DATA ANALYTICS ON ESTIMATE THE CROP YIELD

Project Design Phase-I

Proposed Solution

S.NO	PARAMETER	DESCRIPTION
1	**Problem Statement (problem to be solved)**	A farmer should predict climatic conditions, decide what to grow & when to grow, should know the overall crop yield turnover and must be able to be sure of the crop yield inspite of the environmental and other parameters
2	**Idea/solution description**	Data analytics are the better choices for this purpose. Different Data techniques are used and evaluated in agriculture for estimating the future year's crop production.
3	**Novelty/Uniqueness**	Improve operational efficiency and increase productivity and profitability. Draw analytical insights on expenses, inventory and crop growth
4	**Social Impact/Customer Satisfaction**	It has to be available to all the farmers who need help that can be solved from this application and it has to be simple and understandable by the enduser.
5	**Business Model (Revenue Model)**	This agriculture software for field and crop monitoring are dedicated to provide professional growers, food producers and agro consultants with precise field data using data analytics.
6	**Scalability of the solution**	There is no issue with regards to storage of datasets and collection of data. Hence, the solution can be easily scaled to handle data needs, traffic and increased number of users