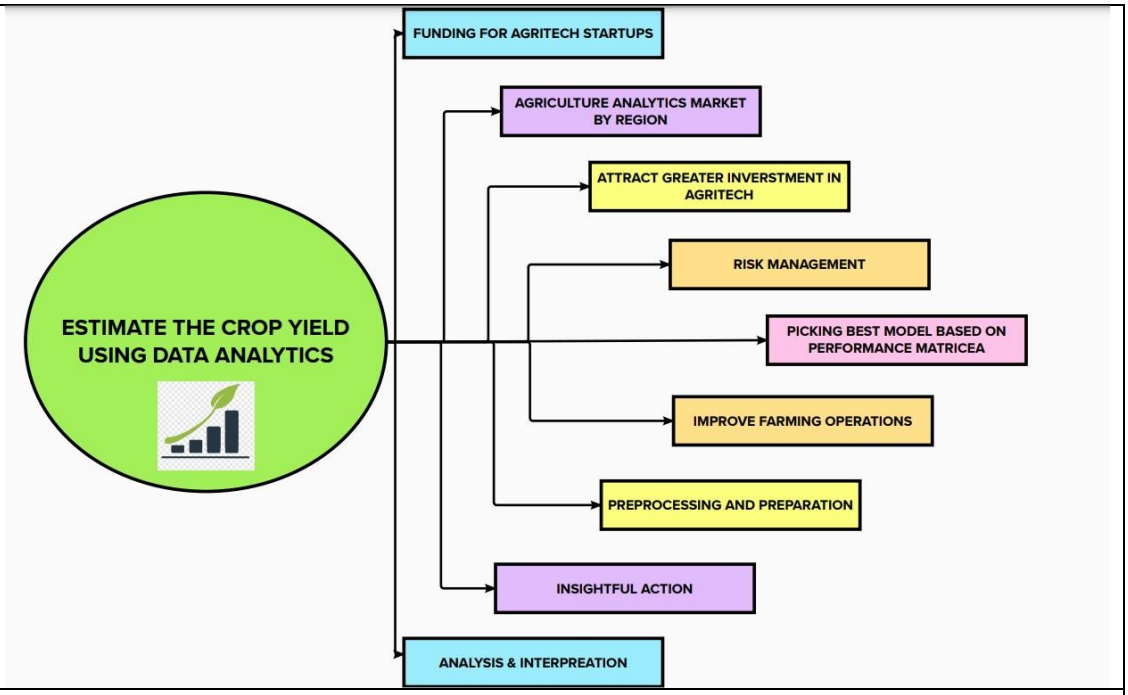
Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID19454
Project Name	Project – Estimate 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)	Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops. As per this project we will be analyzing some important visualization, creating a dashboard and by going through these we will get most of the insights of Crop production in India.
2.	Idea / Solution description	One of the most important features of data analytics is data processing. Data processing involves raw data collection and organization to derive inferences. Farmers are now empowered with insights that can help them predict the market conditions, consumer behavior towards the finished goods, factors in inflation, and other variables that will help them plan the entire process.
3.	Novelty / Uniqueness	For products or services, completeness can suggest vital attributes that help customers compare and choose. Accuracy of data represents real-world scenario and confirms with a verifiable source. With data analytics crop yield predictions can be done earlier even before sowing seeds which results in more productivity.
4.	Social Impact / Customer Satisfaction	Meeting customer expectations on the quality of agricultural product, increasing the quality product instruments and reducing the complexity of the current. The quality debate concerns information on product characteristics, on farming methods, and on origin that a farmer wants to communicate and a consumer wants to know.

5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	Automate data science and data engineering tasks. Train, test and deploy models seamlessly across multiple enterprise applications. Extend common data science capabilities across hybrid, multi-cloud environments.