

Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID31632
Project Name	Estimate the crop yield using data analytics
Maximum Marks	2 Marks

Proposed Solution Template:

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	This research focuses on estimating crop yields in India based on factors including location, season, and state.
2.	Idea / Solution description	The following are the main research findings: <ul style="list-style-type: none">• Cognos analytics is used to visualize data in a variety of ways• Season with typical output• Top 10 states with the highest area used in production and by year• State that produces crops• State that produces crops throughout a season.
3.	Novelty / Uniqueness	Our concept is special in that we can quickly determine the crop yield depending on local conditions and seasonal variations. Farmers can comprehend crop sowing with ease.
4.	Social Impact / Customer Satisfaction	The worst effects of the current data visualization system, which did not have any further effects and caused a lot of losses, are perceived by the general population.
5.	Business Model (Revenue Model)	This project mainly helps for two business operations: <ul style="list-style-type: none">• It facilitates farmers' understanding so that the group can profit by receiving more comments and input.• Because bar and pie charts are simple to grasp, we can promote online more quickly.
6.	Scalability of the Solution	By season, region, and annual production, we can make an estimation of the crop yield. Therefore, growers may select the ideal crop with ease.