

## CURRICULUM VITAE



**DR. Dr. Atul K. Desai**  
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### Contact Addresses:

Dr. Atul K. Desai  
 33 / B, Sai Sanchay, Maher Nagar Society, Opp.  
 Adajan Fire Station, Adajan, Surat – 395009.Gujarat.

### Educational Qualification:

Degree	University/Institute	Year
B. E. (CIVIL)	South Gujarat University (SGU)	1983
M. E. (CIVIL)* <i>specialization Structure</i>	South Gujarat University (SGU)	1985
LL. B. <i>specialization in Income Tax and Sales Tax</i>	South Gujarat University (SGU)	1985
Ph. D. **	SVNIT	2008

\* M. Tech. Dissertation : "Turbo Machinery Foundation".  
 \*\* Ph. D. Thesis: "Effects Of Pylon Shapes On Dynamic Behaviour Of Cable-Stayed Bridges Subjected To Seismic Loading".

### RESEARCH INTEREST:

- 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 filed 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

### RESEARCH AREA:

- Structural Dynamics; Machine Foundations; Bridge Engineering; Earthquake Engineering and Structural Forensic.

### Specialized Fields:

- Structural Dynamics
- Machine Foundations
- Earthquake Engineering
- Geotechnical Engineering
- Structural Forensic

#### HONOR, AWARDS & PRIZES:

- Hari Ohm Ashram Bhaikaka Gold Medal” for getting First position in South Gujarat University, in B.E. Final (Civil). Given by Governor of Gujarat State.
- “Contractor Association Gold Medal” for above achievement. Given by Chief Minister of Gujarat State.
- “Silver Medal” given by Anavil Trust for above achievement.
- Award given by Principal, SVRCET for getting First Position in B.E. Third Civil.
- Merit Scholarship for study from 1979-1983 with First Class Distinction in all semesters of B.E. (Civil) and Three semester of M.E. (Structural Engg.)
- Got second Position in SuratCenter in “ARYA BHATT -Science Talent Research Exam”.
- Best research paper Award by “Hari Ohm Ashram Prerit Bhaikaka Inter University Smarak Trust” year 2006 – 2007.
- Session chair at WASET Zurich Switzerland July 30-31 2013
- Session chair at PSRC, Bali Indonesia June 30 July 1 2012
- Session chair at IEEE November 2 ,4 2010 Cairo Egypt
- Appreciation certificate given by CM Narendra Modi for safe city CCTV project at surat.

#### Foreign Countries Visited

- Thailand, Singapore, Malaysia, Egypt, USA. Indonesia, Switzerland, Canada, France, Italy, South Africa, London.

#### No of Student Guided

➤ <b>M. Tech</b>	<b>Completed</b>	<b>: 72 Nos.</b>	<b>In-progress</b>	<b>: 2 Nos.</b>
➤ <b>Ph.D</b>	<b>Completed</b>	<b>: 14 Nos.</b>	<b>In-progress</b>	<b>: 10 Nos.</b>

#### EMPLOYMENT DETAILS

**Date of Joining College:** 5th August, 1983  
**Teaching & Professional Experience** Since 34 Years. Working at Applied Mechanics Department, S. V. National Institute of Technology, Surat.  
 Head of the Department, from Aug'09 to July'11  
 Prof. I/C Estate Section, From Oct. 16, 2008 to July 27, 2009.

#### Breakthrough/Innovations/Achievement

- **T. V. Programme Given** 19 Nos
- **Special Lectures Delivered** 71 Nos.
- **Articles In Magazine** 13 Nos.
- **Article In News Paper** 21 Nos.

- Consultant to many Industries and SMC
- Appointed No. of times by Gujarat High Court for Investigation
- Organized “Vastu Convention 2002” National Conference by IVVRF, Surat at Holiday Inn Hotel on 1st – 2nd June 2002.
- Organized “AICTE Sponsored Staff Development Programme on Wind Energy’, SVNIT Surat on 19th Jan 2009.
- Organized one day programme with anchor institute cell SVNIT along with IIT Bombay on computer masti, SINE IIT Bombay 21/01/2014
- Visited University Of Toronto, Canada
- Visited University Of Alberta (Edmonton), Canada
- Visited University Of Saskatchewan (Saskatoon), Canada
- Visited University Of York, Toronto, Canada

Reviewer of the “International Journal of Environmental Management” from Elsevier

### DETAILS OF PUBLICATION:



Analysis of Turbo Generator Frame Foundation, Lambert Academic Publication.

<b>International Journal</b>	109
<b>International Conference</b>	59
<b>National Journal</b>	59
<b>National Conference</b>	87

### PAPERS IN REFEREED INTERNATIONAL JOURNALS

1. Desai, A. and Mahajan, M.,(2006) “Study of beam column joint using HPC with polyester-fiber under cyclic loading”, *New building materials & construction world NBM & CW*, ISSN 0973-0591, vol.11, issue-7, pp. 140 to 144, January 2006.
2. Desai, A. and Desai, D., ,(2006) “Blast load analysis of over head water tank”, *New building materials & construction world NBM&CW*, ISSN 0973-0591, vol.11, issue-11, pp. 190- 195, May 2006.
3. Desai, A., Desai, J. and Patil, H., ,(2006) “Seismic analysis of curved cable stayed bridge for western zone of India”, *International journal of the bridge & structural engineer, ING-IABSE*, vol. 36 No.4, pp. 25 to 46, December 2006.
4. Desai, A., Desai, J. and Patil, H., ,(2007) “Dynamic analysis of innovative long span spread pylon cable stayed bridge”, *New building materials & construction world NBM & CW*, ISSN 0973-0591, vol.13, issue-1, pp. 88 to 118, July 2007.
5. Desai, A., ,(2007) “Earthquake resistant ductile concrete”, *New building materials & construction world NBM & CW*, ISSN 0973-0591, vol.13, issue-13, pp.144 to 159, October 2007.
6. Desai, A., Shah, J. and Patil, H., ,(2008) “Co-relationship of “Seismic (EDR) and (PGA) for cable stayed bridge”, *New building materials & construction world NBM & CW*, ISSN 0973-

0591, vol.13, issue-9, pp. 204-221, March 2008.

7. Patel, P., Desai, A., and Desai, J., (2010), "Improvement of shear strength and other properties using innovative triangular shape fibre in concrete", *New building materials & construction world NBM & CW*, ISSN 0973-0591, vol.16, issue-2, pp. 172-176, August 2010.
8. Patel, P. and Desai, A., (2010) "Assessment of reinforced concrete structural elements exposed to high temperature", *International journal of earth sciences & engineering (IJEE)*, ISSN 0974-5904, vol. 03 no. 03, sp. issue, pp. 346-351, may 2010.
9. Maheshwaei, K., Solanki, C. and Desai, A., (2010), "A study on design and cost of flexible pavement in fiber reinforced highly compressible clay", *International journal of applied engineering research*, ISSN 0973-4562, vol. 05, no. 03, pp. 431-439, 2010.
10. Vashi, J., Desai, A. and Solanki, C., (2011) "Study on cohesive soil and fly ash mixture as reinforced earth wall filling material", *New building materials & construction world NBM & CW*, ISSN 0973 - 0591, vol. 16, issue 10, pp. 220-224, April 2011.
11. Naik, N. and Desai, A., (2011) "Effectiveness of piled raft foundation for seismic performance of tall buildings", *New building materials & construction world NBM & CW*, ISSN 0973 - 0591, vol. 17, issue-2, pp. 208-218, august 2011.
12. Dalal, S., Vasanwala, S. and Desai, A., (2011) "Performance based seismic design of structure: A review", *International journal of civil and structural engineering (IJCSE)*, ISSN 0976 - 4399, vol. 1, no.4, pp. 795-803, 2011.
13. Dalal, N., Solanki, C., and Desai, A., (2011) "Low pressure cement grouting to improve bearing capacity of old waste dump site for economical foundations of low cost housing", *New building materials & construction world NBM&CW*, ISSN 0973 - 0591, vol.17, issue-4, pp.190-200, October 2011.
14. Dalal, N., Solanki C., and Desai, A., (2011) "Plate load tests on municipal solid waste dump site to assess ground improvement alternatives", *Journal of environmental science and engineering, USA*, ISSN 1934-8932, pp. 910-914, July 2011.
15. Vashi, J., Desai, M., Desai, A. and Solanki, C., (2011) "Significance of creep compatibility study for geosynthetics in compacted fill", *International journal of earth sciences and engineering*, ISSN 0974-5904, vol. 04, no. 06, SPL, pp. 38-41, October 2011
16. Bajad, M., Modhera, C. and Desai, A., (2011) "Effect of glass on strength of concrete subjected to sulphate attack", *International journal of civil engineering research and development (IJCERD)*, ISSN 2248-9428, vol. 1, no. 2, November 2011
17. Bajad, M., Modhera, C. and Desai, A., (2011) "Studies on workability of concrete containing waste glass powder as pozzolana", *International journal of engineering research and technology*, ISSN 0974-3154, vol. 04, no. 4, pp. 435-442, 2011.
18. Bajad, M., Modhera, C. and Desai, A., (2011) "Density of concrete with waste glass powder as cement replacement", *International journal of engineering research and industry applications (IJERIA)*, ISSN 0974-1518, vol. 04, no. 04, pp. 205-214, November 2011.
19. Bajad, M., Modhera, C. and Desai, A., (2011) "Density of concrete with waste glass powder as cement replacement", *International journal of engineering research and industry applications (IJERIA)*, ISSN 0974-1518, vol. 04, no. 04, pp. 205-214, November 2011.
20. Bajad, M., Modhera, C. and Desai, A., (2012) "A State of the Art Report on Benefits of using Glass Powder as a partial Replacement in Concrete", *International journal of Engineering Studies*, ISSN 0975-6469, vol. 04, No-1, pp. 41-54, 2012.
21. Bajad, M., Modhera, C. and Desai, A. (2012), "Chloride Ion Con-Glass-Crete", *International journal of Civil, Structural, Environmental, Infrastructure Engineering Research and development (IJCSEIERD)*, ISSN 2249-6866, vol. 02, Issue-2, pp. 32-40, June-2012.
22. Bajad, M., Modhera, C. and Desai, A., (2012) "Use of Waste Glass powder as replacement of cement in Concrete- Experimental Study", *New Building Materials & Construction world*, ISSN 0973-0591, vol. 17, Issue-11, pp. 84-88, May-2012.
23. Bajad, M., Modhera, C. and Desai, A., (2012) "Resistance of concrete containing waste glass powder against MgSO<sub>4</sub> Attack", *New Building Materials & Constructuion world*, ISSN 0973-0591, vol. 17, Issue-11, pp. 216-227, May-2012
24. Bajad, M., Modhera, C. and Desai, A., (2012) "An overview on effects of chloride and sulphate attack on the properties of conglasscrete", *Global journal of Engg. & Appl Sciences*, ISSN 2249-2631, vol. 2, Issue-2, pp. 168-172, 2012.
25. Bajad, M., Modhera, C. and Desai, A., (2012) "Investigations in Analysis of Conglasscrete", *International journal of Civil engineering and applications*, ISSN 2249-426X, vol. 02, no. 02, pp.

