Inter-American University of Puerto Rico
Bayamon Campus
HASP 2016
March Monthly Status Report

During the month of March the Evaluation of Atmospheric Particle Collection Performance of Three Sampling Substrates at Different Layers of the Atmosphere (EAPCPTSSDLA) team didn't make much progress. For the reason we didn't make progress is because this month was really hard for us students for the reason that it was midterm and most of the professors gave us exams and work to do. We will have a meeting soon and we will discuss what we have and our next plans for the next month.

Team Activities

1. The Structure Team (ST) has finally finished the design of the prototype and the correct servos motors were finally selected.
2. The Programing Team (PT) is still working with the Arduino mega. The PT is the team which will take time to finish there program. The reason for this is that the PT is taking a class call "Mecatronics" which is teaching them all the commands of an Arduino. We expect for the end of this next two month to at least have part of the program.
3. The Power Team (PWT) will work with the circuit that was finally design with the right components. Then the PWT will check the circuit in the program of Multisims to check if there is a problem with the circuit. When the circuit is finished, they will wait for the components to mount the circuit and test it.

Milestone

Our biggest milestone this month was successfully finishing the design of the prototype and we were able to order the components to start the assembly.

Objective for next month

For our next month we expect to get at least some of the materials we ordered to start the assembly, have a solid design of the circuit simulated on Multisims and at least see halve of the program from the PT.

Current Team Members

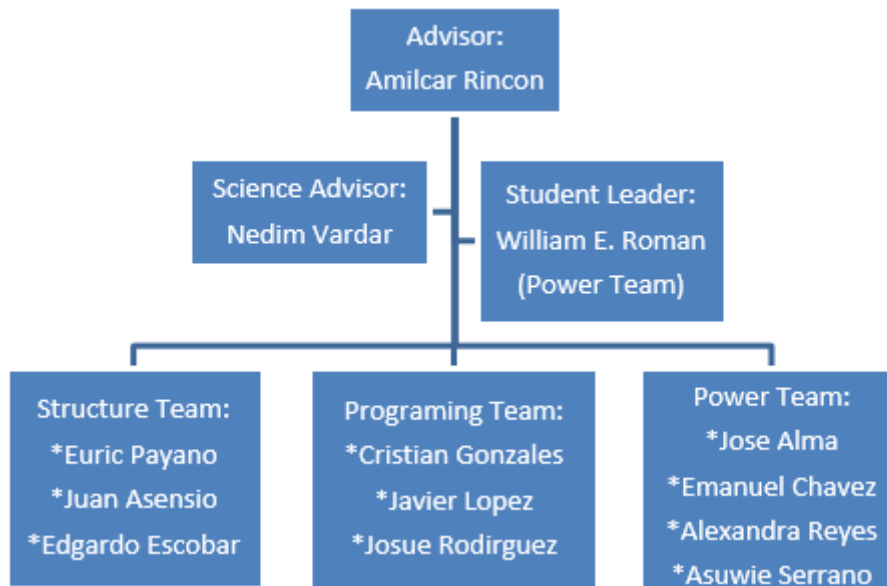This is the team structure and for now we believe that there wouldn't be any changes in the rest of the project. Every changes will be notify at every report.

Figure 1. The EAPCPTSSDLA team structure