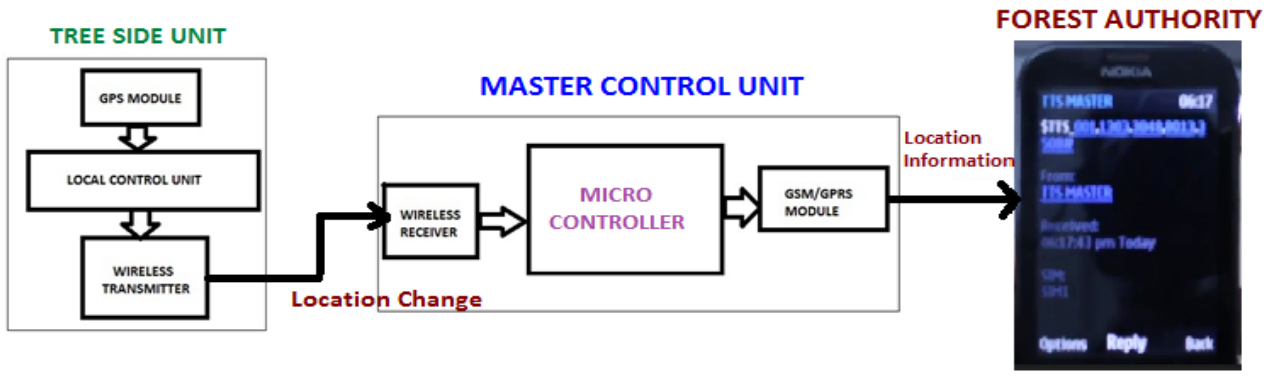
PREVENTION OF TREE SMUGGLING USING IOT

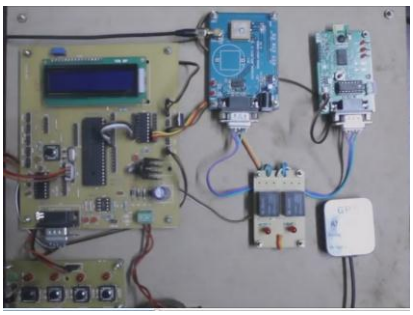
In recent days we are often heard in the news that trees like Red wood, Sandal, “Sag wan” etc. are being smuggled. These trees are very costly as well as less available in the world. To restrict such smuggling and to save the forests around the globe, a device is designed to report such irregular and illegal activities to the forest authorities. When the tree is being cut and carried, the change in location is sensed by the GPS module and transmitted to the master control unit through the wireless transmitter. The master unit receives this location through the wireless receiver connected to it. This location is shared to the nearest forest department by a GSM module. Once the tree is being cut and smuggled, an SMS along with the location of the corresponding tree is sent to the registered phone number of the forest control officer.

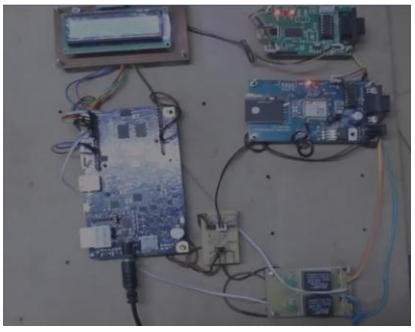
Model of the entire system



The Merits are

- Efficient in preventing endangered species from being smuggled.
- Master-Slave setup of the device promotes cost efficiency.
- Efficient in providing tracking information at all the time and fast in alerting the forest admin.





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