

Project design phase II

Customer Journey

Date	08 October 2022
Team ID	PNT2022TMI49537
Project Name	Smart Farmer-IOT enabled with smart farming application
Maximum Marks	4 Marks

User journey

by the Design Team of Arcanum Innovations NL



People
2-9



Time
30 min



Difficulty
Beginner

Creating a user journey is a quick way to help you and your team gain a deeper understanding of who you're designing for, aka the stakeholder in your project. The information you add here should be representative of the observations and research you've done about your users. 🧐

1 Phases	Identify the problem	Finding an solution to the problem	Working of the product	Overall result / product
High-level steps your user needs to accomplish from start to finish				
2 Steps	<div>Usage of humidity sensor helps measure temperature</div> <div>To detects the motion of insects using sensor</div> <div>Checking of water level now and then</div>	<div>To build a appropriate code for their problems</div> <div>Regular of the monitoring the land area</div> <div>Searching some other website/apps for smart farming</div>	<div>Testing the Model</div> <div>Collecting various dataset</div> <div>Gaining more knowledge about smart farming</div>	<div>To detect bad weather condition</div> <div>Activating everything automatically</div> <div>Notification is send immediately in case of any problem occurs</div>
3 Feelings	<div> <div> </div> <div>Farmers feel happy to see high amount of crop yield</div> <div>They feels satisfied by having high profit</div> <div>Time can be saved by using modern technology</div> </div> <div> <div> </div> <div>Sometimes its hard to find cause of farm</div> <div>Fear of ordering fake products</div> <div>It is difficult to know if the sensors are working properly are not</div> </div>	<div> <div>Feels happy after having this product in their surrounding</div> <div>Sharing their experience with others</div> <div>Their feels safe because notifications a sent are delivered in proper time</div> </div> <div> <div>It feels difficult to detect climatic changes</div> <div>Feel uncomfortable after knowing cost of the product</div> <div>They feel hard to use a modern technology based device</div> </div>	<div> <div>They dont need to be worry about security threats</div> <div>They can have a peace full and smart without a worry about climatic changes</div> <div>Feeling secured even when they are out of town</div> </div> <div> <div>It requires an unlimited or continuous internet connection</div> <div>Feels difficult to setup the product in terrace farming</div> <div>Sometimes sensors may fail to work</div> </div>	<div> <div>They feel safe because of 24/7 monitoring system</div> <div>Real-Time Crop Monitoring</div> <div>Can have Peace full environment, even if there a terrace farming</div> </div> <div> <div>Prediction of result is difficult task</div> <div>sometimes they might have a fear of device malfunction due to working of 24/7 test</div> <div>Sometimes they difficult to predict climatic change and soil erosion</div> </div>
4 Pain points	<div>Due to network issues the alarm message will be delivered late</div> <div>Possibility of hacking or security threats</div> <div>If the program is not properly inserted in the device then the device may not to be work</div>	<div>Terraced garden is hard to find the cause of the problem</div> <div>Sometimes trying the problem requires technicians to solve the problem</div> <div>There is a chance of losing some parts in the crops when move it worth less</div>	<div>The smart farming based equipments res. a farmers is concerned and have the use of technology</div> <div>communication between machines can be mislead</div> <div>It increase the cost of farming which in turn can increase the cost of food</div>	<div>Cannot protect from natural disaster</div> <div>No measures are taken due to some external factors</div> <div>Water cannot be poured in proper time if sensor takes more time to sense</div>
5 Opportunities	<div>water is poured automatically after seeds are sowed</div> <div>Works can be done easily with the help of machines</div> <div>Planting and fertilizing are done without a human power</div>	<div>It provides information quickly and accurately</div> <div>It can be used to monitor field condition to raise and lower the temperature of the field</div> <div>planting and fertilizing schedules are done by latest weathercast</div>	<div>high quality of Production is ensured</div> <div>Improves the quality of soil</div> <div>Makes more spaces for crops</div>	<div>high quantity of Production is ensured</div> <div>It helps to reduce the harmful chemicals present in the soil</div> <div>It is a lowlandress to maximize the production crops using resources</div>

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