Project Design Phase-I

Proposed Solution

Date	30 September 2022
Team ID	**IBM-Project-35122-1660281716**
Project Name	**EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES**
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Proposed Solution :

S.No.	Parameter	Description
1.	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
2.	Idea / Solution description	1 TOWER BASED SYSTEM camera can be moved in cables in order to reduce power consumption and the system can be operated from tall tress which can be interconnected with cables as same as cricket field coverage
3.	Novelty / Uniqueness	Here power consumption can be avoided and constant monitoring over a large area can be obtained
4.	Social Impact / Customer Satisfaction	1 TRIBAL PEOPLE This will result in loss of lives in tribal people and even loss of an community 2ANIMALS This will lead to extinction of various species of animals and push some into endangered species specification 3 HUMANS This will readily affect the economy and ecology of life
5.	Business Model (Revenue Model)	TOWER BASED CABLE INTER CONNECTED CAMERAS
6.	Scalability of the Solution	WE have addressed the field such us constant monitoring as camera will be in movement and the power consumption is also reduced due to cable based interconnection