

Project Design Phase-I
Proposed Solution Template

Date	20 September 2022
TeamID	PNT2022TMID17295
Project Name	IOT Based Smart Crop Protection System For Agriculture.
MaximumMarks	2Marks

ProposedSolutionTemplate:

S.No.	Parameter	Description
1.	ProblemStatement(Problemto be solved)	Develop an efficient system & an application that can monitor and alert the users(farmers)
2.	Idea/Solution description	<ul style="list-style-type: none"> ➤ This product helps the field in monitoring the animals other disturbance ➤ In several areas, the temperature sensors will be integrated to monitor the temperature & humidity ➤ If in any area feel dry or wetless is detected by admins, will be notified along with the location in the web application ➤ Access all the sensor remotely and change the sensors
3.	Novelty/Uniqueness	<ul style="list-style-type: none"> ➤ Fastest alerts to the farmers ➤ The increasing demand for quality food ➤ Providing good quality product for customer. ➤ Avoid all the unwanted products and animals.
4.	Social Impact/Customer Satisfaction	<ul style="list-style-type: none"> ➤ Easy installation and provide efficient results ➤ the optimisation of all the processes related to agriculture and livestock-rearing increases production rates. ➤ weather forecasts and sensors that measure soil moisture mean watering only when necessary and for the right length of time.
5.	Business Model(Revenue Model)	<ul style="list-style-type: none"> ➤ As the product usage can be understood by everyone, it is easy for them to use it properly for their safest organization ➤ The product is advertised all over the platforms. Since it is economical, even helps small scale farming land from disasters.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ➤ The role of crop protection in an Integrated system is, additional to all the other methods, to efficiently control the residual harmful species, with

		<p>minimal use of well selected pesticides</p> <p>➤ ICP focuses on the real problems, namely the residual ones, after all other methods are designed and optimised.</p>
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