Project Design Phase-I
Proposed Solution Template

Date	**22/09/2022**
Team ID	**PNT2022TMID08179**
Project Name	**Estimate The Crop Yield Using Data Analytics**
Maximum Marks	

S.No	Parameter	Description
1	Problem statement (problem to be solved)	Reported very simple methodologies to measure the yield difference with respect to season, environment and the land use.
2	Idea / Solution description	Discussed the use of remote sensing technology to identify and measure the causes of yield gaps and the assess the impact on the overall crop yield.
3	Novelty / Uniqueness	Developed a novel model i.e Nearest neighbors modeling tocalculate and predict the yield of crop depends on the available Big data sets.
4	Social Impact / Customer Satisfaction	Various data mining techniques utilized for prediction of rice crop yield for the state of Maharashtra, India. WEKA tool was applied in dataset processing.
5	Business Model (financial Benefit)	The broader agricultural sector (farmers and agronomic advisors, grain handlers, commodity forecasters, input suppliers, insurance providers) required information at many spatial and temporal scales.
6	Scalability of Solution	An unprecedented level of anthropogenic influences is reducing the resilience and stability of our forest ecosystems as well as their ecosystem functions.