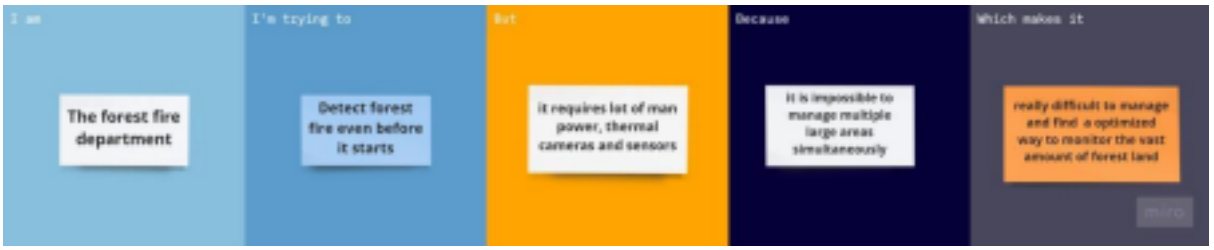
Ideation Phase
Define the Problem Statements

Date	15 October 2022
Team ID	PNT2022TMID48934
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	2 Marks



Problem statement	Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. There are typically about 100,000 wildfires in the United States every year. Over 9 million acres of land have been destroyed due to treacherous wildfires. It is difficult to predict and detect Forest Fire in a sparsely populated forest area and it is more difficult if the prediction is done using ground-based methods like Camera or Video-Based approach. Satellites can be an important source of data prior to and also during the Fire due to its reliability and efficiency. The various real-time forest fire detection and prediction approaches, with the goal of informing the local fire authorities.
I am	The forest fire department
I'm trying to	Frequently monitor any forest fire outbreak in the forest, through heat maps and sensors

But	Its not automated requires lot of man power, thermal sensors and cameras
Because	It is impossible to manage a vast amount of forest cover simultaneously

Which makes it	Really difficult to manage in case of a forest fire outbreak