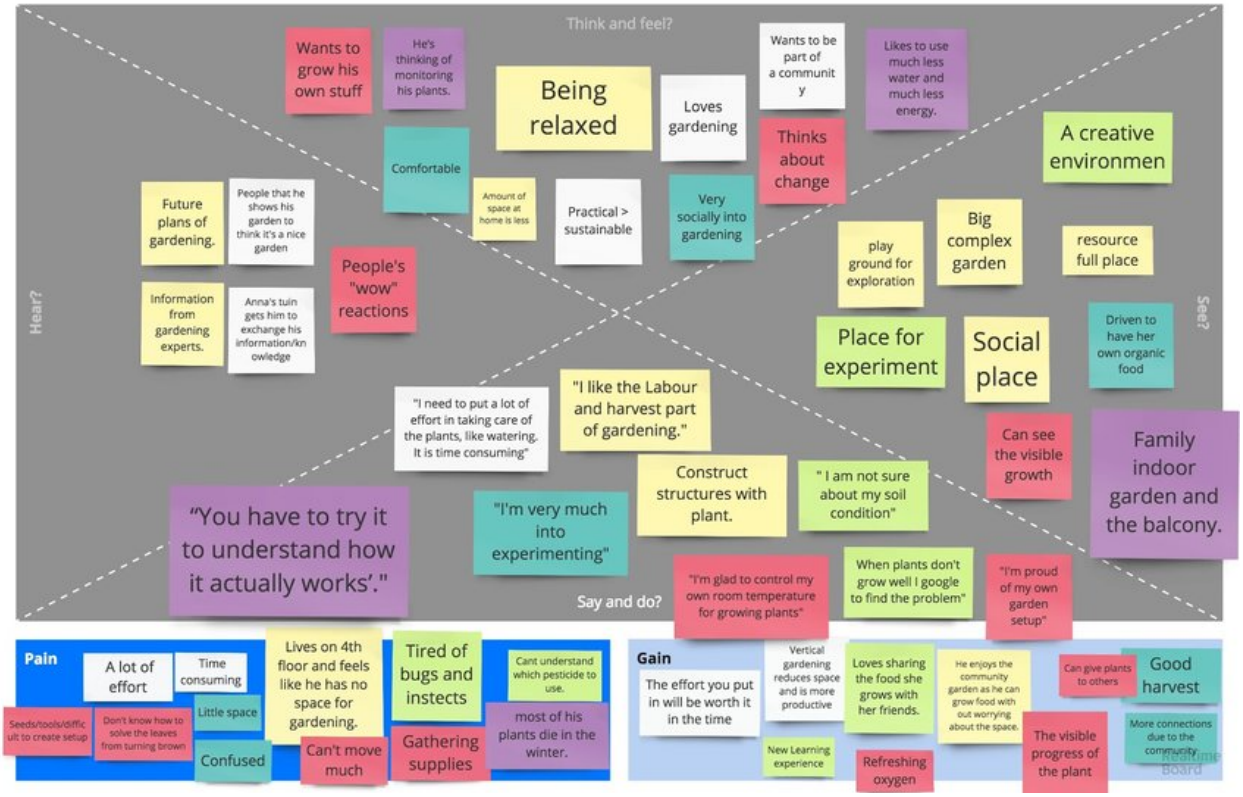
IDEATION PHASE
LITERATURE SURVEY

S.NO	AUTHOR NAME	DESCRIPTION
1	Zhang, F. Research on applications of Internet of Things in agriculture.Springer: London, UK, 2013; pp. 69–75.	Analysis of the state-of-the-art IoT-based smart farming studies is a key challenge due to the coverage of multiple application domains, communication protocols, sensors/devices, and protocols. According to our research questions, we have gathered 67 primary studies in this section. After analyzing the selected studies, we have addressed each question according to the extracted information.
2	TanmayBaranwal"Development of IOT based Smart Security and Monitoring Devices for Agriculture",	A system using sensors that monitor different conditions of environment like water level, humidity, temperature etc., the processor along with IC-S8817BS and wireless transceiver module with zigbee protocol is used.The field condition is sent to the farmer via mobile text messages and email from the experts. With this system Sensor node failure and energy efficiency are managed.
3	S. R. Chourey, P. A. Amale	IOT tendencies are often utilized in smart farming to boost the standard of agriculture [2]. Farming the pillar of supports our country to the general commercial development. But our productivity is extremely low as associated to world standards [31]. People from rural areas drift to an urban area for other

		worthwhile trades.

EMPATHIZE & DISCOVER

An empathy map **helps to map what a design team knows about the potential audience**. This tool helps to understand the reason behind some actions a user takes deeply. This tool helps build Empathy towards users and helps design teams shift focus from the product to the users who are going to use the product.



IDEATION

1.IoT smart farming solutions is a system that is built for **monitoring the crop field with the help of sensors (light, humidity, temperature, soil moisture, crop health, etc.) and automating the irrigation system**

2.The data IoT devices generate is often sent to what is known as an interface or dashboard. This is where **farmers access the information they need, often in real-time, to make more informed decisions.**

3.On farms, IoT **allows devices across a farm to measure all kinds of data remotely and provide this information to the farmer in real time**