

**A
PROJECT REPORT
ON**

“TSUNAMI SURVEILLIENCE SYSTEM”

Submitted in partial fulfillment of VIII semester

**BACHELOR OF ENGINEERING IN ELECTRONICS AND
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VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM**

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ABSTRACT

The data collected by each sensor will hop through the zigbee network to reach a router and from where it will be transmitted to a server. Several such networks deployed across the world sending seismic activity to a central server can be set up. All this data on the server with proper analysis can help in predicting changes in seismic activity and may be and earthquake/tsunamies.

In accordance with the various possibilities we have designed a wireless tremors, vibration and earthquake monitoring system. The platform we are using is XB24 zigbee modems.

Our prototype wireless system is easy to program, deploy and integrate with traditional acquisition systems or with existing sensors. Moreover, since software on the nodes has been developed using a simple and high-level programming language derived from Wiring, the behavior of nodes can be modified also by non-programmers