83-92, 2012.

26. Bajad, M., Modhera, C. and Desai, A., (2012) "High Strength concrete using glass powder", *Journal of structural engineering*, ISSN 0970-0137, vol. 39, Issue-3, pp. 380-383, Aug-Sep 2012.
27. Vashi, J., Desai, A. and Solanki, C., (2011) "Geosynthetics in pavement state of usage and economic feasibility", *Journal of civil engineering and construction review (CE&CR)*, ISSN 0975-9034, pp.108-114, May 2011.
28. Shukla, S., Desai, A. and Solanki, C., (2011) "Behavioural study of piled raft foundation in alluvial deposits of south Gujarat region", *International journal of advanced engineering technology (IJAET)*, ISSN 0976-3945, 2011.
29. Maheshwari, K. and Desai, A. and Solanki, C., (2011) "Performance of fiber reinforced clayey soil", *International journal of geotechnical engineering (IJGE)*, vol. 16, June 2011.
30. Shukla, S., Desai, A. and Solanki, C., (2011) "Behavioural study of piled raft foundation in layered soil deposits", *International journal of advanced engineering technology (IJAET)*, ISSN 0976-3945, August 2011.
31. Vashi, J., Desai, A. and Solanki, C., (2011) "Mixtrue of soil & flyash as RE wall backfill", *Australian geomechanics journals*, ISSN 0818-9110, vol. 46, no.4, pp. 103-106, 2011.
32. Vashi, J., Desai, A. and Solanki, C., (2011) "Review on factors considered & rarely considered in design of earth retaining structures", *world applied science journal (WASJ)*, ISSN 1818-4952, vol. 14, no.1, pp. 114-120, 2011.
33. Vashi, J., Desai, A. and Solanki, C., (2011) "Creep Compatibility Study for Geo-synthetics in Compacted Fill", *International journal of advanced engineering technology (IJAET)*, ISSN 0976-7916, vol. II, issue IV, 2011.
34. Gohil, D., Desai, A. and Solanki, C. (2012), "Numerical model for earthquake wave energy flow and distribution", *Global journal of engineering & applied sciences (GJEAS)*, ISSN 2249-2623, vol.2, issue-1, 2012.
35. Vashi, J., Desai, A. and Solanki, C., (2012) "Assessment of reinforced embankment on soft soil with PET and PP geotextile", *International journal of civil and structural engineering*, ISSN 0976-4399, vol. II, no.03,pp. 819-828, 2012.
36. Tandel, Y., Solanki, C., Desai, A., (2012)"Numerical modeling of encapsulated stone column-reinforced ground", *International journal of civil, structural, environment and infrastructure engineering research and development (IJCSEIERD)*, ISSN 2249-6866, vol. II, issue 1, pp. 82-96, March 2012
37. Tandel, Y., Solanki, C., Desai, A., (2012) "Reinforced granular column for deep soil stabilization" A review", *International journal of civil and structural engineering*, ISSN 0976-4399, vol. II, no. 03, pp. 711-721, 2012.
38. Tandel, Y., Solanki, C., Desai, A., (2012) "Reinforced stone column: Remedial of ordinary stone column", *International journal of advances in engineering and technology (IJAET)*, ISSN 2231-1963, vol.3, issue 2, pp. 340-348, May 2012
39. Bajad, M., Modhera C., Desai, A., (2012) "Chloride Ion in CON-GLASS- CRETE", *International journal of civil structural environment and infrastructure engineering research and development (IJCSEIERD)*, ISSN 2249-6866, vol. 2, issue 2, pp. 32-40, July- June 2012.
40. Ardeshana, A., Desai, A., (2012) "Durability of fiber reinforced concrete of marine structures", *International journal of engineering research and application (IJERA)*, ISSN 2248-9622, vol. 2, issue 4, pp. 215-219, July-August 2012.
41. Bajad, M., Modhera, C. and Desai, A., (2011) "Influence of a fine glass powder on strength of concrete subjected to chloride attack", *International journal of civil engineering and Technology (IJCIET)* , ISSN 0976-6308(Print), ISSN 0976-6316(Online)vol.2, Issue 2,pp. 01-12 May-July 2011
42. Dalal, N., Solanki, C. and Desai, A. (2011), "Cement Grouting: An alternative ground improvement technique for municipal waste dump site", *World of applied Science journal*. ISSN: 1818 - 4952.
43. Dalal, N., Solanki, C. and Desai, A. (2010), "Plate load tests on municipal soild waste dump site to assess ground improvement alternatives", *Journal of Environmental Science and Engineering*, 5(2011) 381-387.
44. Gohil D, Solanki C, Desai A (2011), "Evaluation of the interactive forces and the moment for the soil-geosynthetic-foundation-building system under earthquake loading", *EJGE*, Vol, Bund C.

45. Maheshwari K, Desai A, Solanki C, (2013) "Bearing Capacity of fiber reinforced soil" International journal of civil engineering and technology( IJCIET), ISSN -0976-06308(print) ISSN-0976-06316 online, vol-4 issue-1,pp159-164, jan-feb 2013
46. Patel O , Desai A (2012) "Influence of different types of fibers on strength properties of normal concrete" International journal of engineering research and industrial applications(IJERIA), ISSN-0974-1518 vol -5, No. - IV – PP97-107, nov- 2012
47. Dala N, Solanki C, Desai A (2011) " Cement grouting an alternative ground improvement technique for municipal waste dump site" World applied science journal , ISSN 1818-4952, journal 12(8), PP1240-1244,2011
48. Dalal S, S.A. vasanwala, A.K.Desai(2012) "Comparision of elastic design and performance based plastic design method based on the inelastic analysis using SAP 2000" IJ of computer applications, ISSN-0975-8887, vol 45, No -09, May 2012 .
49. M.N.Bajad,Dr. C.D. Modhera, Dr. A. K. Desai, (2013) " Review on corrosion inhibitors in concrete" IVBM-CW, ISSN 0973-0591, Vol -18 issue -10, April 2013.
50. Dalal S.P., S. A. Vasanwala, A. K. Desai(2012) " Applying performance based plastic design method to steel moment resisting frame in accordance with the Indian standard code"; ITET, ISSN 2049-3444. Volume -2, No -3, Mar 2012
51. Dalal S.P., S. A. Vasanwala, A. K. Desai(2012) " Comparative evaluation of elastic design and performance based plastic design method for a steel moment resisting frame "; IJCSEIERD, ISSN 2249-6866, vol -2, issue – 3, Sept -2012.
52. P. A. Patel, J.A. Desai, A.K. Desai, (2012) "Evaluation of RC and SFRC exterior beam- column joint under cyclic loading for reduction in lateral reinforcement of the joint design, Magazine of concrete research,Vol-65, issue-7, December 2012
53. Deepam Patel, Atul K Desai, (2013) " Comparative study of concrete filled steel tube structure with traditional reinforced concrete and steel structure" International journal of civil engineering and application vol - 3 no 2 ,2013
54. Jigisha M. Vashi, Atul K. Desai, Chandresh H. Solanki (2013)"*Analysis of Geotextile Reinforced Embankment on Difficult Subsoil Condition*" International Journal of Scientific & Engineering Research Volume 4, Issue May-2013ISSN 2229-5518
55. Jigar K. Sevalia, Atul K. Desai and S. A. Vasanwala (2013) "Effect of Temperature on Wind Forces on Tall Building using Numerical Approach - Computational Fluid Dynamics (CFD)" International Journal of Current Engineering and Technology (Aug -2013) ISSN 2277 – 4106.
56. Jigisha M. Vashi, Atul K. Desai, Chandresh H. Solanki (2011)"Mixture of soil and fly ash reinforced earth wall back fill" Australian geomechanics vol 46 no 4 December 2011
57. Jigisha M. Vashi , Atul K. Desai, Chandresh H. Solanki (2012) "*Assessment of reinforced embankment on soft soil with PET and PP Geotextile*" International Journal Of Civil And Structural Engineering,Volume 2, No 3, 2012
58. Jigisha M. Vashi, Atul K. Desai, Chandresh H. Solanki (2013)"*Evaluation of PET and PP geotextile reinforced embankment on soft soil*" Elsevier(2013 ) 19 – 24
59. M.N.Bajad,Dr. C.D. Modhera, Dr. A. K. Desai, (2011) " Influence of a fine glass powder on strength of concrete subjected to chloride attack" International journal of civil engineering and technology ( ISJCIET) may-july 2011. ISSN 0976-6316 vol 2
60. Dr. Atul k desai , Smit A desai(2011) " Seismic time history analysis of cable stayed bridge considering different geometrical configuration of near field earthquakes" NUICONE-2011
61. Uma Chaduvula, Dr. A. K. Desai,C. H. Solanki (2013) "Effect of polypropylene fibre reinforcement on soil subjected to freeze thaw resistance" International journal of civil engineering and Applications ( IJCEA) vol -3 number 5 2013
62. Jigisha M. Vashi, Atul K. Desai and Chandresh H. Solanki (2013)"Behavior of geotextile reinforced flyash + clay-mix by laboratory evaluation" Geomechanics and Engineering, Vol. 5, No. 4 (2013) 331-342
63. Gohil D.P., Dr. C.H. Solanki, Dr. A.K. Desai (2013) "*Performance of Shallow Foundation for Building Constructed on Geogrid Improved Ground Subjected to Earthquake Forces*" International Journal of Emerging Technology and Advanced Engineering(ISSN 2250–2459, Volume 3, Issue 10, October 2013)
64. Jayesh a dalal dr. atul k desai(2014) " Innovative exterior lattice shell tube buildings subjected to wind and seismic loading" New building materials and construction world January 2014 ISSN 0973-059

