

Wildlife Monitoring and Anti-Smuggling System for Trees in Forest with Deforestation, Fire and Smoke Detection with Fire Suppression System

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Abstract: Remote sensing has presented a systematic, replicable, and geographically comprehensive picture of the expected large amount of biodiversity. Materials, planning data, policies, and monitoring the forest sector would be more beneficial for appropriate estimations of forest efficient expenditure. A wildfire is an uncontrolled fire that harms both natural and societal resources. When the fire begins to burn and spreads quickly over the forest, it causes enormous damage. Some of the causes of wildfire include lightning, extremely hot and dry weather, a lack of rain, and human ignorance. This project creates an IOT foundation for a system that detects jungle fires. The fire detection system that has been described allows for the early identification of fire before it spreads across a large region. After the fire is discovered, water starts pumping ferociously. With the use of a GPS module, the institution receives the device's precise position. Included the is an Internet - of - things solution for escaping tree trafficking.

Keywords: Wildfire, Anti-Smuggling, IOT, GPS module.

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