None

Individual 5: None

Individual 6: None

Individual 7: None

Individual 8: None