DSAD

As given the approach is to build a Software-Web App that can take the input from farmers and in return tell them the precise land parcel specific fertilizer and also give a input usage plan to minimize the cost and maximize the returns to the farmers. The system should be capable enough to analyze the right parameters and use them precisely to reduce the cost of production. The system should be able to preciously identify the right parameters to analyze and then give the needed output of the analyses to the farmer with the precise land parcel specific fertilizer and an input usage plan to maximize return and reduce cost of production.

Ministry/ Organization name: Govt. of Bihar (DOA)
Problem Statement : Developing a system or solution to provide a customized and precise land parcel specific fertilizer and input usage plan to reduce cost and maximize returns for the farmers.
Team Name : Technohackers
Team Leader Name : Arjav Jain
        College Code : A-054

Firstly the Software-Web App will ask the farmers register or directly enter the details required. If the farmer registers then the system will automatically ask to enter all the details of the land. After entering of data the system will find the information with the help of analyses of previous data and tell the best fertilizer for the usage from data analyses from agricultural systems. Also the system will generate an input usage plan to input the fertilizer when the time is right to reduce the cost and maximize the outcome of the farmers. If the farmer is not registered then the plan can be printed and if the farmer is registered then registered farmers will also get updates according to weather.

Web-based application:-
1-Visual studios dot net(Python, C# ,ASP.net language main)
2-MS SQL server
Computer-based Software application
1-Visual studios dot net(C# language main)
2-MS SQL server

Idea / Approach details

FARMER PANEL(Registration, Login, Data Entry)
CALCULATION/ANALYSES PANEL(For Data analyses)
UPDATION PANEL(Updation of previously entered data)
ADMIN PANEL(For Monitoring of data and Management)
DATA VIEWING PANEL(To View and Control the Data)

Dependencies
1- System analyses and data availability from agricultural research centers.
Show Stopper
1-Bugs and Security
2- Workload Distribution and Inconsistency in data