Ideation

PhaseBrainstorm&IdeaPrioritiz ation

Date	21October2022
TeamID	PNT2022TMID08508
ProjectName	SmartFarmer–IoTEnabledSmartFarmingApplication
MaximumMarks	4Marks

Definingproblemstatement



Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.



PROBLEM

To make farming simpler by identifying a few agricultural restrictions, overcoming those limits, and increasing production quality & quantity by utilizing IOT.



Brainstorm



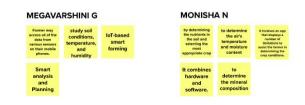
Brainstorm

Write down any ideas that come to mind that address your problem statement.



You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!





Groupideas



Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

① 20 minutes

Nowadays Internet of Things (IoT) technology is one of the fastest growing felds in different domains including agriculture

IOT improves the quality of our lives by bringing and fostering changes in many fields of activities to make them become handy, smart and endowed by sufficient artificial intelligence Smart farming systems know a cultural change towards modern agriculture which is more productive ,consuming less water and even cheaper

The main goal of my project is to use lot in the agriculture feld in order to collect data instantly soil moisture, temperature which will help one to monitor some environment conditions remotely.

The present prototype is developed using arduino technology,which comprise specifc sensors and wif module that helps to collect instant data online,

Worth mentioning the testing of this prototype generated , highly accurate data because while we were collecting them remotely any environmental changes were detected instantly and taking in consideration to make decisions.

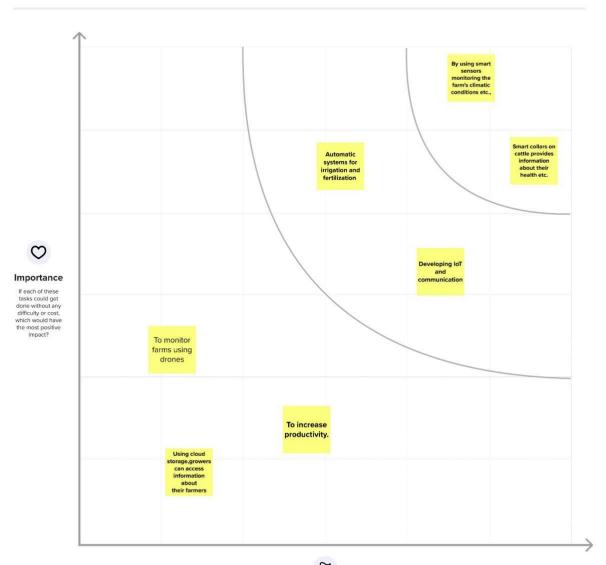
Prioritization



Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

① 20 minutes





Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)