

## Project Design Phase-I

### Solution Architecture

|               |                                              |
|---------------|----------------------------------------------|
| Date          | 04 September 2022                            |
| Team ID       | PNT2022TMID17341                             |
| Project Name  | Estimate The Crop Yield Using Data Analytics |
| Maximum Marks | 4 Marks                                      |

#### Solution Architecture:

- This system is developed to help the farmers of Gujarat region to improving their farm productivity.
- The agro user can get information which can be location based, check information about crop diseases, information about crop nutrient, information about crop storage, information about crop market price and get recommendations regarding crop production.
- It is used for the compare the models for the same datasets and find the best fitting model. The model with smallest AIC value is preferred.
- The farmers/users will be able to get current weather information of their locations through the system.
- Apart from that get past weather data to figure out patterns and weather conditions.
- Basically, the whole proposed system is divided in four modules. These modules and their functioning along with standards and specifications.

## Example - Solution Architecture Diagram:

