EE 491 Week 3 Report - sddec18-03

Design of a More Reliable Power Grid for Puerto Rico

2/5/18 - 2/12/18
Faculty Advisor: Vikram Dalal

Team Members

Logan Lillis - *Communications and Reports Lead*
Ricardo Rodriguez-Menas - *Project Plan Lead*
Heiqal Zamri - *Test Engineer Lead*

Weekly Summary

We had our weekly meeting Monday, February 5th. During the meeting, we as a team discussed our plan and schedule as well as the steps necessary to complete our project goal. We also met with Professor Dalal on Thursday the 8th. At this meeting, we determined our project timeline and the emphasis of our project. We also worked hard to gather more information and compile our current approach into the first version of our project plan.

Past Week Accomplishments

- ❖ Ricardo was elected as webmaster
- ❖ Determined the project approach
  - ➢ Create a proposal of redesign for the grid of the entire country including an economic section of the proposal. Can suggest new renewable resources, ports, payment scheme, microgrids, etc.

Pending Issues

- ❖ Lack of information on current grid layout. Will continue to research.
- ❖ Lack of information on types of online grid simulation software.
  - ➢ Will not be necessary until fall semester, but will begin to research.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Logan Lillis	Background research on PREPA, project plan, weekly report	4	8
Ricardo Rodriguez-Menas	Website, Team Scheduling, Project Plan	4	8
Heiqal Zamri	Research on Power Grids, Solar Panels, Microgrids, Project Plan	5	9

Plan for Upcoming Week

- ❖ Upload Documents to Website: Ricardo
  - ➢ Weekly Reports 3 and 4
  - ➢ Team Pictures/Bios
  - ➢ Project Description
- ❖ Complete Project Plan (Version 1 by Sunday 2.11)
  - ➢ Introduction/Conclusion/Title Page/Table of Contents: Logan
  - ➢ Proposed Approach and Statement of Work
  - ➢ Project Timeline, Estimated Resources, Challenges: Ricardo
- ❖ Meet With Dalal Thursday at 8:30
  - ➢ Questions for him:
    - ■ Project Focus
    - ■ Project Timeline
    - ■ Intended Goals