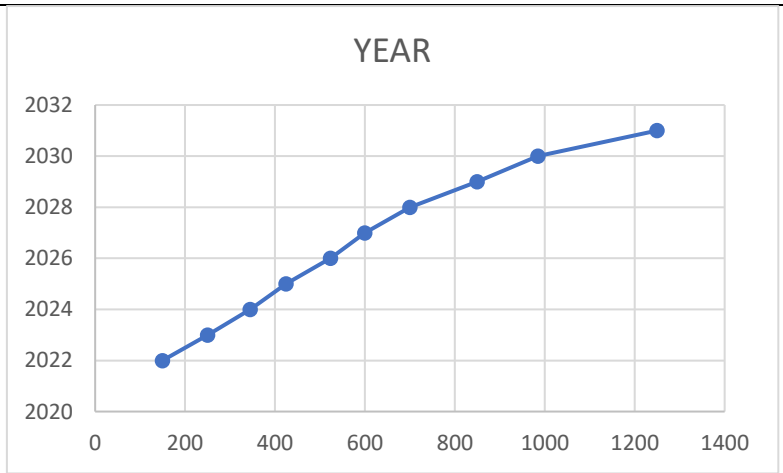
PROJECT DESIGN PHASE – I

PROPOSED SOLUTION

DATE	27-09-2022
TEAM ID	PNT2022TMID01702
PROJECT NAME	IOT BASED SMART CROP PROTECTION
MAXIMUM MARKS	4 MARKS

S.No	Parameter	Description
1.	Problem Statement (problem to be solved)	• A vast majority of the people are invariably affected by the production of crops. Farmers, for example, rely on them for their survival. • The consumers, on the other hand, depend on the crops as it provides them with a multitude of utilities. • It therefore, becomes essential to protect and maintain these crops.
2.	Idea / Solution Description	• In this project, we propose a solution which integrates different technologies like IoT and sensor fusion. • The information collected from the above step is stored in an IoT cloud. • We also aim to track the location where an intrusion has been detected using beacons. This is later notified to the user via an SMS/email
3.	Novelty / Uniqueness	• Can give results with high Precision • Futuristic problem occurs in updating • Maintain by ourself • User friendly to access
4.	Social Impact / Customer Satisfaction	• Reduce the need for manual labour • Increased Protection • Crop monitoring within remote location
5.	Business Model (Revenue Model)	
6.	Scalability of the Solution	• It refers to the adaptability of a system to increase the capacity and the number of technology devices such as sensors and actuators