

## ***CURRICULUM VITAE***

### **Dr. Pradeep K. Goyal**

Associate Professor & Head  
Department of Civil Engineering  
Govt. Engineering College,  
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### **Education**

- Ph.D., Indian Institute of Technology Delhi, India (2010)
- M.E., Malviya National Institute of Technology, Jaipur, Rajasthan, India (1999)
- B.E., M.B.M. Engineering College, Jodhpur, Rajasthan, India (1996)

### **Research Interests**

- Cyclone hazard mitigation, Microzonation, Hazard analysis and risk assessment, Soft Computing Techniques.

### **Administrative Responsibilities**

- Head, Department of Civil Engineering (Aug. 2011-present)
- Faculty Adviser, ISTE Student Chapter (Feb 2010-onward)
- Co-ordinator, AICTE&RTU affiliation related work (Nov. 2011-present)
- Proctor (Aug. 2000-July 2005)
- Asstt. Proctor (Sept. 1999-Aug. 2000)
- Co-ordinator , Training and Placement (Sept. 2001-Dec.2004)
- I/C Estate (Oct. 1998 – Sept. 1999)
- Member, Standing Discipline Committee (1999-2005)
- Member, COG, Engineering College Society, Ajmer (Jan 1999-Jan.2000)
- Served as Centre of Superintendent in University Examination (Many Times)
- Served as Asstt. Centre of Superintendent in University Examination (Many Times)
- Served on IIT JEE -2007 duty as Institute Representative of IIT Delhi.

### **Membership of Professional Societies**

- Life member, Indian Society for Technical Education, New Delhi

### **List of Publications**

#### **(A) International Journals**

- “Vulnerability Assessment of Rural Houses to Cyclonic wind” *International Journal of Disaster Resilience in the Built Environment*, Vol.3 (1), Emerald
- “Cyclonic Microzonation ”, *Natural Hazards*, Vol.61(3)Springer (DOI 10.1007/s11069-011-9943-0)
- “Probability Distributions for Cyclone key Parameters and cyclonic wind speed for the east coast of Indian Region”, *The International Journal of Ocean and Climate Systems*, Vol.2 (3), Multi science,UK
- “Effect of wind directionality on the vulnerability of rural houses due to cyclones” *Natural Hazard Review*, ASCE (Communicated)

#### **(B) International Conferences**

- “Impact of Climate change on Tropical Cyclones: Current Issues and Strategies” *International Conference on Renewable Energy Asia-2008*, IIT, Delhi ,pp.1200-1206
- “Probabilistic cyclonic microzonation using cyclone track” 13<sup>th</sup> *International Conference on Wind Engineering, 10-15 July, 2011, Amsterdam The Netherland.*
- “A Method for Preliminary Estimate of Vulnerability of Rural Houses to Cyclonic Wind” 4<sup>th</sup> *International Conference on Structural Stability and Dynamics (ICSSD-2012)* 4-6 January,2012 , MNIT.Jaipur in collaboration with TEXAS A&M University,USA.

#### **(C) National Conferences**

- “Fragility Analysis of Rural Houses due to Cyclonic Wind” 4<sup>th</sup> *National Conference on Wind Engineering*, SERC, Chennai pp.337-344, 2007.
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**Short term course/Workshop attended**

<b>S.N.</b>	<b>Title</b>	<b>Duration</b>	<b>Organizing Institute</b>
1.	Finite Element Analysis, Dec.,2001	1 Week	IIT,Bombay
2.	Development of attitudes, behaviours and non technical competencies, Nov.,2002	1 Week	TTTI,Chandigarh
3.	Structural steel design,Dec.2002	1 Week	MNIT Jaipur&INSDAG,Kolkata
4.	Seismic design and structural control methods,June,2003	1Week	MNIT,Jaipur
5.	Application of FEM for structural analysis,July,2004	1 Week	MNIT,Jaipur
6.	Emerging needs of rural industrialization and the role of technical institutions,June2005	1 Week	IIT, DELHI
7	Natural Disaster Management ,Dec2005	2 Weeks	IIT, DELHI
8.	Spectral analysis for seismic response of structure,Dec.2006	1 Week	IIT, DELHI
9.	Modern Construction Management ,March,2008	1 Week	IIT, DELHI
10.	Health Monitoring, on Non–destructive Evaluation and Retrofitting of Structures,March2008	2 Days	IIT, DELHI
11.	Advances in Concrete Construction Processes, March,2009	1 Week	IIT, DELHI