

EE/CprE/SE 492 GROUP PROGRESS REPORT

Group number: Group 25

Project title: SMART Garden System

Client:

Advisor: Diane Rover

Team Members: Sarah Schoenke, Jake Thoma, Bryanna Adamson, Julia Condon, Nick Vaughan, Jasen Hesel, Devon Sindt

- **Project Summary:** (Short summary about the project. What are the design goals? Have the direction or scope of the project changed? This should be about a paragraph in length.)

Our Goal is to build a Smart Garden System. In this system we will have the ability to monitor and adjust the heat levels, water system, and growth. There will be a camera stationed at each plant which will display on a website. The website itself is where the consumer will be able to monitor and adjust everything. There will also be a grade for the growth and levels you set for that plant vs what is actually occurring in the system itself. This allows the consumer to see if the grade is worse that means they know to be able to look at the system and see what might need to be adjusted.

- **Accomplishments:**
 - We have purchased all of our parts currently needed from ETG and the majority of what we ordered has been shipped and delivered. We are keeping in contact with ETG to make sure we are up to date on part arrivals. (Completed by: Bryanna Adamson - During week 1 - 3)
 - We are all helping pick up the parts as they ship in whoever is available to go grab them from lowes or etg does so as they can. So far we have gotten the wood, bucket, vinyl sheeting, some miscellaneous tools, and the raspberry pi (Completed by all : During weeks 2 & 3)
 - The skeleton for webpage & navigation bar for the frontend web application is about 90% complete with main functionality and merged to our GitLab, a few things such as color will be changed as we go along. (Completed by Sarah Schoenke: during week 2 & 3)
 - We are in the process of getting certified to use woodworking tools to begin construction of our green house. (Complete by Devon, Jasen : During week 3)
 - We have started working on coding the backend of the project as much as we can without all the parts delivered (Complete by Nick : During weeks 1-3)

- **Pending issues** *(If applicable: Were there any unexpected complications? Please elaborate.)*

The ordering process has been slow for us but we are finally making some decent progress in that area. As of writing this report, about 90% of our parts and materials have been ordered or delivered. The other main issue with our group is an attendance issue. Even as I am writing this report, only two of our seven group members had mentioned a reason to miss this meeting and there are only 3 people here. This has been a consistent issue with our group and will hopefully improve as the semester progresses.

- **Advisor Input/Signature:**

Please select one of the options below and sign.

I am pleased with the progress the team is making.

The team's progress could use some minor improvements which I will discuss with them.

The team's progress has some major concerns that I will discuss directly with Dr. Bigelow

bigelow@iastate.edu , 515-294-4177

Signature: Diane T. Rover

- **Client Input/Signature:**

Please select one of the options below and sign.

I am pleased with the progress the team is making.

The team's progress could use some minor improvements which I will discuss with them.

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