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Designation: Professor

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Qualification & Experience

- BE (Civil) Assam Engineering College 1989
- ME (Computer Aided Design) University of Roorkee 1991
- PhD (Civil Engineering) IIT Roorkee 2002

20 years of Experience in Teaching, Research and Consultancy

Research Interest

- Earthquake Ground Motion Simulation
- Structural Response and Damage Detection
- Earthquake Vulnerability study of Structures
- Urban Risk Mapping

Recent Publications

1. "Earthquake Vulnerability Assessment of Guwahati Urban Centre"- published in the 14th World Conference on Earthquake Engineering (12-17 Oct) 2008 in Beijing, China

2. "Site Amplification, Qs, and Source, Parameterization in Guwahati Region from Seismic and Geotechnical Analysis " – published in Seismological Research Letters, Volume 79, Number 4 July/August 2008

3. " ANN based Attenuation Relation for PGA using Indian Ground Motion Data " – presented in the 1st European Conference in Earthquake Engineering and Seismology ,held in Geneva , Switzerland 3-8 Sept, 2006

4. "Earthquake Vulnerability Risk Mapping of Guwahati City, India " published in the 1st Asian Space Conference , Chiangmai, Thailand.22-26th November, 2004

5. "Simulation of Design Earthquake In The Himalayan Region Using Artificial Neural Network", presented in the 13th World Conference on Earthquake Engineering (1-6 August) 2004 in Vancouver, Canada

6. "ANN Based Model for Simulation of Design Earthquake in the Himalayan Region", 2002, 12th Symposium of Earthquake Engineering, held in IIT, Roorkee from 16-18 Dec, 2002.

7. "Earthquake Data Mining In Disaster Management", 2002, United Nations Regional Workshop on Use of Space Technology for Disaster Management for Asia and the Pacific, UNESCAP, Bangkok from 11-15 November, 2002.

8. "ANN based model – A new tool for solution in Structural Engineering" 2000, Indo-US Workshop on Mathematical Modeling held in Univ. of Roorkee in Jan 2000.

9. "ANN Based Simulation of Accelerogram", 1998, 11th Symposium of Earthquake Engineering, held in Univ. of Roorkee in Dec, 1998