65. Shukla, S., Desai, A. and Solanki, C., (2014) " A dynamic Behavioral study of structure with piled raft foundation by time history finite element model", *International journal of advanced engineering technology (IJAET)*, vol-3 issue 3 ISSN 2319-8354, 2014
66. Yogendra K Tandel, chandresh H solanki, atul k desai: (2014) "*field behavior geotextile reinforced column*" *Geomechanics and engineering* vol 6 no 2 2014(195-211) ISSN2005-307X
67. Yogendra K Tandel, chandresh H solanki, atul k desai: (2013) "*3D fe analysis of an embakement construction on GRSC and proposal of a design method*".Hindwai publishing corporation ISRN civil engineering vol 2013
68. Hemal J shah , Dr. Atul K desai (2013) " Seismic analysis of tv tower considering different bracing systems" *international journal of buiseness application and enterprices* ISSN online 2279-00396 print 2279-0020
69. Jigar K. Sevalia, Atul K. Desai and S. A. Vasawala(2014) "Study on Effect of Set Back Corner of Plan Shape of Tall Building on Wind Force Coefficient using CFD" in *International Journal of Dynamics of Fluids*, Volume 10, Number 1 (2014), pp. 1-10.
70. Jigar K. Sevalia, Atul K. Desai and S. A. Vasawala(2014) "Effect of Aerodynamic Modification of Plan Shape of Tall Building on Wind Force Coefficient using CFD" in *International Journal of Applied Engineering Research* in Volume 9, Number 4 (2014) pp. 495-513
71. Jigar K. Sevalia, Atul K. Desai and S. A. Vasawala(2014) " A Wind Tunnel Experiment for Evaluation of Wind Pressure on Surfaces of Bluff Body" in *International Journal of Applied Engineering Research* in Volume 7, Number 3 (2012) pp. 293-301
72. Jigar K. Sevalia, Atul K. Desai and S. A. Vasawala(2014) "*Effect of Geometric Plan Configuration of Tall Building on Wind Force Coefficient using CFD*" *International Journal of Advanced Engineering Research and Studies*, Volume I, Issue II, March 2012, Pgs. 127-130.
73. Jigar K. Sevalia, Atul K. Desai and S. A. Vasawala (2014) " Numerical Evaluation of Wind Pressure on Surfaces of Bluff Body" in *International Journal of Engineering Research and Application (IJERA)* in Vol. 2, Issue 1,Jan-Feb 2012, pp.740-746.
74. Minakshi Vaghani, Dr. S.A. Vasawala, Dr. A.K. Desai(2014) " *Stainless Steel As A Structural Material: State Of Review*" *International Journal of Engineering Research and Applications* ISSN : 2248-9622, Vol. 4, Issue 3( Version 1), March 2014, pp.657-662
75. Minakshi Vaghani, Dr. S.A. Vasawala, Dr. A.K. Desai (2014) "*Advanced Retrofitting Techniques for RC Building: A State of an Art Review*" *International Journal of Current Engineering and Technology*-ISSN 2277 – 4106, P-ISSN 2347 – 5161.
76. Maheshwari, K. and Desai, A. and Solanki, C(2013) "*effect of polyester fibers on strength properties of clayey soil of high plasticity*" *International journal of scientific engineering and research*, volume 4 issue 6 June 2013
77. P. A. Patel, J.A. Desai, A.K. Desai (2011)"*Evaluation of engineering properties for polypropylene fibre reinforced concrete*" *Interational journal of advanced engineering technology* 2011 vol 2 issue 3
78. P. A. Patel, J.A. Desai, A.K. Desai(2012) "A comparative study on mechanical properties of fiber based concrete using synthetic based fibers" *International journal of applied engineering research (IJAER)* 2012 vol 4 issue 4
79. P. A. Patel, J.A. Desai, A.K. Desai(2012) " *An investigation on properties of various fibre reinforced concretes*" *international journal on advanced engineering research and studies(IJAERS)* 2012 vol.4 issue4
80. P. A. Patel, J.A. Desai, A.K. Desai (2012) "*Up gradation of non-ductile reinforced concrete beam column connections using fibre*" *international journal of civil engineering and technology (IJCET)* 2012 vol.3 issue2
81. P. A. Patel, J.A. Desai, A.K. Desai (2012) "*Influence of different type of fibres on strength properties of normal concrete*" *international journal of engineering research and industrial applications (IJERIA)* 2012 vol.5 no.4
82. P. A. Patel, J.A. Desai, A.K. Desai (2014) " *evaluation of RC and SFRC exterior beam column joint under cyclic loading for reduction in lateral reinforcement of joint region*" *magazine of concrete research* vol.65 thomas telford
83. Dipali P. Doshi, Atul K. Desai, Chandresh H. Solanki (2014) "*Innovative Techniques of micropiles for embankment foundation*" *International Journal of Engineering Research and Development* e-ISSN: 2278-067X, p-ISSN: 2278-800X, Volume 9, Issue 9 (January 2014), PP. 01-03
84. Atul K. Desai, Minakshi V. Vaghani and Sandip A. Vasawala(2014) "*Study of RC Beam Column Connections Subjected to Cyclic Loading*"*International Journal of Structural Engineering and*

## Mechanics

85. Minakhi vagahni, Atul k desai (2014) " Damage pattern of RC beam *Column Connections Subjected to Cyclic Loading*" new building materials and construction world vol20 issue 2 august -2014 ISSN 0973-0591
86. Atul K. Desai, (2014) "Investigation into cable structure inter action for extradosed bridges"International Journal of Engineering research and technology vol 3 issue 4 july august 2013 ISSN 2248-9622
87. Atul K. Desai, Jigar K. Sevalia, Sandip A. Vasanwala (2014), "Wind Interference Effect on Tall Building", in International Journal of Civil, Architectural, Structural and Construction Engineering Vol:8 No:6, Pgs. 649-655.
88. Jigar K. Sevalia, Atul K. Desai and S. A. Vasanwala (2013) "*Effect of Temperature on Wind Forces on Tall Building using Numerical Approach –Computational Fluid Dynamics (CFD)*" in International Journal of Current Engineering and Technology, Impressco, Haryana
89. Jigar K. Sevalia, Atul K. Desai and S. A. Vasanwala (2012) "*Effect of Geometric Plan Configuration of Tall Building on Wind Force Coefficient using CFD*" in International Journal of Advanced Engineering Research and Studies, Volume I, Issue II, March 2012, Pgs. 127-130
90. Jigar K. Sevalia, Atul K. Desai and S. A. Vasanwala (2014) "*Effect of Aerodynamic Modification of Plan Shape of Tall Building on Wind Force Coefficient using CFD*" in International Journal of Applied Engineering Research in Volume 9, Number 4 (2014) pp. 495-513
91. Atul K desai, Ghanshyam savaliya (2013) " *Effect of cable stays configuration on the behavior of long span cable stayed bridges*" the IUP journal of structural engineering vol. VI no.1 2013 page 7-16 ISSN0974-6528
92. Atul K desai, Ghanshyam savaliya (2012) " *The effects of side span supports on behavior of long span cable stayed bridges*" IJTET sep 2012,vol 1, issue 3 page 1-6 ISSN 2278-621X
93. Atul K desai, Ghanshyam savaliya (2012) "*Analysis of differently configured cable stayed bridge and its validation*" IJER&T ,ISSN:2278-0181 vol2 issue 7, page 1741-1745
94. Dalal S P, Vasanwala S A , DESAI A K: 2012, "comparision of steel moment resisting frame designed by elastic design and performance based plastic designmethod based on the inelastic response analysis" in international journal of civil and structural engineering volume 2 NO. 4, PP, 1083 -1099 DOI 10.6088/IJCSE 0.00202040007, ISSN-0976-4399.
95. Dalal S P, Vasanwala S A, Desai A K: 2013, "The performance evaluation of ordinary moment resisting frames designed using performance plastic design and limit state design" in international journal of structural engineering , Geneva.
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45. Dalal, J., A., Desai, A., (2012), "Analysis Of Latticed Shell Tube And R.C.C Frame + Shear Wall Structures Under Wind And Earthquake Loading", Structural Engineering Convention (SEC-12), SVNIT, Surat, 19-21 December.
46. Sevalia, J, K, Desai, A., Vasanwala, S, A, (2012), "Comparative Study Of Wind Flow Effect On Tall Building Using Computational Fluid Dynamics (CFD)", Structural Engineering Convention (SEC-12), SVNIT, Surat, 19-21 December.
47. Jigar K. Sevalia, Atul K. Desai and S. A. Vasanwala (2012) "Comparative Study of Wind Flow Effect on Tall Building Using Computational Fluid Dynamics (CFD)" Structural Engineering Convention (SEC-12), SVNIT, Surat, 19-21 December.
48. Dalal, N., Solanki, C. and Desai, A. (2010), "Engineering Properties of Municipal Solid Waste Landfill Site: An Overview", National Level Conference on Current Trends of Research and Development in Civil and Environmental Engineering: An Indian Perspective (CRDCE 10), 21st and 22nd January 2010 at SVIT, Vasad.
49. Dalal, N., Solanki, C. and Desai, A. (2010), "Pilot Studies for feasibility of Open waste dump site to improve the bearing capacity for low cost housing.", Indian Geotechnical Conference'10, IITB December 2010.
50. Dalal, N., Solanki, C. and Desai, A. (2011), "Geosynthetics used as a ground improvement technique for the municipal solid waste landfill site", Advances in Geotechnical Engineering (AGE), 8-9 Oct, 2011, SVNIT, Surat.
51. Dalal, N., Solanki, C. and Desai, A, Desai M. D, (2010), "Pilot study to improve bearing capacity of open dump waste site for low rise housing", India Geotechnical Conference – 2010, GEOTrendz, December 16-18,2010
52. Dalal, N., Solanki, C. and Desai, A. (2011), "State of the art review on Seismic behavior and field performance of cover and liner system of solid waste. landfills.", BITS Pilani, India ,ACSGE-2009, October 25-27, BITS Pilani, India
53. Dalal S.P. , S.A. vasanwala, A.K.Desai, (2010) " Base isolation , An overview"CRDE, SVIT, Vasad, January-2010.
54. Dr. A. K. Desai (2013) " Reinforced earth embakement with fly ash back fill"2ndNational seminar on use of fly ash in construction, AMD, SVNIT, Surat, june 2013.

