Abstract

‘Decision is not the instantaneous process, it is the logical analysis done on Past data. ‘WSN is the best system for real time monitoring of natural parameters. For prediction of natural hazards different sensors are employed. Natural hazards can be predicted by supplying the threshold values of the natural parameters. Natural hazard is not due to any one parameter, it is the result of collective result made by all sensors. For making the system self learning for the particular area the BP (Back Propagation) Neural Network algorithm is implemented. This paper will give an energy efficient algorithm for WSN by reducing the redundancy of data
transmission.

References

- Maneesha V. Ramesh, Sangeeth Kumar, and P. Venkat Rangan "Wireless Sensor Network for Landslide Detection", Amrita School of Engineering
- Maneesha V. Ramesh, P. V. Ushakumari "Threshold Based Data Aggregation Algorithm To Detect Rainfall Induced Landslides", Department of Computer Science Department of Mathematics, Amrita School of Engineering Amrita School of Engineering Amrita University
- Maneesha V. Ramesh, P. V. Ushakumari "Threshold Based Data Aggregation Algorithm To Detect Rainfall Induced Landslides", Department of Computer Science Department of Mathematics, Amrita School of Engineering Amrita School of Engineering Amrita University
- Dr. P K Mishra, SK Shukla, S Dutta, Dr. S K Chaulya, Dr. G M Prasad "Detection of Landslide Using Wireless Sensor Networks", , URSI Conference 2011
- Carlos Gerhenson "Artificial neural networks for beginners?"
- Zhang Quinhui, Yin Hui "Application research of neural network in zigbee locating system of mine? second international conference on intelligent computation technology and automation 2009"

Index Terms

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Keywords

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