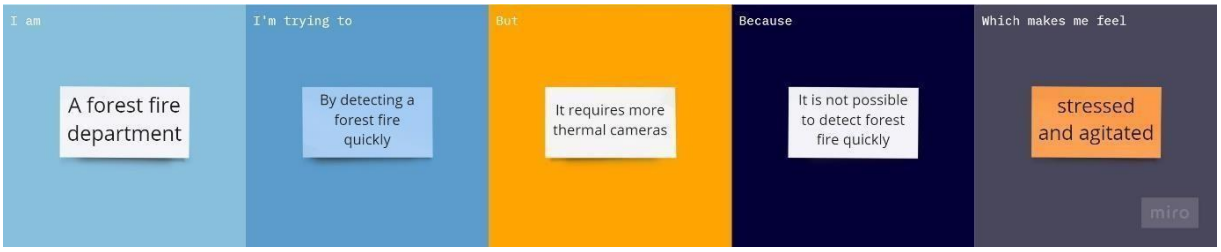
Ideation Phase

Define the Problem Statements

Date	23 October 2022
Team ID	PNT2022TMID06675
Project Title	Emerging Methods for Early Detection of Forest Fires
Maximum Mark	2 marks



Problem statement(ps):	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.
IAM	A Forest fire department
I'm trying to	Frequently monitor fire and make sure to prevent them from getting destroyed. Analyze data from various thermal camera's
But	Requires a lot of thermal cameras for monitoring
Because	It's really hard to cover large boundaries and monitorthem 24 hours a day
Which makes me feel	Stressed and agitated about the forests are burning fast.