IoT-Based Wireless Sensor Network using Poaching Alarm for Trees in Forest

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Abstract: *From so many days,it has been reported in the newspapers and magazines about the smuggling of trees like Sandalwood, and Sagwan. This is due to rising demand from both local and international markets. The illegal trade is driven by the high price that these trees can fetch, making it lucrative for smugglers. The rising demand is also due to the dwindling supply of these trees, as they take years to grow and are not easily replanted. This has led to an imbalance between demand and supply, making them highly sought after and expensive. These trees are very high-priced as well as less available around the world. These trees are very expensive and very rare worldwide. Notorious smugglers have been smuggling such trees for years in the jungles of the Indian states of Karnataka and Tamil Nadu. In order to limit this smuggling and save forests around the world, some precautions must be taken. Such precautions include increased surveillance of forests, stricter laws and regulations, and harsher penalties for those caught smuggling. Additionally, it would be beneficial to raise awareness of the issue so that people are more aware of the consequences of their actions. Because of the enormous amount of money involved in the selling of these trees, many accidents occur while trees are felled. In this case, we should provide protection for trees to limit smuggling In addition to these measures, we could also encourage more sustainable forestry practices that would limit the amount of trees felled in the first place. This would reduce the incentive to smuggle these trees, as well as decrease the negative environmental impacts of illegal logging. Within this frame of reference, we are supposed to provide protection to the trees, which can be restricted to prevent smuggling. We aim to save valuable trees like teak, sandalwood, and other trees that are in high demand on the market.*

Keywords: Wireless Sensor Network.

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DOI: 10.48175/IJARSCT-12721

ISSN
2581-9429
IJARSCT

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