

## Ideation Phase

### Define the Problem Statements

Date	15 October 2022
Team ID	PNT2022TMID18437
Project Name	Project - Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks



<b>I am</b>	Commercial Farmer	Farmer who produces crops, fruits, vegetables, cereals and pulses in large scale
<b>I'm trying to</b>	Increase Yield	Periodic monitoring and timely actions will increase the yield of produce and reduces chances of crop failure
<b>But</b>	Fail to take actions	Proper actions couldn't be taken due to lack of a comprehensive monitoring of each and every region of the field
<b>Because</b>	Difficulty in monitoring	Large scale of the farm makes it difficult to monitor the entire farm and take timely actions
<b>Which makes me feel</b>	Demoralized	Profit is what sought after in a business so missing the opportunity to make more money demoralizes a business man



<b>I am</b>	Subsistence Farmer	Farmer who grows crops only for their own use, without any surplus for trade
<b>I'm trying to</b>	Irrigate efficiently	Due to lack of abilities to know the soil moisture of the field, farmer tend to over irrigate or under irrigate the field
<b>But</b>	Inundate the fields	To prevent dryness, they tend to over irrigate the field and also require to manually on the motor
<b>Because</b>	Lack of water flow control	Lack of motor control makes the farmer unable to operate motor based on soil moisture and weather conditions
<b>Which makes me feel</b>	Helpless	Subsistence farmers couldn't afford to employ people to monitor the farm continuously so are helpless

<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	Commercial farmer	Increase the yield	Fail to take actions	Difficulty in monitoring	Demoralized
PS-2	Subsistence farmer	Irrigate efficiently	Inundate the fields	Lack of water flow control	Helpless