# IOT BASED ANTI-POACHING ALARM SYSTEM FOR TREES IN FOREST USING WIRELESS SENSOR NETWORK

## ABSTRACT

For many days we are reading in the newspapers about smuggling of the trees like sandal, "Sagwan" etc. These trees are very costly as well as less available in the world. These are use in the medical sciences as well as cosmetics. Because of huge amount of money involved in selling of such tree woods lots of incidents are happening of cutting of trees and their smuggling. In India also in the jungles of Karnataka and Tamilnadu notorious Smuggler "Virrappan" did the smuggling of such trees for so many years. To restrict such smuggling and to save the forests around the globe some preventive measures need to be deployed. We are developing such a system which can be used to restrict this smuggling. Smuggling of sandalwood has created socio economic and law and order problems in areas bordering the state of Tamil Nadu and other regions in India. The purpose of this project is to save valuable trees which have high demand in market like teak, Sandalwood, etc.

## INTRODUCTION

For many days we are reading in the newspapers about smuggling of the tress. These trees are very costly. These are mostly useful in the medical sciences as well as cosmetics. Because of huge amount of money involved in selling of such tree woods and lots of incidents are happening of cutting of tree and their smuggling. This problem isn't related to India only, in China, Australia and African countries are also struggling with same issues. Putting cost in mind, Indian sandalwood costs 12000 to 13000 INR per kg whereas in international market Red Sanders command a high price of INR 10 core per ton. The Indian sandalwood tree has become endangered in recent years, and in an attempt to curb its possible extinction the Indian government is trying to limit the exportation of

sandalwood. For an individual, maximum permissible purchase limit is not to exceed 3.8kg as per Govt. The tree is already government controlled, and removal is prohibited whether on private or temple grounds until the tree is thirty years old.

But even though some corner of newspaper shows us the same title. The problem what observed is there is no system or any medium to detect illegal logging and cutting of trees. A mean by which, at your workplace, you will know what's happening with my trees should be installed. Such system will help you to detect and will alert you so that you can take actions. Putting this problem in mind, a system is designed which help us to achieve our goal i.e. TO PROTECT NATURE.

Technofist,

YES Complex, 19/3&4, 2nd Floor, Dinnur Main Road, R.T.Nagar,Bangalore-560032

Ph:080-40969981, Website:www.technofist.com. E-mail:technofist.projects@gmail.com