Project Design Phase-I

Solution Architecture

Date	22 October 2022
Team ID	PNT2022TMID33969
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	4 Marks

Solution Architecture:

Forests are part of the important Resources for human survival and social development that protect the balance of the earth ecosystem. These fires are the most uncontrollable disasters to forest resources and the human environment condition. Now there are many methods used for providing fire detection to forest.

- There are many existing systems like Satellite Systems, CCD CAMERAS, wired system and Bluetooth technology. These system provides a complete image of the earth.

- Forest fire monitoring by remote sensing can be achieved through the use of polar orbiting and geostationary satellites.

- The system is being detected the level of temperature, Smoke by using the sensors.

- These systems are efficient for detecting fire in very short duration.

- The industrial application of wireless sensor networks are in digital transmission to monitor temperature and humidity in the forest in a more timely and precise way.

Real Time Monitoring of Forest Fires