Dr S A Vasanwala

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Education:

- B. E. (CIVIL) in 1983 from S. G. U., Gujarat, India
- M. E. (CIVIL) specialization in Structure in 1985 from S. G. U., Gujarat, India
- Ph. D. on "GEOMETRICAL CONFIGURATION EFFICIENCY AND NEURAL APPROACHES FOR THE PRELIMINARY DESIGN OF DOUBLE LAYER SPACE GRID STRUCTURE" in S V National Institute of Technology, Gujarat, India, in July 2007.

Professional Interests:

Dr Sandeep A. Vasanwala field of Specialization is Computer aided Structural Analysis, Engineering Mechanics, Structural Analysis, Computer application in Civil Engineering and Neural Network application in Structural Engineering. His research interest lies in the area of Earthquake resistance design of Structure, Performance evaluation & Capacity based Design of Concrete Structure, Preliminary Design of Structures, neural application for Preliminary Design of Structure and Space Structures.

Representative Publications:

➢ **Journal & International Conference**

Sr. No.	Title of Paper	Name of Journal	Page No. / Volume / Issue Year
1.	Computer Aided Structural Design Artificial Intelligence Approached	Civil Engineering Department, Indian Institute of Technology Bombay, Mumbai	1997
2.	Computerization of Structural Design Process	Civil Engineering Department, Indian Institute of Technology Bombay, Mumbai	1998
3.	Neural Networks to Assist – in the Conceptual Design of Concrete buildings	Civil Engineering Department, Indian Institute of Technology Bombay, Mumbai	1999

4.	Concrete Systems Guided to estimating and Economizing	Civil Engineering Department, Indian Institute of Technology Bombay, Mumbai	2001
5.	Neural Approaches for the Preliminary Design of Double layer Grids	The Bridge and Structural Engineer, New Delhi	Jan2008 Vol.37 No.4, pp. 31 to 38
6.	BP and RBF Neural Networks for Predicting Minimum Weight of Double-layer Space Grids	International journal of Applied Engineering Research	Vol.7 No.3 PP. 969 to 978
7.	Design of Reinforced Concrete Biaxial Loaded Rectangular column using Artificial Neural Network	SEC-2005(Structural Engineering Convention), Civil Engineering Department IISC Bangalore	14-16 Dec 2005
8.	Guidelines for developing Neural network applications using Back-propagation in structural Engineering	National Conference on Recent Advances in Structural Engineering, JNTU College of Engineering, Kakinada(A.P.)	11-12 Feb 2006
9.	ANN for Preliminary Design of Double-layer Grids	Third Structural Engineering World Congress, Bangalore	Nov2007
10.	BP and RBF Neural Networks for Preliminary Design of Double-layer Grids	INSDAG International Publication, Kolkatta	2008
11.	Neural Networks for Modeling Preliminary Design of Double-layer Grids	An International Journal of Structural Engineering and Mechanics, Daijeon, Korea	2008