Project Title: SmartFarmer - IoT **Project Design Phase-I Solution Fit** **TeamID:** PNT2022TMID16740

1.customer segment:	5.customer:	8.Available solution:
The primary clients for our task are: i) Farmers who need to Work on the yield of their harvests. ii) Ranchers who need to know the state of their harvests and it Natural circumstances so they can take the fundamental techniques right away.	Network availability would be the principal limitation as we use Wi-Fi which has major impediments like in inclusion, versatility and power utilization.	For smart farming, parcel of it based arrangements are there. However, ,one gigantic detriment of brilliant cultivating is that it requires a limitless or consistent web association to find success. This means that in rustic networks, particularly in the agricultural nations where we have mass crop creation, it is totally difficult to work this cultivating strategy.

2.Jobs to be done/Problem:	6.Problem root cause:	9.Behaviour:
)The farmers will initially find it hard to use the device as they have to get familiar with the technologies. ii)They must be with their phone/laptop always so that they would be alarmed when they get the message/mail.	Technologies keep developing but still the farmers are not able to achieve their goals(i.e.) receiving the expected profit due to various reasons like the presence of excess water in the field, varying climatic conditions etc which affects the crop.	IoT applications help farmers to collect data regarding the location, well-being, and health of their crops. Weather stations equipped with smart sensors can collect weather data and send useful information to a farmer.

3.Trigger: Customers get triggered mainly because to save their crops and to prevent them from the damage as they feel depressed when they face the losses and it indirectly affects their family too. **4.Emotions:Before/After:** Before: Depressed ,loss of time ,Facing more losses After: Confident Gets chance to spend time efficiently.	**7.Your solution:** To provide an alternate (i.e) to avoid the network problems we are also going to introduce the manual mode where the farmers can stop the water flow /provide limited amount of water flow into the field., Make it more user friendly(like appoint the help center team to guide them whenever they are facing any trouble with our app	**10.channels of behavior:** Offline: The IoT-based smart farming not only helps in modernizing the conventional farming methods but also targets other agriculture methods like organic farming, family farming (complex or small spaces, particular cattle and/or cultures, preservation of particular or high-quality varieties, etc.), and enhances highly transparent farming. Online: IoT-based smart farming is also beneficial in terms of environmental issues. It can help the farmers to use water efficiently.