TEAM NO. **61** , TEAM NAME : **BETA SQUAD**

Technology stack used :

Flask Library (Python), HTML, CSS

Inputs to be taken from user :

Temperature
Ph levels
Humidity
Rainfall
Nitrogen
Phosphorus
Potassium

Contribution of each member in designing UI :

Atharva Sardal :Frontend (HTML and CSS)
Ashish Patil :Backend
Khalid Sayyed :Deployment
Sayali Kawatkar :Frontend (HTML and CSS)

Real world application of your work :

Youth of India who want to get into crop cultivation can use our website to get recommendations of which crop is suitable for their given inputs, with the knowledge of crops for their region, temperature, humidity and soil they can grow crops and gain profit. Farmers who need crop recommendation for growing new crops and also gain fertilizer information through their provided inputs.

Explanation about model deployment :

Integration of the model was done using the flask library.
The model was used by loading it via the pickle library,
Taking user data from the 7 data entry fields on the html page and this was stored in an indexed array.
This data is then passed in the entered order over to the model imported,
The output which was then assigned to a variable is then routed to the html file.
A url is generated after running the root file with the flask library and the data is transferred via the flask server.
The Website template or the .html file is stored in the Template folder for flask to load it after running the root file.