55. Uma Chaduvula, Dr. A. K. desai, Dr. C. H. Solanki, (2013) " Application of triangular polypropylene fibers on soil subjected to freeze thaw cycles "National Seminar on advances in Geotechnical engineering , SVNIT, Surat, June 2013
56. K. V. Maheshwari, Dr. A. K. desai, Dr. C. H. Solanki, (2013) " Inovative ground improvement method for road construction" National Seminar on advances in Geotechnical engineering , SVNIT, Surat, June 2013
57. Gohil D. P., Dr. A. K. desai, Dr. C. H. Solanki, (2013) " Shear stress response under shallow foundation rest on reinforced soil against seismic loading" National Seminar on advances in Geotechnical engineering , SVNIT, Surat, June 2013
58. Doshi D. P, Dr. A. K. desai, Dr. C. H. Solanki, (2013) " Inovative technique of micro piles for embakement foundation " National Seminar on advances in Geotechnical engineering , SVNIT, Surat, June 2013
59. Yogendra K Tandel, chandresh H solanki, atul k desai: (2011) " Recent advance in stone column techniques" National conference on recent advances in ground improvement techniques february 24-25 2011 CBRI roorkee India
60. Yogendra K Tandel, chandresh H solanki, atul k desai(2011): "Study on recent development in stone column" National seminar on advances in geotechnical engineering 8-9 oct 2011 IGS surat
61. Bhavinpatel, atul k desai (2014) "Experimantelly optimization of aggregate gradation combination for self-compacting concrete" National conference on trends and challenges in civil engineering and todays transforming world" S.N. patel institute of technology, umrakh 29 mar 2014
62. Maheshwari, K. and Desai, A. and Solanki, C(2011) "Application and modeling of Fibrereinforced soil " Indian geotechnical conference 2011 kochikerla dec 2011
63. Maheshwari, K. and Desai, A. and Solanki, C(2011) " Actual full scale load test on Fibre reinforced clayey soil" National conference on recent advances in ground improvement techniques CBRI roorkeefeb 2011.
64. Maheshwari, K. and Desai, A. and Solanki, C (2009) " fibre reinforced earth for Canal lining" national seminar on advances in geotechnical engineering surat ,oct2011
65. Desai Atul K (2014) "Short term training program on national board of Accreditation" Sardar valabhbhai national institute of technology" 20 may To 22 may 2014
66. Desai Atul K. Solanki C.H and Jitesh chavda(2014) " Study on behavior of diaphragan used as retention system for deep excavations" Indian geotechnical conference IGC-2014 December 18-20,2014, Kankinada India.
67. Desai Atul K. (2014) "reinforced earth embankment with fly ash backfill" at use of flyash in construction 2nd national seminar at SVNIT, surat.
68. Desai Atul K. (2014) "100 resilient cities workshop" by surat Municipal Corporation on 06/09/2014 at, surat.
69. Desai Atul K. (2014) "Good Governance Training" by Dr. Sone At SVNIT surat on 09/09/2014
70. Gohil D.P , solanki C.H and Desai A. K (2013). " Shear stress response under shallow foundation rest on reinforced soil against seismic loading" AGE 2013 at SVNIT, surat
71. Uma Chaduvula and Desai A. K. (2013) " Application of triangular polypropylene fibers on soil subjected to freeze thaw cycles" AGE 2013 at SVNIT, surat
72. K.V. Maheshwari , solanki C.H and and Desai A. K. (2013) " Innovative ground improvement method for road construction" AGE 2013 at SVNIT, surat
73. Doshi D.P , solanki C.H and and Desai A. K. (2013) " Inovative Technics of micropile for embakement foundation " AGE 2013 at SVNIT, surat.
74. Desai Atul k (2014) "Experimentally optimization of aggregate gradation combination for self compacting concrete" national conference on trends and challenges of civil engineering in todays transforming world at S.N.Patel institute of technology, umrakh 29/03/2014
74. Jigar K. Sevalia, Atul K. Desai and S. A. Vasanwala (2011) "Dynamic Analysis and Performance of Tall Stack Like Structure" at 2nd International Conference on "Current Trends in Technology" organized by Institute of Technology, Nirma University, Ahmedabad during 8th - 10th December, 2011.



75. Dalal S P, vasanwala S A, Desai A K: 2012," design of steel moment resisting frame in accordance with the is 800:2007 code using the performance based plastic design method " in proceedings of national conference –sec"2012-svnit, surat, gujrat, india.
76. Chavda Jitesh, Solanki. C. H., Desai. A. K "physical and numerical study on behaviour of pile wall retention system for deep excavations"
77. Lamba .K, Desai. A. K, Kumar .S "Dynamic response of Turbo Machine Frame Foundations on soil modeled by Approximate Methods" Dec 18-20 IGC-2014, Kakinada, India.
78. Chavda, J.T., Solanki, C.H., Desai. A. K, "Study on behaviour of Diaphragm wall used as Retention system for deep Excavations". Dec 18-20 IGC-2014, Kakinada, India.
79. Seismic analysis of building of sloping ground, Nilesh Mevawala., Dr. Atul K desai, RACE,SVNIT,Surat
80. Modal analysis of innovative cable supported bridge Tripathi Rohit, Dr. A.K. Desai, RACE,SVNIT,Surat
81. Parametric study of spire for seismic and wind loading Dipak D Gaikwad., A.K. Desai, RACE,SVNIT,Surat
82. Application of synthetic aperature radar (sar) data in the evaluation of volumetric settlement Rao P; A.K. Desai; C.H.Solanki, RACE,SVNIT,Surat
83. A state-of-the-art paper of study on computational analysis of blast effects exploiting two-way fluid structure interaction Deepam Patel, Atul Desai and Mayank Desai, RACE,SVNIT,Surat
84. Seismic time history analysis of tall tower considering soil structure interaction Hemal j shah, Dr. Atul K Desai, RACE,SVNIT,Surat
85. Dynamic behavior of turbo machine foundation with different thickness of raft Mrs. Tripathy S.1, Dr. A.K. Desai, RACE,SVNIT,Surat
86. A Review on Roller Compacted Concrete and its Application Pramod Keshav Kolase, Atul K. Desai, RACE,SVNIT,Surat
87. Transient respionse of RCC building subjected to blast loading Shukla P. J., Desai A. K. And Modhera C. D., RACE,SVNIT,Surat

#### **ATTENDED CONFERENCES / WORKSHOPS / SEMINARS ETC.**

- ISTE summer school, "CAD in structural engineering" in Surat, dt.17-30 July 1993
- Training by Dr. "Good goverance"by Dr.Sohne at SVNIT.dt.9-9-1994.
- ISTE,Surat, "Industry Institute Partnership", dt.2-10 March 1995
- ISTE,Surat, "Guidance & Cancelling", Surat, dt.11 November 1995
- ISTE,Surat, "REC Goals & Objectives", dt.13 February 1995 .
- ISTE Surat, "Induction of engineering college teachers", dt.16 December 1995
- SSCEM-96, "Seminar on stress-strain characteristics of Engineering & Geo-materials", Baroda, dt.2-3 February 1996 .
- ISTE Surat, "Institute Planning & Management", dt.17-21 February 1997
- Workshop at Surat, "Internet fundamentals & applications", dt.08 February 1997
- AICTE/ISTES summer school, "TQM in Technical Education", at Surat, dt.30 June- 04 July 1997
- IISC Bangalore Deputed by college Workshop, "Intellectual Property Law & Practice", dt.20 July- 01 August 1997

- ICEA & SVRCET Surat, "Workshop on Man & Environment (Vastushastra)", dt.18 April 1998
- Surat Municipal Corporation , " Invitation for Participate in 100 Resilient Cities workshop in surat", dt.20 August 2014.
- ISTE SVRCET Surat, "Training programme on Basic Management skill Development", dt.28-30 December 1999 .
- IVVRF, "VASTU Panorama-2000 International conference, Indore, dt.10-14 February 2000
- SMS & CEPT, "Post Earthquake Handling in Gujarat", Surat
- VVRF Surat, "Vastu Convention-National Conference", dt.01-02 June 2002
- VVRF Surat, "Vastu Convention-National Conference", dt.01-02 June 2002
- Bhavnagar University Bhavnagar, "Intellectual Property Rights and Patent Act", Nov 2003
- ICEA Seminar on, "TOR Steel Surat chapter at Holiday Inn, Surat, dt.14 April 2003
- Conference, "On fibre reinforcement concrete Application of fibre as secondary reinforcement in concrete", Mumbai, dt.23-24 August 2004
- ICEA Surat, "STAAD Pro. Software Application", dt.27 February 2005
- TEQIP Programme, "SAP-2000 & ETABS Software Training", at Hotel Taj, Mumbai, dt.22-23 April 2005
- INSTRUCT, "Non Destructive Testing", Bangalore, dt.07-08 July 2006
- NCRASE 2006, "Advance in Structural Engineering", Kakinada, dt.11-12 February 2006
- 8th International Conference 2006, "Steel space & Composite Structure", Kuala Lumpur, Malaysia, dt.14-18 June 2006
- ERP solution, "The complete construction ERP solution", SVNIT, Surat, dt.06 September 2007
- Equate training, "Management Capacity Development Program for future Managers", SVNIT, Surat, dt.08-04 February 2008
- EERP Regional Programme, "Regional Conference on Earthquake Risk Reduction in Pre and Post Disaster Situation", India International Center, New Delhi, dt.29-30 July 2009
- WSRR-2009, "National workshop on Rehabilitation and Retrofitting of Structures", dt.28 September 2009
- Workshop on, "Private Sector Partnership in affordable housing", in SMC, dt.09 September 2009
- Confederation of Indian Industry (CII), "Workshop on Intellectual Property Rights (IPR)", Ahmedabad, dt.10-11 May 2009
- ICBEE 2010, "2nd International Conference on Chemical, Biological and Environmental engineering", Cairo, Egypt, dt.02-04 November 2010
- UKIERI-IIT Delhi, "International Conference on concrete technology", UKIERI IIT, Delhi, dt.14-16 March 2011
- Gujarat State Disaster Management Authority (GSDMA), "International Conference on Earthquake Engineering", Gandhinagar, dt.08-10 April 2011
- Wessex Institute of Technology, Disaster Management and Human Health Risk II, (DMAN 2011), Orlando, Florida, USA. dt.11-13 May 2011
- Surat Municipal Corporation, "World Business Council for Sustainable Development team meets", dt.06 July 2011

- Nagpur Municipal Corporation, One day Workshop on “Concrete Pavement to City Roads”, at Nagpur, dt.06 August 2011
- The Institution of Engineers (Gujarat State Centre), “All India Seminar on Geosynthetics – Innovative and Environmentally Sustainable Solution for Civil Engineering”, dt.27-28 December 2011
- “Acreditation workshop” at SVNIT. Surat on 20-22 may 2014

### CONFERENCES AND STTP'S ORGANIZED

#### 1. National Conferences

Name	Co-Ordinator	Period	
		From	To
National Conference Vastu Convention 2002	Prof Atul k Desai	1/06/2002	2/06/2002
National Seminar on Geotechnical Investigations & Case studies (GICS – 10)	Dr. CH Solanki,		

#### 2. STTP's Organized

Wind Energy Technology	Dr. B. K. Samtani, Dr. Atul K. Desai, Dr. J. Banerjee, Prof. S. M. Modhera	19/01/2 009	23/01/2 009
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### Ph. D. THESIS:(ongoing)

1. DipaliDoshi, “Micro pile foundations”(Dec 2010)
2. Sungyani Tripathy (Analysis of TG Foundation using SAP2000) (July2014)
3. Pramod Kolase (Study of Roller Compacted Pavement Quality Concrete (PQC )For Rigid Pavement) (Full Time)
4. Gabra Jaswant singh” seismic effect on hybrid cable suspension bridge with effect of SSI”

5. Alpesh Pandya”Innovation technique of soil exploration”.
6. Pooja Rao” vibrating effects of high speed train”
7. Vrunda Agarkar”Tornado effect of tallbuildings using CFD
8. Hemal Shah”Hybrid wind mill turbine foundation considering FRP”
9. Palak Shukla”Blast effect on Cablestorey Bridge.”
10. Deepam Patel”Computational Blast mitigation strategies analysis exploiting fluid-structure interaction”.

