

Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID41233
Project Name	Estimation of crop yield using data analytics
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A farmer should be able to predict climatic conditions, decide what to grow and when to grow, should know the overall crop yield .
2.	Idea / Solution description	Analyse the important aspects using the previous years data , creating the dashboard and through the datasets to obtain the most insights of crop production.
3.	Novelty / Uniqueness	It can be a unique and one-stop solution for a better understanding and to get a clear insight about the previous years' data on crop yield.
4.	Social Impact / Customer Satisfaction	It is available to everyone who needs help and assistance. This is a simple approach and easy to understand.
5.	Business Model (Revenue Model)	A profit can be made by promoting the solution as an easily available mobile application for everyone to access it and benefit out of it.
6.	Scalability of the Solution	There is no issue with regards to storage of datasets. Therefore the solutions can be easily scaled to handle data needs, traffic and increased number of users.