AI ASSISTED FARMING SOLUTION

- ELECTRIC GUEST

PURPOSE

- To build an application that can be used by farmers throughout India to get accurate information on which crops to be planted
- By using various IBM services, we can help farmers get the best yield and revenue from their hard-work and land
- Modernize Farming and bring it to Industry 4.0 standards

SOLUTION

- The idea can be split into 3 parts:
  - Auto AI Model to give crop recommendation to farmers and give information on revenue
  - IOT Device and Platform to give Real-Time Predictive Analysis
  - Django Web Application as a portal for farmers to access these Services.

NOVELTY

- Community Based Dashboard Solution
- User Oriented Platform

PROBLEMS SOLVED DURING CHALLENGE

- Cloud Foundry for lite users
- Cloud Foundry for IOT Platform
- Watson Studio 20CUH Limit

RESULTS ACHIEVED

- Auto AI Model Built with Accuracy of 99.1%
- IOT Platform Built for Crop Sense Device
- Django Application Launched. Crop Speak (mybluemix.net)

FUTURE SCOPE

- Automated Manure/Fertilizer Dispenser using Sprinklers as Hardware when the soil nutrient levels are low.

- Pest/Disease Detection using Cameras and Surveillance systems for crops so that farmers can be alerted on the presence of rodents/pests on their farms.

THANK YOU