



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

During the month of April the Evaluation of Atmospheric Particle Collection Performance of Three Sampling Substrates at Different Layers of the Atmosphere (EAPCPTSSDLA) team made as requested the Preliminary Payload Specification and Integration Plan (PSIP). The team made a big comeback on trying to pick up where we left in March. All meeting where successful this month and work on some ideas. Some pieces for the payload arrived from shipping and we will start working with the real payload.

Team Activities

1. The Structure Team (ST) due to one of the meeting the ST change part of the design and they are still making changes. Now part of the structure of the HASP has arrived and as soon as possible they will start working with the real payload. Is not guaranteed that they will finish by the end of these month because this semester is coming to an end.
2. The Programing Team (PT) this month received the all the commands for the Arduino in the class of “Mechatronics” and they made a program with the servo that opens with a delay on it. All they need is to change the delays with the signals of the Altimeter.
3. The Power Team (PWT) is currently waiting for the components that were order. All they need is the components to connect to the circuit that are making and then check if the voltage and current are between the specifications of the HASP payload which is 0.5 Amps @ 30 VDC.

Milestone

Our biggest milestone this month was being able to clarify some doubt that had some of the teams and all of them are up to date. Also some of the parts for the HASP has arrived and we will start working on the assembly of the real payload.

Objective for next month

For our next month we expect to have at least half of the payload and to expect the components for the payload and the circuit to arrive the next month.

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.

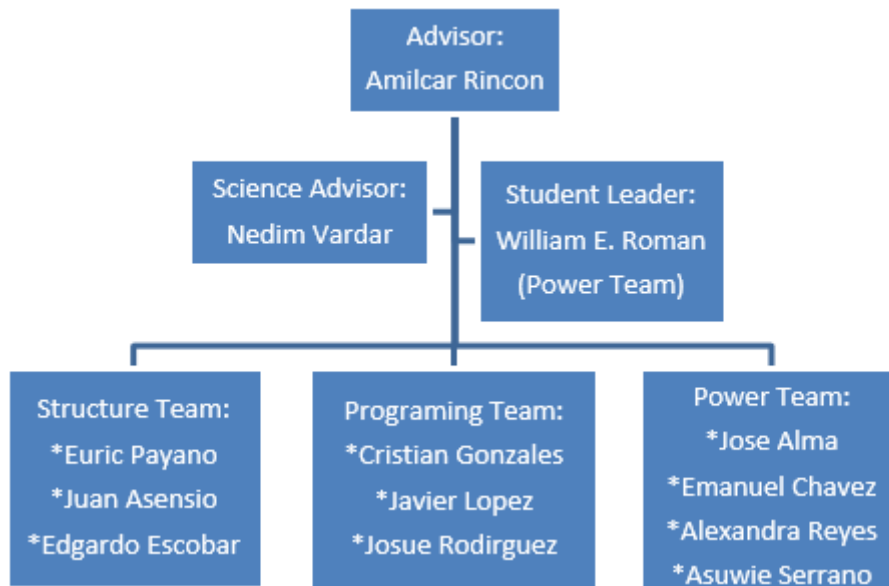


Figure 1. The EAPCPTSSDLA team structure