

Ideation Phase

Brainstorm&Idea Prioritization Template

Team ID	PNT2022TMID33604
Project Name	Smart Farming IOT Enabled Smart Farming Application
Maximum marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

Step-1: Brainstorm, Idea Listing and Grouping

Person 1			Person 2		
Maintaining Idea Storage Condition.	Soil Health Parameters Are Essential of Organic Cultivation.	IOT Application Provision For Live Guidance.	Large farm owners can benefit from IoT applications to collect data regarding the location, wellbeing, and health of their cattle.	IoT applications can immensely benefit the farmers using greenhouse technology and make their work simple & easy.	With use of IoT applications, storage and transport practices can be improved while improving the shelf life of produce.
It Collect the Data Regarding the Location and health of their Cattle.	Greenhouse Farming is a Methodology Helps in enhancing the yield fruits,crops etc	IOT has been making deep inroads into sectors	Develop affordable app based solution for Soil health monitoring and suggest which crop to be sown based on it.	Develop system for predicting potential pest disease, insect infests therefore at least 15-day & more on Cotton crop and yield prediction of cotton.	Greenhouse farming is a methodology that helps in enhancing the yield of vegetables, fruits, crops etc.
If we can get Important Parameters during different stages of collections	Storage abd Transport practices can be improved.	Improve the Self life of Produce	IoT Applications can provide solutions in maintaining the quality of food products and over all safety of the consumers.	IoT applications may be used to update the farmer user about type & quantity of pesticides required by the crop.	IoT applications may assist in controlling the irrigation pump, opening and closing water flowing gates and also date logging the soil health conditions for present and future purpose.

Person 3			Person 4		
Farmers are under pressure to produce more food	Remote monitoring and control system will help farmers	under watering causes crop stress	Lack of information ,high adption costs, and security concerns	connectivity in rural areas	The learning curve
agricultural operations waste 60% water consumed each year	only 10% of irrigated farms use advanced water management decision tools	it is a very short return on investment time period	Non awareness of the varying farm production functions	size and individual management zones	Barriers to entry for new firms
Invest in in farm productivity	adapt and new technologies	satisfy consumer changing tastes and expectation	Lack of scalability and configuration problems	Energy depletion risks	Technical failures and resultant damages

Step-2: Idea Prioritization

