YIELD PREDICTION APPLICATION

Re-introductions & project blurb:

Yield prediction is one the important agricultural problem because it enables farmers and growers to see what their yields will be across their farm before harvest material even touches the field. Therefore, its main purpose is to calculate the predicted yield.

UN Goals related to this project are:

- Goal # 1: No poverty - End poverty in all its form everywhere.

- Goal # 4: Quality Education - Ensure quality education for all farmers/growers and promote lifelong learning.

- Goal # 13: Climate Action - Farmers get affected in production of yield which in turn affect their profit due to weather condition.

Scrum dates:

Dates: May 26,2021 to June 2,2021

Status description:

Currently the progress of the project is as per the time and the status is in Green. This project is built in the MATLAB programming language for the prediction of flower yield. The project was not supporting the graphical user interface, but MATLAB app designer makes the task simpler. Through MATLAB App designer, welcome, login and the predication pages are created, and it allows to simply layout the design of graphical manner by using visual components. User can easily access the predication system by entering login id and password.

Project issues:

As per current scenario of project, there is no such significant issues. However, minor issues are still there such as follows:

- Compiling of the designer pages is done manually.
- Login and password are static.
- No User registration page.

Project changes:

The project might change little bit because the user registration page will be created which allows the user to register to the yield prediction application.

Next step:

The next step of my project will be to create the registration page for the users. In the registration page, I will specify some list of fields that a user will input data into and submit to gain the access to my application. I will also make changes to the coding so that compiling of the designer pages is not done manually, it will automatically lead to different window page.

Reflection:

As far I am building my application and progress is going in right direction that is status of project is green, I feel more comfortable now. When I start creating this project, I was not sure, I can build this project in graphical user interface because mainly the MATLAB programming language is intended for numeric computing, matrix manipulation, plotting function, etc. During my research on different websites, I found out there is MATLAB app designer which helps me in creating graphical interface of my project.