

Dr Atul K Desai

Head
Applied Mechanics Department
S V National Institute of Technology,
Surat



Phone No. (O) +91-261-2201531
(M) +91-932743390

E-mail: akd@amd.svnit.ac.in
dip1985@yahoo.com

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
- LL. B. specialization in Income Tax and Sales Tax in 1987 from S. G. U., Gujarat, India
- Ph. D. on “EFFECTS OF PLYLON SHAPES ON DYNAMIC BEHAVIOUR OF CABLE -STAYED BRIDGES SUBJECTED TO SEISMIC LOADING” in S V National Institute of Technology, Gujarat, India, in Oct 2008

Professional Interests:

Dr Atul K. Desai field of Specialization are Structural Dynamics, Machine Foundations, Bridge Engineering, Earthquake Engineering and Structural Forensic. His research interest lies in the area of Bridges subject to Seismic Loading, Analysis and designing of Tall Structure, Microwave Tower, Chimney, Cooling Tower, Steel Structure, Fiber Reinforced soil, Wind Induced Oscillation in Structure, Turbo Machine frame foundation, Pile Raft foundation etc. He is also interested in Fiber Reinforced Concrete its Damping and Energy Dissipation, Beam-Column joint, Seismic Time History Analysis (Near Field and Far field Earthquake) . The other area of research are Pavement quality concrete (P.Q.C.) with Fiber for Roads, Hybrid Cable Suspension Bridge, Extra Dosed Cable Stayed Bridge, Retrofitting and Rehabilitation of Structure.

Representative Publications:

➤ Journal & International Conference

Sr. No.	Title of Paper	Name of Journal	Page No. / Volume / Issue Year
1.	Study of beam column joint using HPC with polyester-fiber under cyclic loading	New building materials & construction World NBM&CW	Jan2006 Vol.11 ISSN 0973-0591 PP. 140 to 144
2.	Blast load Analysis of Over Head Water Tank	New building materials & construction World NBM&CW	May2006 Vol.11 ISSN 0973-0591 PP. 190 to 195
3.	Seismic analysis of Curved Cable stayed Bridge for western zone of India	International journal of the bridge & Structural Engineer” ING-IABSE	Dec. 2006 Vol. 36 PP. 25 to 46

4.	Dynamic Analysis of Innovative Long Span spread pylon cable stayed bridge	New building materials & construction World NBM&CW	July 2007 Vol.13 ISSN 0973-0591 PP. 88 to 118
5.	Earthquake resistant Ductile Concrete	New building materials & construction World NBM&CW	Oct 2007 Vol.13 ISSN 0973-0591 PP.144 to 159
6.	Co-relationship of “ Seismic (EDR) and (PGA) for Cable Stayed Bridge”	New building materials & construction World NBM&CW	March 2008 Vol.13 ISSN 0973-0591 PP. 204 to 221
7.	Economy in Cost of Construction using High Grade Concrete (OPC) in India	At International Conference on Construction Industry by The Institution of Engineers (India) at Chandigarh; India.	18-20 Nov -2000 PP – 446 – 462
8.	Seismic Analysis of curved Cable Stayed Bridge with reference to bhuj earthquake	8 th International conference on “steel space and composite structures”; Kuala Lumpur, Malaysia	15-17 may 2006 PP. 193 - 202
9.	Seismic Design of Tall chimney using IS: 1893-2002 & IS: 1893-Draft, (Part -4) code	International conference on earthquake engineering (ICEE 2006) Sastra Thanjavur, Tamilnadu.	25-26 Feb 2006 pp. 315-325
10.	Seismic Analysis of long span Spread pylon Cable stayed bridge	International Conference on “Recent Developments in structural Engineering (RDSE-2007)”, at Manipal	30 th aug-1 st sep 2007 pp. 290 (CD Published)
11.	Seismic Response study of hyperbolic cooling tower shell structure	International Conference on “Recent Developments in structural Engineering (RDSE-2007)”, at Manipal	30 th aug-1 st sep 2007 pp. 291 (CD Published)
12.	Case study of health Monitoring of Building of Surat Urban Area of India	11 th International Conference on Inspection appraisal repairs and maintenance of structure, North Cyprus	14-17 Nov. 2007
13.	Seismic Response study of hyperbolic cooling tower shell structure	The International Conference on Modern trends in structural engg. For seismic design, Ariel, Israel.	08 – 11 Oct. 2007 (MTSESD – 2007)
14.	Experimental Study On Flyash	Paper In Journal of Engg. & Tech. At Sardar Patel University, Gujarat.	December 1990, Vol – 5, PP 26 - 28
15.	Method of Health Monitoring of Structures and Diagnostic Medicine	Civil Engineering and Construction Review (CE & CR)	May 2008 Vol – 21, pp 42 - 49