University of Bridgeport
HASP Status Report
March 25, 2016

Submitted: Bashar Alhafni: Team Leader

Team Activities:

Response to Original Reviewer's Comments:
The team resubmitted its application on March 4, 2016 as well as a document to specifically address the reviewer's specific questions and comments.

Response to Second Set of Reviewer's Comments:
The team received a second set of questions on Wednesday, March 16th. The university was on semester break and while the team corresponded with one another, it was not really feasible to coordinate a meeting. Additionally university resources (such as computer labs were closed). The team met Monday morning, Match 21st to begin addressing the remaining questions and have worked on the drawings and other areas all week. Revised drawings, revised weight and power tables and answers to the other questions will be submitted prior to next week's conference call, on April 1st.

HASP Group Meetings: Bashar Alhafni, Dr. Neal Lewis and Discovery Museum advisor Larry Reed participated on the March conference call meeting on March 4, 2016.

Preliminary Payload Specification and Integration Plan (PSIP):
All team members have been given the PSIP and while the current focus is now on addressing the second set of questions from the reviewers, team members have begun to fill in the PSIP.

Travel (Integration and Flight Operations):
Josh Hauge and Dr. Neal Lewis have been awarded Connecticut Space Grant travel grants to participate in HASP flight operations in New Mexico. Phil Carroll and Dr. Jani Pallis have been awarded Connecticut Space Grant travel grants to participate in HASP integration in Texas.

Test Launch:
We are discussing a possible test flight with our partner, the Discovery Museum and Planetarium. The emphasis would be thermal control.

Issues:
None.

Milestones Achieved:

Acquisitions:

We had listed that additional supplies would be acquired in March, 2016. In addition to the existing stock of components for HASP the majority of the anticipated parts (additional servo motors, potentiometers) have been ordered. One particular servo motor is backordered until the end of April, so we may need to select a different one.

Current Team Leaders/Members, Demographics:

Student Project Manager: Bashar Alhafni (Undergraduate Student – Computer Science)
Leader Flight Computer, Data: Paul Alfaro (Undergraduate Student – Computer Science)
Arduino Gesture Programming: Rishi Warokar (Graduate Student – Computer Science)
Structure Lead Arjun Kumar (Graduate Student – Mechanical Engineering)
Thermal Control: Maheshwari Kumar Rakkappan - (Graduate Student – Mechanical Engineering)
Robot Gesture Range of Motion and Fabrication: Phillip Carroll (Undergraduate Student – Industrial Design); Team Member: Josh Hauge
Housing: Josh Hauge
Power and Communications: Xuan (Sam) Zhang (Graduate Student – Computer Science/Electrical Engineering)
Lead Faculty Advisor: Dr. Jani Macari Pallis (Mechanical and Aerospace Engineering)
Faculty Advisor Dr. Neal Lewis (Technology Management - Project Management)
Faculty Advisor Dr. Sarosh Patel (Computer Science and Engineering)
Education Partner: David Mestre (Discovery Museum and Planetarium: Director of Space Sciences, responsible for Challenger Center Mission Control)
Education Partner: Lawrence Reed: (Discovery Museum and Planetarium: Electrical Engineering, Communications)