**Ph. D. THESIS: (Completed)**

1. Kalpana Maheswari, *“Experimental and numerical study on polyster fibre reinforced clayey soil”* (2013)
2. Priti Patel, *“Strength and Ductility Enhancement of RC Bream-Column Joints Using FRC”* (2007)
3. Jigisha Vashi, *“Feasibility study of geotextile reinforced embakement on difficult foundation as an alternative to reinforced wall in Indian environment”* (July 2009)
4. Tandel Yogendra, *“A study of behavior of reinforced stone column for ground improvement”* (July 2009)
5. Divya Gohil, *“Performance of shallow building foundation constructed on geogrid improved ground subjected to earthquake forces”* (2014)
6. Jigar Sevalia , *“Nuemrical study on wind induced mean drag forces on tall buildings”* ( 2014)
7. Sejal purvang Dalal *“Performance based plastic design of moment resisting frames using the proposed inelastic design spectra”*(2015)
8. Mohankumar Namdeorao Bajad *“Effects of Chloride And Sulphate Attack On The Properties Of Conglasscrete”*.(2014)
9. Nehal Dalal ,*“Redevelopment of Municipal Solid Waste Landfill Site”*(Synopsis Submitted) (2008)
10. Ghanshyam Savaliya,*“Analysis of Hybrid Cable-stayed Suspension Bridge July”*(2009) (Thesis Submitted)
11. Shruti Vaidya,*“Pile - raft foundation with variable subsoil’s for high rise buildings”*(July 2009)
12. Minakshi V. Vaghani, Upgradation of Gravity Load Designed RC Beam Column

Connections using SS Plates subjected to cyclic loading.

13. Mandar Sardesai, Dynamic Analysis of Extradosed cable Stayed Bridges and correlation between ground acceleration and structural displacements for predicting Dynamic response of structure.
14. Bhavin Patel, "Fracture and Size effect studies on plain and fiber reinforced self-compacting concrete using digital image correlation technique.

#### **SUPERVISION OF M. TECH & M.E. THESIS:**

1. Amar Shethna, "Earthquake Analysis of Building Configuration" (1992)
2. J.G.Patel, "Foundation for Impact-Type of Machine (Hammer Foundation) for M.E. (SMFE)" (1992)
2. Mr. Padaya, "Study On Various Type of Wind Profiles For B'ldg. M.E.(Struct.) " (1993)
3. Mr. Rao, "Three Dimensional Analysis Of "Spatial Structure for M.E. (Struct)" (1993)
4. Mr. Solanki, "Computer Programming for Block Type Machine Foundation for M.E. (SMFE)" (1994)
5. Mr. Goklani, "Computer Aided Dynamic Analysis of Tall T.V. Tower for M.E. (Struct.)" (1995)
6. Mr. Dobaria, "Dynamic Analysis of Tall Stack Structure & Wind Effect for M.E (Struct.)" (1998)
7. Bina Sheth, "R.C.C. Deep Beams With & Without Web Opening -A Computer Aided Approach for M.E. (Struct.)" (1996)
8. Alpa Kania, "Static & Equivalent Dynamic Analysis Of Stack Like Structure- CAD Approach. for M.E.(Struct.)" (1997)
9. Vaishali Patel, "C.A.D. for Beams on Elastic Foundation for M.E. (Struct.)" (1998)
10. Yogesh Patil, "Study On Fire Resistance Concrete for M.E. (Struct.)" (1998)
11. Priti Patel, "Effect Of fire On R.C.C. for M.E. (Struct.)" (1999)
12. Mr. Bhagat, "Reduction in Cement Content for Various Grade of Content for M.E. (Struct.)" (2000)
13. Dipali Desai, "Effect Of Different W/C Ratio On Strength Of Concrete At Elevated Temperature for M.E.(Struct.)" (2000)
14. Mr. Jigar Sevalia, "Turbo-Machine Frame Foundation – A Parametric Study (By Developing Software)" (2001)
15. Mr. Hemant Aahir, "Ductile Detailing & Comparative Study of Old & New Earthquake 1893 Code" (2002)
16. Sapna Naik, "Finite Element Analysis Of Earthquake Proof Low Cost Housing" (2002)
17. Mr. Smit Thakar, "Retrofitting Of R.C.C. Frame Structure" (2003)
18. Mr. Kamlesh Mehta, "Experimental Study on Various Types of Retro fitting Methods for Crack & Uncrack Section of R.C Element" (2003)
19. Hetal Parmar, "Design of Composite Bridge Using CAD Approach" (2003)
20. Mr. Milind Mahajan, "Experimental Study on Fiber Reinforced High Performance Beam Column Joint" (2004)
21. Ms. Dhavani Desai, "Dynamic Analysis of Simple Structure for Various Types of

- Pulse Loading" (2004)
22. Mr. Pinak Desai, "Parametric Study and Design of Environmental Structure – A Case Study of Clarifier" (2004)
  23. Swapnil Kolwankar, "Earthquake Analysis of Tall Building" (2005)
  24. Doris Mehta, "Seismic Analysis of Structures Using Time History Analysis" (2006)
  25. Vimal singh Rahevar, " Seismic Analysis of hyperbolic cooling tower" (2007)
  26. Chintan Pathak, "Static analysis of Cooling Tower" (2008)
  27. Ketan Patel, "Dynamic analysis of Cooling Tower" (2008)
  28. Vijay Lad, "Study of structural behavior of vertical axis wind turbine" (2008)
  29. Stavan Lakhdharia, "Study of Box-girders in Precast Segmental Concrete Balanced Cantilever Bridges" (2009)
  30. Amisha Radadiya, "Comparative Study of PSC Box-girder and I-girder for Bridges" (2009)
  31. Snajay Ahir, "Pile Raft foundation in layered soil" (2010)
  32. Ankit Shah, "Pile Raft with static loadings" (2010)
  33. Nilay Naik, "Performance of Piled-Raft foundation for tall building subjected to earthquake loading" (2010)
  34. Dinesh Sen, "Analysis of building on sloping ground considering seismic forces" (2010)
  35. Digant Lad, "Comparative study of Ordinary Concrete and Fiber Reinforced Concrete Building" (2010)
  36. Mr. Nimesh Toppil, "Design of Prestressed Bridge considering lateral forces" (2010)
  37. Rakesh Parmar, "Dynamic Behaviour of Pile Supported Machine Foundations" (2011)
  38. Chintan Mistry, "Study of different Configuration of Gabion Retaining wall", (2011)
  39. Ramesh Shingala, "Dynamic Analysis & parametric study of transmission line tower using SAP 2009" (2011)
  40. Savaliya Mahesh, "Parametric Study of Wind Turbine Foundation on different Soil using SAP 2000 (v14) software" (2011)
  41. Kanika Lamba, "Parametric Study of Turbo Machine Frame Foundation on different Soils" (2011)
  42. Patel Pareshkumar, "Reinforced Earth retaining walls" (2011)
  43. Amrutlal Laxmidas, "Durability Aspects of Fibre reinforced concrete" (2012)
  44. Jayesh Dalal, "Analysis of complex structural design considering different position of shear wall" (2013)
  45. Rampariya Anand R., "Seismic Response Parametric Study of Nuclear Reactors Containment Structure" (2012)
  46. Kharade Amit S., "The Effect of Tsunami Driven Debris Impact on RCC Buildings near Tsunami-prone Coastlines in India" (2012)
  48. Vannak Ammar, "Analysis of sky-pod structures: A Parametric study" (2012)
  49. Bhoi Akshaykumar, " Effect of Tsunami and Earthquake on RCC Frame structure near coastline " (2012)
  50. Kinjal Shah, "Application of polyester fibers on stability of slope" (2012)
  51. Desai Japit, "Analysis of Plaza type muti-storied building" (2013)
  52. Uma, "Effect of low temperature on fiber reinforced soil" (2013)
  53. Shah H. J., "Dynamic analysis of tall TV tower" (2013)
  54. Deepam patel, "Comparative study of reinforced concrete filled steel tube building frame with traditional reinforced concrete building frame (2013)

55. Jitesh chavda "Analysis of micro piles for deep excavations" (2014)
56. Ganesh "Load analysis of tall asymmetric building" (2014)
57. Rajan " Development of new cold formed steel building system" (2014)
58. Christie josh "Soil Structure interaction for tall buildings" (ongoing)
59. Jyul Bardoliwala "Fracture Mechanics of concrete using acoustic emission".(ongoing)
60. Dipak Gaikawad " Wind resistance design of spire on tall building"(2016)
61. Modi Twinsky P. "Computational Fluid Dynamics of Tall Buildings".( 2016)
62. Tripathy Rohit "Innovative Cable stayed Bridge" (2016).
63. Patel Vishal "Different Structural configuration for load transfer at elevation offer in tall building".( 2016)
64. Nilesh Mevawala.."Innovative Buildings on slope".( 2016)
65. Chandini seth,"Behavioural study of piled block foundation." (2016)
66. Sheth Akshay N. "Performance based design on bridge."(ongoing)
67. Shah Jinal, "3-D analysis of cable stayed bridge.
68. Patel Ashish Jethalal" Performance Evaluation of RCC twin towers connected by skywalk using linear time history analysis.
69. Patel jigisha bipinchandra "Parametric study of seismic analysis of R.C.C tall structures for different lateral load resisting systems like shear wall, diagrid and outridges."
70. Shingala Ramesh N. "Comparison of different configuration of transmission line tower by using sap;2000(v-14) software".
71. Akshay Nanalal Sheth,"A comparative study on direct displacement based and IS1893( Force based) codal approaches for RC monolithic continuous bridge
72. Jinal Sanjeev Shah,"Analysis of Cable stayed Bridge with different Geometrical Variations

