PROJECT DESIGN PHASE

PROPOSED SOLUTION TEMPLATE

Date	02\10\2022
Team ID	32408-1660209538
Project Name	Emerging Methods For Early Detection Of Forest Fire.
Maximum Marks	100

PROPOSED SOLUTION:

S.NO.	PARAMETER	DESCRIPTION
1.	PROBLEM STATEMENT (PROBLEM TO BE SOLVED)	Detection of forest fire and smoke in wildland areas is done through remote sensing-based methods such as satellites, high-resolution static cameras fixed on the ground, and unmanned aerial vehicles (UAVs).
2.	IDEA/SOLUTION DESCRIPTION	Detection of forest fires using CO_2 sensors Existing detection methods such as satellite and optical systems can cover large areas; satellite systems identify infrared signatures, while optical systems look for smoke plumes.
3.	NOVELITY/UNIQUENESS	A fire detection system uses a smoke detector to detect a fire before it actually starts. An effective fire detection system eliminates damage by ensuring that a fire can be prevented before it even starts. A fire detector may also have a direct connection to an alarm monitoring center
4.	SOCIAL IMPACT/CUSTOMER SATISFACTION	Blocked roads and railway lines, electricity, mobile and land telephone lines cut, destruction of homes and industries, and the way of life of many communities are annual news stories and the balance of the catastrophe caused by fire results in a wealth of articles, editorials and communications.
5.	BUSINESS MODEL(REVENUE	Installing security and fire

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	MODEL)	systems contractors too often leave the profits from selling service agreements for other competitors to procure from their clientele. Learn how marketing a service sales strategy can generate consistent recurring revenue from existing customers, as well create new ones
6.	SCALABILITY OF THE SOLUTION	The completely modular system makes it easily expandable and business efficient for customized fire detection, with significant cost reductions.