

YIELD PREDICTION APPLICATION

Activity #4

Re-introductions & project blurb:

Yield prediction is extremely challenging due to its dependence on multiple factors such as crop environmental factors, management practices and their interaction. This project will help the farmers to know the yield of their crop before cultivating onto the agricultural field and thus help them to make the appropriate decisions.

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: June 2,2021 to June 9, 2021

Status description:

Currently the progress of the project is as per the time and the status is still in Green. As this project is built in the MATLAB programming language for the prediction of flower yield, with the help of MATLAB app designer, the different app pages are created. The layout design of app designer helps the user to interact and gain the access to the application. Previously only those users who knows the login id and password were having the access to the system but now any new user can register themselves and take the advantage of this application. Registration page provides greater protection and record the details of user into the database. Therefore, in addition to the login page, home page and prediction page, registration page is also created which will allow users to register.

Project issues:

As per current progress of project, there is no such significant issues. Although there are some minor issues which will be rectified in upcoming week:

- No Application introduction page.
- Database is limited.
- Designing of pages needs some touch up.

Project changes:

The project will change in respect with some design aspects to look more attractive and there will be introduction or about page which will give brief description about this application.

Next step:

The next step of my project will be to create the about/introduction page for the users to provide the general idea of this project. The final touch up to the designing of different pages of application will also be done.

Reflection:

So far, I have created the application and status is still in green, I am close to the end and about to conclude my project, I can sense the feeling of accomplishment because my project is going in right direction and I feel good about it. I have planned to complete the project on time however I have learnt the new environment during this course that is MATLAB app designer which helps in building apps and web apps in MATLAB to layout the design of graphical user interface.