#### Invited expert Lectures

1	30-08-1997	"IPR & Patent Act. The Golden Key For India In
1	30-08-1997	"IPR & Patent Act. The Golden Key For India In Global Economy", at <i>ISTE Surat Chapter &amp; Teacher Association. Chapter.</i>
2	20-09-1997	"IPR & Patent Awareness Program" at <i>ISTE Student Chapter.</i>
3	21-03-1998	"IPR & Patent Act - The Golden Key For India In

		Global Economy”, at <i>ISTE Surat Chapter &amp; Teacher Association</i> .
4	04-04-1998	“IPR & Patent Act. The Golden Key For India In Global Economy”, at <i>Mindbend 98</i> .
5	17-04-1999	“Understanding Scientific Fundamental of Astro-Palmistry, Our Ancient Heritage”, at <i>Vidyastambha</i> .
6	20-07-1997	“Discussion On Patent Act”. Nominated For Finalizing “Trips – Draft”, <i>For Indian Presentation at U.N.O., Geneva At Bangalore</i> .
7	11-02-2000	“Astro-genetics: a new word of next millennium”, <i>international conference organize by IVVRF, “vastu panorama – 2000” at Indore</i> .
8	26-02-2000	“Astrogenetics a new word of next millenium ”, at <i>Mindbend 2000</i> .
9	08-04-2000	“IPR and Patent Act”, <i>B.E. IV (Civil) by Civil Engg. Dept.</i>
10	05-04-2000	“IPR and Patent Act”, <i>B.E. IV (Mech. and Prod.) by Mechanical Engg. Dept.</i>
11	21-06-2000	“ Protective Coating for Steel ”, <i>AICTE / ISTE Summer School on Corrosion in Concrete Structures and it’s Repair, AMD, SVRCET, Surat, June 19 to July 1, 2000</i> .
12	27-06-2000	“ Rehabilitation of Structures ”, <i>AICTE / ISTE Summer School on Corrosion in Concrete Structures and it’s Repair, AMD, SVRCET, Surat, June 19 to 13July 1, 2000</i> .
13	15-07-2001	“Earthquake Resistance Structure”, <i>At Gujarat Samachar Bhavan, Surat</i> .
14	25-07-2001	“ Earthquake Resistance Structure ”, at <i>Nanpura Organised by Junior Jacciey Club</i> .
15	01-02-2002	“How To Save Life During EarthQuake”, at <i>Shrayas High School, Ghod- Dod Road, Surat</i> .



16	03-05-2001	"IPR and Patent Act " by Training and Placement Department, for B. E. IV Student (Civil, Mechanical and Production)
17	01-06-2002	"Amazing Link Between Earthquake Engineering And Vastu Shastra", in Vaastu Convention, Surat 2002.
18	01-06-2002	"Astro Genetics",in Vastu Convention, at Surat, 2002.
19	11-02-2002	"IPR and Patent Act", at S.S.GandhiEngg College, Surat.
20	01-01-2004	" Preparation of Competetive Exam Like JEE/ AIEEE/PMT", at SharadaYatanSchool,Surat.
21	26-01-2004	"Recent Technological Development In India", at I.T.I.PramukhPark,Surat.
22	22-02-2004	"IPR and patent Act", at mindband 2004, S.V.N.I.T., Surat.
23	22-06-2004	"IPR & Patent Act - Human Value in Technical Education" , ISTE, SVNIT, Surat.
24	23-08-2004	"Study of High Performance Beam Column Joint under Cyclic Loading", ICI, ACCI, Sinapore CIDC, at J K Banquette Hall Mumbai.
25	28-08-2004	"Quality Concrete & Earthquake Engg", Surat municipal corporation, Surat.
26	05-2-2005	"IPR and Patent Act", for staff, BE – IV (C) & PDDC Students, Civil Dept, Surat.
27	16-02-2005	"Astro-genetics Fundamental", at Theosophical Society, Anne Besant Hall, Surat
28	22-03-2005	"Scientific Development Trends", at RayanInternationalSchool,DumasRoad,Surat.
29	24-03-2005	"Study of high performance beam column joint under cyclic loading" , by Reliance Industry, at Surya Palace, Baroda.
30	15-08-2005	"Earthquake Consideration for design of Sturctures", at TapiBramcharya Diploma

		<i>Engineering collage, Surat.</i>
31	15-10-2005	"Study of Beam column Joint under cyclic loading", <i>at Hotel Inder Residency, Ahemdabad.</i>
32	12-02-2006	"State of Art of cable Stayed bridge", <i>at National Conference, at JNTU, Kakinada, A.P.</i>
33	06-06-2006	"Seismic analysis of curved cable stayed bridge", <i>at 8<sup>th</sup> international Conference, at Kualampur, Malesia.</i>
34	09-12-2006	"Limit State Steel beam design", <i>at INSDAG, SVNIT.</i>
35	18-02-2007	"CableBridge and beam column Junction at", <i>Stapatya 2007" (Keynote Speaker).</i>
36	30-03-2007	"Career guidance program", <i>at Gandhi SmrutiBhavan, Surat.</i>
37	01-04-2007	"Carrier Guidance – Seminar", <i>at Gandhi Smurti Hall, Smat Under Tequip.</i>
38	08-06-2007	"Cable Stayed bridge", <i>Advances in steel structure, SVNIT surat.</i>
39	09-06-2007	"Spread Pylon cable stayed bridge", <i>National Seminar, at SVNIT, Surat.</i>
40	29-09-2007	"Recent advances in earthquake engineering", <i>at GIDM, SPIPA campus AhemdabadunderUrban Earthquake Vulnerability Reduction Programe.</i>
41	10-10-2007	"Disaster management – Earthquake and Tsunami", <i>at bhartiya vidya bhavan's, Hazira Surat.</i>
42	29-02-2008	"Understanding Planet Earth", <i>at Jaybharti community science centre, Surat.</i>
43	24-03-2008	"Recent advances in earthquake engineering", <i>at Gandhi College, Surat.</i>
44	30-03-2008	"Career guidance program", <i>at Gandhi Smruti Bhavan, Surat.</i>
45	11-06-2008	"Recent Advances in Earthquake Engineering", <i>at STTP, VV Nagar, Gujarat.</i>
46	11-07-2008	"Recent Advances in Earthquake Engg' at STTP on

		“Software Applications in Web based Learning tools in Strucutral Engineering” , <i>SVNIT</i> , Surat.
47	04-08-2009	“Presentation on Forensic Engineering and Special Foundations”, at STTP on “Advanced Design of Steel Structure Using (Revised) IS: 800-2007”, <i>SVNIT</i> , Surat.
48	13-08-2009	“Presentation on Forensic Engineering and Special Foundations”, at <i>STTP on “Geotechnical Investigations, Interpretations and Improvements”</i> , <i>SVNIT</i> , Surat.
49	19-01-2009	“Presentation on Foundations for vertical axis wind mill”, at <i>STTP on “Wind energy”</i> , <i>SVNIT</i> , Surat.
50	26-11-2009	“Analysis and Design of Cable-stayed Bridge”, at <i>NUCONE-2009</i> , Nirma Institute of Technology, Ahmadabad.
51	28-01-2010	“Recent Advances in Earthquake Engineering”, at <i>STTP on Recent advances in concrete technology</i> , <i>SVNIT</i> , Surat.
52	06-08- 2011	“Synthetic Fibres & its use in concrete Overlay. Case study of concrete pavement work in Surat Municipal Corporation – Impact of Earthquake and behavior of concrete structure”, at <i>one day workshop on Concrete Pavement to City Roads</i> , Nagpur Municipal Corporation, Nagpur.
53	27-08-2011	“Eco-friendly Scientific Method for immersion of Ganesh Idols”, at <i>‘One day awareness program on eco-friendly immersion of Ganesh Idols’</i> .
54	15-06-2013	“Recent advances in earthquake engineering” at J. K. Laxmi cement, Bardoli Dist. Surat.
55	25-06-2013	“Recent advances in structural engineering” at Knowledge centre, Ambuja cement Ahmadabad.
56	31-03-2014	Recent advances in structural engineering” at Dr. S

	& S. S. Gandhi Government Engineering college, Surat	
57	22/10/2013	Recent advances in structural engineering at mind bend 2013 at SVNIT, Surat
58	7/1/2015	Seismic Response of Dfferent Types of cable Stayed Bridges at Vibrant Gujarat
59	16/9/2016	Recent advances in structural engineering, DV Kalpana engg. College.
60	16-28 <sup>th</sup> May, 2016	Recent advances in structural engineering, BVM Engineering college
	22-23, August/2016	Recent advances in structural engineering, BVM Engineering college
61		Research Methodology, VV nagar
62		Research Methodology, VV nagar
63	3 <sup>rd</sup> -5 <sup>th</sup> Feb 2016	“Earthquake Engineering for Engineers and Architects”, SVNIT, SURAT
64	24-26 <sup>th</sup> Feb 2016	“Earthquake Engineering for Engineers and Architects”, SVNIT, SURAT
65	27/Feb/2016	Geotechnical Investigation & Soil Structure Interaction.
66	10/3/2016	Fibre Reinforced Concrete and Fibre Reinforced soil Applications, Ambuja cement.
67	14/3/2016	Recent advances in structural engineering, Aditya Birla UltraTech,
68	15/3/2016	Recent advances in structural engineering, Aditya Birla UltraTech
69	12/August/2016	Innovation in the field of structural and Earthquake engineering, C.K. Pithawala College of engineering and technology.
70.	19-20/05/2017	Soil Structure Interaction and special Foundation Reliance
71.	22/05/2017	Recent advances in structural engineering and Geotechnical Engineering, BVM Engineering college
<b>CONSULTANCY CARRIED OUT</b>		
<b>Name of organization</b>		
<b>Project</b>		<b>Date</b>

• Hari Om Apartment, Surat	Consultancy	
• Om Industries, Chikhli	H-2000	
• Nuberg Engineering Ltd, Noida	Consultancy	
• Shailendra K Vyas, Surat	Consultancy	23/5/08
• Nuberg Engineering LTd, Noida	Consultancy	14/7/08
• Luthra Public Trust, Pandesara, Surat	Consultancy	18/7/2008
• Superfine ImplexPvt Ltd, Kolkata	Consultancy	15/9/08
• PBA Infrastructure Ltd, Mumbai	Consultancy	10/11/08
• Lakeview Apartment, Piplod	Consultancy	14/11/08
• Nuberg Engineering Ltd, Noida	Consultancy	28/11/08
• Sadbhav Engineering Ltd, Ahmedabad	Consultancy	16/12/08
• PBA Infrastructure Ltd	Consultancy	29/12/08
• SadbhavEngg Ltd, Adajan	Mix Design	5/1/2009
• Honeywell Automation India Limited	Mix Design	12/1/2009
• Chief Accountant, SuratMunicipal Corporation, Surat	Consultancy	19/1/2009
• Executive Engg, Surat (R &B) Division No-1, Surat	Consultancy	27/1/2009 (Amroli Bridge)
• KadvaPatidarKelvaniMandal, Surat	Consultancy	27/1/2009
• President, Parashwanath Co-op	Consultancy	20/2/2009
	Proof checking	20/2/2009

