

# EE/CprE/SE/CYBE 492 BIWEEKLY REPORT 03

10/12/2022 - 10/25/2022

Group: 07

Project: Wireless Energy Harvesting

Client: Dr. Jiming Song

Team: Benjamin Brown, Christopher Marting, Greg Schmitt, Jacob Walczak, Sam Runkel, Tanner Garity

Biweekly Summary: Finished construction of yagi 3.0 and still had a few problems with the design so we made and constructed yagi 4.0 and 5.0 which we believe will be the final antenna design.

## Bi-Weekly Accomplishments:

**Benjamin Brown** - Team meeting for yagi uda construction

**Christopher Marting** - Had a team meeting with Dr. Song to talk to him about our progress, current ideas, and plans for what we plan to do next. Also got together to create a couple new iterations of our antenna as we are still trying to get the housing just right.

**Sam Runkel** - Had an advisor meeting with Dr. Song to discuss our current progress. I worked on creating two new housing designs for us that would improve upon problems with the previous designs such as improper hole size, and bent boom. We also constructed Yagi 5.0 which should work very well for testing.

**Jacob Walczak** - Had a team meeting with Dr. Song to discuss the progress of the project. Also met with the team to create a new iteration of the antenna.

**Tanner Garity**- Team meeting for yagi uda construction

**Greg Schmitt** - Met with team and Dr. Song to discuss current progress of antenna construction as well as plan for the final presentation. Met with the team to construct the 5th version of the Yagi-Uda antenna. With construction done we can begin testing in the next few days.

## Plans for upcoming week:

- Begin Yagi Uda Testing
- Construct and test helical antenna
- Meet with Dr. Song to discuss our findings

## Individual contributions:

Name	Individual Contributions	Hours this week	Hours cumulative
Benjamin	<ul style="list-style-type: none"> <li>• Team meeting and antenna construction - 1 hr</li> </ul>	1	35.5
Jacob Walczak	<ul style="list-style-type: none"> <li>• Team meeting and antenna construction - 1 hr</li> </ul>	1	34.5
Greg Schmitt	<ul style="list-style-type: none"> <li>• Team meeting and antenna construction - 2 hrs</li> </ul>	2	34.5
Christopher Marting	<ul style="list-style-type: none"> <li>• Team meetings and antenna constructions - 2 hrs</li> </ul>	2	50
Sam Runkel	<ul style="list-style-type: none"> <li>• Team meetings and antenna constructions - 2 hrs</li> <li>• 3D modeling and printing or yagi 4.0 and 5.0 - 3 hrs</li> </ul>	5	54.5
Tanner Garity	<ul style="list-style-type: none"> <li>• Team meeting and antenna construction - 1 hr</li> </ul>	1	45