

# Ideation Phase

## Define the Problem Statements

<b>Date</b>	20 October 2022
<b>Team ID</b>	PNT2022TMID51523
<b>Project Title</b>	Emerging Methods for Early Detection of Forest Fires
<b>Maximum Mark</b>	2 marks



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