Housing Society Ltd, Surat	Consultancy	25/2/09
• Scada System & Tech Services, Adajan, Surat	Mix Design	05/3/09
• Agarwal Textile Mills, Katargam, Surat	Consultancy	06/03/09
• PBA Infrastructure & M/s SadbhavEngg Ltd, Surat	Consultancy	24/3/09
• PBA Infrastructure Ltd & M/s SabhavEngg Ltd, Surat	Consultancy	06/4/2009
• OI DC (Divisional Accountant)	Consultancy	9/4/2009
• Jigar Palace Co-op Housing Society Ltd, Surat	Consultancy	16/4/2009
• Executive Engineer, Surat (R & B) Division-2, Surat	Consultancy	17/4/2009
• NTPC LTd, Kawas Gas Power Project, Surat	Consultancy	20/04/2009
• Shitaldhara Corporation, Surat	Consultancy	24/4/2009
• Rameshwar Residents & Shop Owner Association, Surat	Consultancy	27/4/2009
• Exzora the Flower Shop, Surat	Consultancy	27/4/2009
• HasmukhbhaiAhir, Ganesh Bhavan, Surat	Consultancy	10/7/2009
• Rajkamal Apartment, Umragam, Surat	Consultancy	4/8/2009
• Detox CorporatioPvt Ltd, Surat	Hammer-5000	
• Somnath Enclave TW A Co-op House SR Soc Ltd	Consultancy	10/8/2009
• Indralok Complex 'E" Building, Co-	H - 4000	
	Proof checking	13/8/2009

owner Association	
<ul style="list-style-type: none"> <li>• Krishna Textile Market Association</li> </ul>	Consultancy 13/8/2009
<ul style="list-style-type: none"> <li>• Vijay M Mistry Construction Pvt Ltd</li> </ul>	H-5000
<ul style="list-style-type: none"> <li>• ShitalDhara Corporation</li> </ul>	Proof Checking 17/8/2009
<ul style="list-style-type: none"> <li>• Shah Associates</li> </ul>	Proof checking 19/8/2009
<ul style="list-style-type: none"> <li>• Dharam R Bhagat, Surat</li> </ul>	Consultancy 19/8/2009
<ul style="list-style-type: none"> <li>• Siddhi Construction, Surat</li> </ul>	Consultancy 20/8/2009
<ul style="list-style-type: none"> <li>• (Exp. 11,030, Shah Associates, Surat)</li> </ul>	Consultancy
<ul style="list-style-type: none"> <li>• A K Patel, Surat</li> </ul>	31/8/2009 H-5000
<ul style="list-style-type: none"> <li>• Rivera Co-oprative Housing Services Society Ltd, Suat</li> </ul>	Consultancy 9/9/2009 H-5000
<ul style="list-style-type: none"> <li>• J J AC Textile Market, Ring Road, Surat</li> </ul>	Peer Opinion of 15/9/2009
<ul style="list-style-type: none"> <li>• Nagpur Municipal Corporation, Nagpur</li> </ul>	C C Road
<ul style="list-style-type: none"> <li>• Executive Engg, PWD Civil Division No.-1 (A), Silvassa</li> </ul>	Proof checking 5/10/2009
<ul style="list-style-type: none"> <li>• PBA Infrastructure &amp;SadbhavEngg Ltd</li> </ul>	Mix Design 09/10/2009
<ul style="list-style-type: none"> <li>• J J AC Textile Market, Ring Road, Surat</li> </ul>	Consultancy 13/10/09 11/11/2009

<input type="checkbox"/> Tirupati Construction  <input type="checkbox"/> Standard Buildcon	Mix Design  Mix Design      11/11/2009
<b>PROOF CHECKING</b>	
<p style="text-align: center;"><b>Organization</b></p> <ul style="list-style-type: none"> <li>• Chief Accountant, Surat Municipal Corporation, Surat</li> <li>• Asstt Commissioner, SMC, Surat</li> <li>• Asstt Commissioner, SMC, Surat</li> <li>• Engineering Professional Co. Pvt Ltd, Surat</li> <li>• Cartel Outdoor Advertising Pvt Ltd, Nagpur</li> <li>• Mayur Electric Works, Surat</li> <li>• N J Solanki</li> <li>• Shah Associates, Ahmedabad</li> <li>• Shah Associates, Ahmedabad</li> <li>• Ex. Engg, PWD Civil Division, Silvassa</li> <li>• Shah Associate, Ahmedabad</li> <li>• Chief Accountant, Surat Municipal Corporation</li> <li>• MINAEAN Habitat (India) Pvt Ltd, Navi Mumbai</li> <li>• Sanwariya Infrastructure Pvt Ltd</li> <li>• Managing Director (MGI) India Pvt</li> </ul>	<p style="text-align: center;"><b>Date</b></p> <ul style="list-style-type: none"> <li>02/04/2009</li> <li>08/04/2009</li> <li>08/04/2009</li> <li>09/10/2009</li> <li>13/10/2009</li> <li>24/11/2009</li> <li>14/12/2009</li> <li>18/1/2010</li> <li>18/1/2010</li> <li>19/1/2010</li> <li>01/02/2010</li> <li>18/03/2010</li> <li>18/03/2010</li> <li>30/03/2010</li> <li>06/04/2010</li> </ul>



Ltd	
• Shah Associate, Ahmedabad	06/04/2010
• Suzlon Energy Ltd, Pune	21/4/2010
• ARSS Infrastructure Project Ltd, New Delhi	26/4/2010
• Managing Director (MGI) India Pvt Ltd	26/4/2010
• Essar Industries Turbogenerator foundation	--
• Dedicated freight corridor for bridges	--
• Suzlon Wind mill foundation	--
• Baroda Airport Authority Housing project	--
• Intake well structures for SMC	--
• Bridges for Isolux on NH6	--
• Bridge girders for Isolux	--
• Box girder bridge for Irrigation department	--
• Retrofitting of "wind mill foundation" at chennai.	--
• Proof checking of "High mast tower" for ONGC, SMC.	--
• Proof checking of "pre-engineered building with light gauge steel" for Minaean Habitat & Octamec	--
• Trouble shooting of "T.G. Foundation" for NTPC, Hazira.	--

(Gas fire based).	
<ul style="list-style-type: none"> <li>• Modification of “Hydraulic gate structure” for varacha creek, SMC, Surat.</li> </ul>	--
<ul style="list-style-type: none"> <li>• Method of demolition of structure for Dadra &amp; Nagar Haveli.</li> </ul>	--
<ul style="list-style-type: none"> <li>• Design of cross section of irrigation canal using “Fiber reinforced soil”</li> </ul>	--
<ul style="list-style-type: none"> <li>• Condition assessment of “Old Hope Bridge”, Surat for SMC.</li> </ul>	--
<ul style="list-style-type: none"> <li>• Prepared impact assessment report for JnNURM surat municipal corporate</li> </ul>	--

#### List of Proof checking projects of bridge

Sr. No	Name of the Project	Principal Consultant	Status
1.	Construction of Bridge Across River Tapi Joining Dabholi and Jahangirpura	STUP Consultant	Completed
2.	Construction of Railway over bridge at Railway at Railway culvert No. 440-A, near Anjana, STP, Surat	CASAD Consultant, Ahmedabad	Completed
3.	Construction of Flyover Bridge at Parle Point Junction	CASAD Consultant, Ahmedabad	Completed
4.	Construction of High Level Bridge across river Tapi besides the existing bridge at Amroli in Surat	STUP Consultant	Completed
5.	Construction of Fly over bridge at Kapodra Junction on Varachha Road,	S N Bhohe Associates, Mumbai	completed

	Surat		
6.	Proof Checking of Design and Drawing of ROB at Kota	Vijay M Mistry, Ahmedabad	completed
7.	Proof checking of Design And Drawing of Railway portion of Road over Bridge in lieu of level crossing No. 252/A & 252/B at km 838/37-39 on BPL-Ujjain line on Bhopal	Shah Associates, Ahmedabad	Completed
8.	Bridge Across Bardoli Khadi in TPS-38 (Nana Varachha) near Paramsukh Gurukul at Surat	Multi Media Construction Pvt Ltd	Completed
9.	Construction of bridge across river Tapi between Kapodara (Bharvad Falia) and Utran, in Surat City	S N Bhubhe Associates	Completed
10.	Proof checking for construction of ROB across railway track in lieu of level crossing no. 117 at km. 75/6-7 between Alwar – Bandikul section at Alwar	Shah Associates, Ahmedabad	completed
11.	Proof checking for construction of ROB at Abu Road in lieu of LC No. 134/B, on Ajmer-Palanpur section	Shah Associates, Ahmedabad	completed
12.	Proof checking for Construction of Fly over Bridge at Gujarat Gas Circler on Adajan Road, in Surat city	CES Pvt Ltd, Navi Mumbai	Completed
13	Proof checking for construction of Flyover Bridge at Delhi Gate on Ring Road, in Surat City	S N Bhubhe Associates, Mumbai	Completed
14.	Proof checking of design for the work of ROB at Level crossing No.9 and 10 at Rajkot	Rajkot Municipal Corporation, Surat	Completed
15.	Proof checking of Structural Drawing for the work C/o office building for C.E. Department at Nanpura, Surat	Surat Canal Sub Division	Completed
16.	Proof checking of Detail Design and Working drawing of construction of Railway over bridge (Only Railway Portion) across Vadodara- Jambusar N.G. Rly Line at Rly km. 2/3-4 in lieu of L.C. No.2 between stations Vishwamitri and Jambusar on 40 .0m wide Ring Road at Kalai- Vadodara under JnNURM scheme	Vadodara Mahanagar Seva Sadan Vadodara	Completed
17.	Proof checking of Structural Drawing for the work C/o G+8 storied office building for Central Excise on plot of land situated at survey No. 556 at RCP compound, Vapi after demolition of existing old structure, reg. Proof checking of existing old structure	Vadodara Central Sub Division Central Public Works Department Dak Bungalow, Fatehgunj Circle Vadodara – 390 002	Completed

