Project Design Phase-I	Proposed Solution
Team ID	PNT2022TMID03630
Project Name	Emerging Methods for Early Detection of Forest Fires
Team details	Team Leader : MEKALA BHARGAV Team member : NARIBOYINA PAVAN SAI Team member : MUNJURU BHARADWAJA Team member : N PAVAN

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Loss of valuable timber resources, Degradation of catchment areas, Loss of biodiversity and extinction of plants and animals, Loss of wildlife habitat and depletion of wildlife, Loss of natural regeneration and reduction in forest cover, Global warming,
2.	Idea / Solution description	Using cameras to monitor camera-based surveillance could be carried out in forest fire-prone areas. Utilising the wake effect of windmills As we learned, fire spread increases with the acceleration of wind speed for tropical dry deciduous forests.
3.	Novelty / Uniqueness	Use of latest algorithms and latest technologies to reduce and predict early detection of fires in forest.
4.	Social Impact / Customer Satisfaction	Even an small fire can cause large impact so evan an small action must be noticed to make customer satisfy.
5.	Business Model (Revenue Model)	The Fire Management Business Model underpins a **risk management model**. The model is used to calculate the probability of

		ignition and spread of fires across a landscape. This outcome allows for a better understanding of how changes in one aspect of management can affect other aspects of management.
6.	Scalability of the Solution	Capacity increased with increased training data and image pixel density and test datas. Increased camera capturing pixels makes better capture. Noticing small actions even.