

CECS Senior Design Project Summary for Publicity, Marketing & Display

Showcase (circle or highlight): Fall 2016 OR Spring 2016

Each Senior Design team is required to submit this completed form to their instructor who will forward to:

Kimberly Lewis, Director of Marketing AND Emilie Menendez, Event Logistics
UCF College of Engineering & Computer Science
Harris Engineering Center, Room 115B
Kimberly.Lewis2@ucf.edu and Emilie.Menendez@ucf.edu

The information will be used in promotional materials, media outreach and event setup for the college's Senior Design Showcase. Some projects may have potential for coverage in the news media (UCF media as well as external media). Your team may be contacted by the Dean's office to learn more about your project, get photos, etc. Please inform Kimberly Lewis if you are contacted by media about your project.

PROJECT NAME (Spell out acronyms or define them in the summary below):

H.A.P.P.I. Systems
Home Audio Programmable Pathway Illumination Systems

SUMMARY: In simple, non-scientific terms, describe the problem that your project aims to solve, and then describe your project, answering all that apply: What does the project do? Who needs it/who would use it? How does it work? Why is it different/ better than what's available or has been done before? What are possible applications? Are there other "selling" points? (Ex: it provides a low-cost way to do something; it makes something easier to do; it makes something last longer; it's never been done before, it conserves energy/water/reduces pollution, etc.)

H.A.P.P.I Systems is a home welcoming system that includes lawn spikes as well as a central hub. This device will greet any person who is walking to the front door of a residence with music as well as a light show. As a person walks toward the front door of a home and is within a certain distance of the solar powered lawn spikes, a motion sensor, will be triggered and sends an alert to the central hub, notifying it to search for a human. Once the central hub detects human presence then it will send a message back to the lawn spikes to play music and start the light show to guide the person to the door of the residence. The H.A.P.P.I. Systems is the perfect product for those who are looking for a bit more curb appeal to their front yard. Our system is light weight and perfect for any front yard where it will not take away from the landscaping. Although this system is designed, as a home welcoming system it not limited to the front door, this system can be placed throughout the backyard for outside entertainment. As of now, there are no other products on the market that have the ability to do what our H.A.P.P.I. Systems can do. The Cassia Hub is the only product that comes close to what the H.A.P.P.I. Systems can do. The Cassia Hub is not meant for outdoor entertainment nor is it weatherproof. Our future plans for the H.A.P.P.I. Systems is to eventually have the option for it to dual as an outdoor security system, equipped with facial recognition software.

BRIEFLY DESCRIBE YOUR SHOWCASE DISPLAY: (What will it be, will it be interactive/visual for visitors, size dimensions, weight, etc.)

Our display will be interactive as well as visual. We will need a space of 4ft x 7ft due to our multi-part product.



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& COMPUTER SCIENCE

DISPLAY & POWER REQUIREMENTS:

1 outlet will be needed

1 Table

INDOOR or **OUTDOOR DISPLAY** (Please Circle)

LIST ALL TEAM MEMBERS, MAJOR & CONTACT INFO (indicate team leader or primary contact)

Name:	Major:	Contact:
1. Johnnie Greene	Physics & Photonics Science and Engineering	407-766-6230 (1 st Contact) johnnieagreene@knights.ucf.edu
2. Taylor Griffith	Computer Engineering	321-960-9059 (2 nd Contact)
3. Phillip Bent	Computer Engineering	
4. Sidney Jean-Baptiste	Electrical Engineering	

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