PROBLEM STATEMENTS:

Shobana   is a   software engineer

Who needs   to detect gas in home.

Because   gas leakage can destroy/burn the entire house if there occurs a amall flame

Karthick   is a   employee

Who needs   know about gas leakage when he's in office

Because   to avoid explotion when away from home

Sakshi   is a   home maker

Who needs   to protect their family from gas explotion

Because   there is a chance for kids to on the stove and cause gas leakage

Ravi   is a   gas company owner

Who needs   to monitor the gas leakage in the company

Because   to avoid explosion which causes more damages around the company.

Empathy Map Canvas

Gain insight and understanding on solving customer problems.

Build empathy and keep your focus on the user by putting yourself in their shoes.

GAINS KNOWLEDGE ABOUT IOT USAGE FROM FRIENDS

HOW TO OVERCOME NETWORK ISSUES | **HOW TO ENSURES SAFETY** | **SETTING ALARM TO ALERT**

What do they **THINK AND FEEL?**
what really counts
major preoccupations
worries & aspirations

HOW TO AVOID EXPLOTIONS | **PREVENTING THE SYSTEM FROM LEAKAGE** | **HOW TO AVOID LEAKAGE**

What do they **HEAR?**
what friends say
what boss say
what influencers say

APPS TO REGSITER CYLINDER | **HANDLING EXPLOTIONS WITH A PROPER GUIDANCE** | **ABOUT PRECAUTIONS THAT SHOULD BE TAKEN IMMEDIATELY AFTER LEAKAGE**

LEAKAGE DURING DELIVERY | **EXPLOSIONS CAN BE OCCURS IN HOME,HOTELS ,INDUSTRIES** | **THERE IS A CHANCE OF CHILDREN TO TURN ON THE STOVE**

What do they **SEE?**
environment
friends
what the market offers

LEAKAGE OF GAS WHEN CONNECTING TO STOVE

GSM MODULE TO BOOK CYLINDERS | **SENSORS TO ALERT GAS LEAKAGE**

What do they **SAY AND DO?**
attitude in public
appearance
behavior towards others

CAN LIVE PEACEFULLY WITHOUT WORRYING ABOUT GAS LEAKAGE | **COLLECT MORE IDEAS TO PREVENT FROM GAS LEAKAGE**

PAIN

FORGET TO BOOK CYLINDER AT A CORRECT TIME | **CANNOT ABLE TO OFF THE CYLINDER NOB WHEN AWAY FROM THE HOME** | **NO MEASUREMENTS TAKEN DUE TO SOME EXTERNAL FACTORS** | **CANT ABLE TO IDENTIFY WHETHER THE GAS IS LEAKING DUE TO SOME EXTERNAL SOURCE OR THE CYLINDER IS ALMOST EMPTY**

GAIN

ABLE TO BOOK CYLINDERS ON PROPER TIME | **WHENEVER THE GAS GETS LEAK THE NOB WILL BE AUTOMATICALLY GET CLOSED** | **CAN BE PREVENTED FROM UNEXPECTED THREADS LIKE EXPLOSIONS** | **GETS ALARM MESSAGE TO NOTIFY THE OWNER IMMEDIATELY WHENEVER THE GAS GETS LEAK**