18.	Proof checking of Detail Design and Working drawing for the construction of Railway over bridge across Vadodara- Dabholi B.G. Rly line between STN Pratapnagar & Dabhoi on 40 m wide Ring Road in lieu of L C No. 4 at Soma Talav, Vadodara	Vadodara Mahanagar Seva Sadan Vadodara	Completed
19.	Providing Proof checking Consultancy services for the construction of "C/o High Level Major Bridge with approaches across river Pipariya near Agricultural Farm, Silvassa	CPWD, Gandhinagar	Completed
20	Providing Proof checking Consultancy services of the TG Foundation for Construction work of 2 x 135 MW Multi – Fuel Power Plant at Hazira, Surat (Rs. 1,00,000 x 2 TG)	Essar Engineering Services Div, Surat Hazira Road, Surat	Completed
21.	To carry out Design Audit "Open foundation & super structure for Abutment A2" for Br. No. 287" & "Common drawing of Standard PSC Box Girder 19.8m span".	Dedicated Freight Corridor Corporation of India Ltd Piplod, Surat (DFCC)	Completed
22.	design validation for <b>1500 KW</b> for Earthquake Zone V and for <b>Soft</b> Soil of assumed ASP (RCC foundations for Wind Electric Generator Structure)	Suzlon Energy Ltd, Pune	Completed
23.	Preparation of drawing for the work of "Construction of Civil Foundation, piping & hook up with existing instrumentation air system Electrical work	ONGC, Surat	Completed
	inclusive of cabling and construction of operator room for IP Compressor of ONGC		
24.	Testing & Visual Inspection at TG 2A Foundation, NTPC, Hazira	NTPC Limited, Kawas Gas Power Project, Surat	Completed
25.	Construction of 370 MLD capacity intake well with approach bridge with necessary pipeline under JnNURM scheme, nearby Valak-Sarathana for New South-South East Zone Area, Surat.	Surat Municipal Corporation, Surat	Completed
26.	Proof checking consultancy services for the construction of ROB on in lieu of LC No. 3C on Surat-Bhusaval (Tapi Valley) Main Railway line near Godadara, Udhna, Surat	Surat Municipal Corporation, Surat	Completed

27.	Proof checking consultancy for construction of ROB in lieu of LC No. 2 on Bhestan-Bhusaval loop line on Dindoli main road near old Dindoli Jakatnaka, Udhna, Surat	Surat Municipal Corporation, Surat	Completed
28.	Proof Checking consultancy Services for the work of Construction of bridge in Lieu of Hope bridge across river Tapi joining Chowk and Aadjan area, Surat	Surat Municipal Corporation, Surat	Completed
29.	Proof checking services of structural design Of the work "C/o High Level major bridge with approaches across river Piparia near Agricultural farm in lieu of existing cause way in UT of Dadra & Nagar Haveli	Vadodara Central Division, Central Public Works Department (CPWD), Vadodara - 390002	Completed
30.	Proof checking Consultancy services for the work of Construction of Flyover Bridge on Surat – Hajira Main Road near Star Bazar Junction, Surat <b>(cable stayed Bridge)</b>	Surat Municipal Corporation, Surat	Completed
31.	Proof checking services for the Construction of Surface Level Pass at Rajiv Gandhi Nagar, Kota	Vijay M. Mistry Construction Pvt Ltd.,	Completed
32.	Consultancy charges for Providing Proof checking services of for 4 ROB (Bagodara – Vasad Six Lane SH-8 Project in the State Gujarat)	Neel Construction Links Pvt Ltd Gurgaon – 122 001 Haryana	Completed
33.	Proof checking services for High Mast Tower structure	Bajaj Electricals Ltd 106, 1st Floor, Sakar – III, Nr. Income Tax Char Rasta, Off. Ashram Road, Navrangpura, Ahmedabad – 380 014	Completed
34.	Proof checking services for the Bridge No.14 of Railway siding of M/s Wonder Cement Ltd, Nimbahera	Wonder Cement Ltd, Nimbahera	Completed
35.	Proof checking consultancy service as third party certification for Utility system for Midhani at Hyderabad	Essar Engineering Services Division, Aegis Limited, 27 km, Surat Hazira Road, Hazira – 394 270. Gujarat	Completed

36.	Providing Proof checking services of for box pushing work for Adani Power Ltd at Tirora, Maharashtra	Ravi Builders	Completed
37.	Proof Checking Consultancy services for Structural Stability Certificate for the foundation with wind turbine (WTG) for the three turbine location viz. JTH-183, 213 & 223 at Jath Site, Maharashtra.	Suzlon Energy Limited	Completed
38	Proof checking Consultancy services for the work of Construction of Flyover bridge on Katargam Main Road, Surat	Surat Municipal Corporation, Surat	Completed

#### TELEVISION PROGRAM GIVEN:

- About One Hour Awareness Program on *"Intellectual Property Rights & Patent Act"*. On "SURAT CHANNEL"  
  
On Dt. 14-9-97 at 12:00 AM, Dt. 16-9-97 at 8:00 PM and Dt. 19-9-97 at 9:30 AM
- On "SURAT CHANNEL", On *"Concrete Cracks : A Major Structural Problem & Their Solution"*.(Recorded)
- On "SURAT CHANNEL", On *"Scientific Understanding of Vastu Shastra"*. (Recorded)
- Phone In (Live) On "SURAT CHANNEL", On *"Earthquake Preventions Measures"*,  
  
On Dt. 22-9-99 at 10:30 to 11:45 PM.
- Gave Talk On "EYE WITNESS CHANNEL", On *"Local Structural Problem & Solution And Patent Awareness Program"*.
- Live Program on "EYE WITNESS CHANNEL" About *"General Structural Awareness In People"*.  
  
On Dt. 22-1-2000 at 9:45 PM and Dt. 23-1-2000 at 11:00 PM
- Live Phone on *"IPR and Patent Act"* on Eye Witness Channel.

On Dt.18-2-2000 at 9:30 PM, Dt.19-2-2000 at 3:30 PM and Dt.23-2-2000 at 3:30 PM

- Live on *"IPR and Patent Act"* on Eye Witness Channel. (Special Emphasis on Equipment for Balloon Angioplasty Equipment Stent)

On Dt.13-4-2000, Dt. 14-4-2000 and Dt. 17-4-2000.

- Live on *"Collapse of Ring Road Fly Over on Eye witness "*

On Dt. 8-8-2000 at 5:00 and 7:00 PM and Dt. 9-8-2000 at 10:00 AM

- *"Earthquake Awareness"* on Channel Surat. On

Dt. 26-1-2001 (8 Hours)

- *" Earthquake Awareness "* on Eye Witness On Dt.

27-1-2001 (1 Hour)

- *"Earthquake Awareness"* on Channel Surat. On

Dt. 28-1-2001 (5 Hours)

- *"IPR and Patent"* on Shree Channel.

On Dt. 20-5-2001 (8 Hours)

- *"Earthquake Proof Construction Technique"* on Channel Surat.

On Dt. 26-1-2001 (2 Hours)

- *"Seismic proof building construction "on channel Surat.*

On Dt. 26-10-2006 (2 hours)

- *"Recent Advances in Earthquake Engineering "on ETV Gujarati.*

On Dt. 12-6-2008 (2 hours)

- *"Benefits of Cable-stayed Bridge for Surat"on ETV Gujarati, Star Plus, TV-9, on 17/3/10.*

- *"Ganesh Visarjan" on Channel Surat, on 29/06/10."Earthquake and Disaster*

Management" on channel IBN7 on 01/07/2011.

- TV9 channel TV programme comparison on cable stayed bridge, pile surat bridge, Bharuch bridge, mumbai worli sea link bridge, on 9/05/2017

### ARTICLE IN NEWS PAPER

<b>News Paper</b>	<b>Date</b>	<b>Article name</b>
<b>GUJARAT PRABHA</b>	01-10-1997	Patent Law & IPR, Very Important For India
	02-10-1997	Understanding Importance of Patent In U.S.A. & JAPANESE Economy
<b>DHABKAR</b>	20-10-1998	Technical Suggestion For Improvement of Surat City (Diwali Issue)
	09-11-1998	Victory and Defeat, Main Driving Force In Human Life (Diwali Issue)
<b>GUJARAT MITRA</b>	08-04-1999	Regarding Patent Of Banyan Tree Civil Engineering has scope for 50 Years How to prepare for any Competitive Exam Development of crack in Arabian sea & possibility of Tsunami wave in S. G. Region
	23-06-2010	A new method for immersion of Ganesh idol to prevent river pollution
	05-07-2011	Earthquake and Disaster management
<b>GUJARAT SAMACHAR</b>	25-06-2010	A new method for immersion of Ganesh idol to prevent river pollution
<b>DIVYA BHASKER</b>		Possibility of Tsunami wave in S G Region
	24-12-2006	Krishna Market restoration methods



	30-12-2006	Development of seismic Resistant mixer
<b>TIMES OF INDIA</b>	04-12-2006	Shear wall type earthquake proof Construction
	28-12-2006	Krishna Textile Market, Retrofitting and restoration
	07-03-2006	Meandeying Tapi and its danger to structural foundation
<b>SANDESH</b>	15-08-2005	Development of seismic Resistant Fiber
	25-06-2010	A new method for immersion of Ganesh idol to prevent river pollution
<b>RAJSTHAN PATRIKA</b>	06-09-2009	Consultancy Activities and its importance in field carried out by Applied Mechanics Departments in SVNIT, Surat

### ARTICLES IN MAGAZINE

*To Take Higher Level Research To Common Public Following Articles Are*

*Published In "Surat Digest" Magazine:*

<b>Magazine</b>	<b>Date</b>	<b>Article name</b>
<b>SURAT DIGEST</b>	February 97	Nature's Most Powerful Instruments : Earthquake .
	March 97	Whether Prediction Of Earthquake Is Possible?
	April 97	Earthquake Resisting Housing Modules
	May 97	Nature Is The Best Structural Engineer
	August 97	Concept Of Structural Engineering In Ancient Structure

	September/ October 97	IPR & Patent Act, A Golden Key For India In Global Economy
	October/ November 97	Ultra High rise Building & Tower, A Bridge Between Earth & Haven
	January/ February 98	Whether Engineer Is Responsible For Any Failure?
	April/May 98	Diagnosis Of Structural Diseases From Crack Pattern
	October 98	Low Cost Housing Modules For South Gujarat Area
	October 2000	Machine Foundation - The Structural Challenge
<b>RECRON -3S</b>		<i>“Study of Beam Column joint graph”, printed by Reliance company</i>
<b>AMBUJA CEMENT</b>		<i>“Study of Beam Column joint graph”, printed by Amubuja Cement company</i>

**DST-NIMAT Project 2016-2017**

Sr.No.	Activity/program	No.
1	Entrepreneurship Awareness Camp (EAC)	10
2	Entrepreneurship Development Programme(EDP)	4
3	Technology based Entrepreneurship Development Programme (TEDP)	2
4	Faculty Development Programme(FDP)	1