Project Design Phase-I
Proposed Solution Template

Date	10-10-2022
Team ID	PNT2022TMID38647
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 project deals with the estimation of the crop yield in India based on the area, season, state, etc..
2.	Idea / Solution description	The key research observations as follows: ✓ The data's can be visualized using Cognos analytics in various methods. ✓ Season with average production ✓ With year usage of area and production ✓ Top 10 states with most area ✓ State with crop production ✓ State with crop production along with season.
3.	Novelty / Uniqueness	The uniqueness present in our project is we can easily identify the crop yield based on the seasonal changes and based on the area. Farmers can easily understand the crop sowing.
4.	Social Impact / Customer Satisfaction	From the public perception as worst impacts of present data visualization system which does not gave any additional impacts and they have faced many losses.
5.	Business Model (Revenue Model)	This project mainly helps for business two operations: ✓ It helps farmers to understand easily so that, the organization will earn profit by getting more responses and feedback. ✓ We can digitally market because the bar, pie charts are easy to understand it reduces time for organization.
6.	Scalability of the Solution	We can estimate the crop yield by season, area, and yearly production. So, the farmers can easily predict the suitable crop.