

PROPOSED SOLUTION

PROJECT NAME: Estimate the Crop Yield Using Data Analytics

TEAM ID: PNT2022TMID03323

NITHYA.S

POORVAJA.A

SANGAMITRA.S. D

SHRINIKKESH.S.M

ACTIVITY:

In this activity you are expected to prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.

PROPOSED SOLUTION:

S.NO	PARAMETER	DESCRIPTION
1.	Problem statement	The main reason for the farmers who are majorly failing in their agriculture is that the lack of knowledge and information they possess. This problem could be helped by providing them with adequate analysed information from the data collected from various resources.
2.	Idea / solution description	For solving the stated problem, we are using Data analytics is to predict the crop yield which can be extremely useful to farmer in planning for harvest and sale of grain harvest.
3.	Novelty / uniqueness	This data analytics not only allows you to analyse the data provided to get a predicted output, but also it allows you to explore using the user interactive dashboard.
4.	Social impact / customer satisfaction	This has a good impact on farmers in making their decisions which has its trace on the profits that the farmers are making through the data analytics. It helps them gain their revenue against the obstacles they face.
5.	Business model (Revenue model)	It helps farmer monitor health of crops in real-time, create predictive analytics related to future yield thus help in increase production, and it increase cost of model.
6.	Scalability of the Solution	In different type of soil, climate change it estimate the accurate crop yield