Ideation Phase
Define the Problem Statements

Date	30 September 2022
Team ID	PNT2022TMID33671
Project Name	Project – Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Problem Statement :

Farmers are under the pressure to boost food production while using less water and energy. Farmers will be better able to handle these pressures with the aid of a remote monitoring and control system.

A single pump is often used by irrigated fields to water 80 to 100 acres of land. Thus, hundreds of square miles of huge farms require 40 to 80 or more irrigation pumps. Most operate in isolated fields, producing ground water for agriculture, and require trucks to roll to them.

Every area should, in theory, receive the ideal quantity of water at the ideal moment. Under watering stresses crops and lowers yields. Additionally, overwatering reduces yield and uses more freshwater and fuel than is necessary, which leads in runoff from pesticides, herbicides, and fertilisers damages the soil.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A farmer who owns a large amount of land	To pass the effective irrigation to fields	Can't monitor the flow of water all the time.	Because it is very difficult to cover a large remote area in the land	Which leads to less crop production and a sad farmer
PS-2	A farmer who is an emergency can't monitor his farm land	Needs to pass the water to irrigation	Can't access his farm land now.	Because he is no way near his farm land	Which leads to weather of plants