



Dr. Shruti J. Shukla

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AREA OF EXPERTIZE:-

Area of expertize are Sub Soil Characteristics, site Improvement techniques, soil dynamics and earthquake Engineering.

EDUCATIONAL QUALIFICATION

March 2016 : **Ph.D., S.V.N.I.T**

2004 - 2006 : M.Tech. in Soil Mechanics and Foundation Engineering
S.V.N.I.T., Surat.
Passed with 9.35(CGPA)

1998-2002 : B.E. (Civil Engineering)
L.D. College of Engineering, Ahmedabad.

PUBLICATIONS:-

1. **Shukla S.J.**, Desai A.K., Solanki C.H “Behavioural study of piled raft foundation in layered soil deposits” International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 6, Number 15 (2011) pp. 1785-1792 Research India publications (SCOPUS indexed)
2. **Shukla S.J.**, Desai A.K., Solanki C.H “A dynamic behavioural study of 25 storey building with piled raft foundation with variable sub soils” International Journal of Structural and Civil Engineering Research ISSN 2319 – 6009 Vol. 2, No. 1, February 2013
3. **Shukla S.J.**, Desai A.K., Solanki C.H “Dynamic behaviour of structure and foundation with piled raft by time histories finite element model” International Journal of Engineering Studies. ISSN 0975-6469 Volume 5, Number 1 (2013), Pp. 91-105.
4. **Shukla S.J.**, Desai A.K., Solanki C.H “A behavioural study of dynamic soil structure interaction for piled raft foundation with variable sub soils by time history fem model” Int. J. of GEOMATE, June, 2015, Vol. 8, No. 2 (Sl. No. 16), pp. 1288-1292 Geotech., Const. Mat. and Env. ISSN: 2186-2982(P), 2186-2990(O), Japan.(SCOPUS and ESCI indexed)
5. **Shukla S.J.**, Desai A.K., Solanki C.H. “A dynamic behavioral study of structure with piled raft foundation by time histories finite element model” International Journal of Advance Research in Science and Engineering IJARSE, Vol. No.3, Issue No.3, March 2014.
6. **Shukla S.J.**, Desai A.K., Solanki C.H “Behavioural study of piled raft foundation in layered deposits of soft soils” Journal of Engineering and Technology | Jan-Jun 2013 | Vol. 3 | Issue 1
7. **Shukla S.J.**, Desai A.K., Solanki C.H “Soil structure interaction for pile raft foundation” “ICIWSE-2010”- An International Conference At Govt. College of Engineering Aurangabad, Maharashtra, India, Scheduled on Dec.25 to 27 , 2010.

8. **Shukla S.J.**, Desai A.K., Solanki C.H “A study of dynamic soil structure interaction for piled raft foundation with variable sub soils” Fourth International Conference on Geotechnique, Construction Materials and Environment, Brisbane, Australia, Nov. 19-21, 2014, ISBN: 978-4-9905958-3-8 C3051.**
9. **Shukla S.J.**, Desai A.K., Solanki C.H. “A Dynamic Behavioural Study of Structure and Foundation for 25 Storey Structure with Variable Sub-Soils by Time History FEM Model” 8th International Conference on Electrical, Electronics and Civil Engineering (ICEECE'2016) Jan. 12-13, 2016 Dubai (UAE) **
10. **Shukla S.J.**, Desai A.K., Solanki C.H. “A study of behaviour of piled raft foundation for tall building with variable sub soil by time history FEM model” 5th Young Indian Geotechnical Engineers Conference 2014 March 14-15, 2014, Vadodara, India.**
11. **Shukla S.J.**, Desai A.K., Solanki C.H “Behavioral study of piled raft foundation for alluvial stratified deposits” National seminar on advances in geotechnical engineering(AGE) 8th-9th October 2011 held in applied mechanics department ,SVNIT, Surat .**
12. **Shukla S.J.**, Desai A.K., Solanki C.H “Piled raft foundation technology and applications.” ACE UPDATE vol. 1, issue 11 Dec 1, 2011 pg. 14-17.
13. **Shukla S.J.**, Desai A.K., Solanki C.H “A detailed literature review of behaviour of piled raft foundations” ITCE-2010” a National conference on 9th April – 2010 at Aliquippa Chatter College of Engineering And Technology, Tamilnadu.
14. **Shukla S.J.**, Desai A.K., Solanki C.H “A parametric study of behaviour of piled raft foundation” “SDUI” National conference on 18th-19th June 2010 at VNIT, Nagpur, Maharashtra.
15. **Shukla S.J.**, Desai A.K., Solanki C.H “A study of behaviour of piled raft foundation for tall building.” “Geotrendz”, IGC 2010 on 17th -19th Dec. 2010 at IIT Poway, Mumbai, Maharashtra. **

16. **Shukla S.J.**, Desai A.K., Solanki C.H “Behavioural study of multi-storey building with piled raft foundation over raft foundation for static loading.” SEC-2012, 10-12 December 2012, SVNIT, Surat, Gujarat. **
 17. Chandni Sheth, **S.J. Shukla**, A. K. Desai “Dynamic Analysis of Piled Block Foundation Using SAP: 2000 VS. 18”. International Journal of Innovative Research in Science, Engineering and Technology. Volume 6, Issue 6, June 2017. ISSN: 2319 – 8753.
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** These Papers are Presented and Published.

SHORT TERM TRAINING PROGRAMME ATTENDED:-

- 1) **“Civil project: development and management”** organize by Civil Engineering Department, SVNIT, surat during 20th to 24th of july, 2009
- 2) **“Sustainable water and waste water management techniques”** organize by civil engineering department, SVNIT, surat during 27-31st of july, 2009
- 3) **“Pedagogy and research methodology”** organized by department of mechanical engineering and department of chemical engineering at SVNIT surat, during 3-7th of august , 2009.
- 4) **“Geotechnology for infrastructure development”**, organized by applied mechanics department during 10th to 14th august 2009.
- 5) **“Advances in water resources engineering”** , organized by civil engineering department, SVNIT, surat , during 22-26 december, 2009
- 6) **“ Advances In Geotechnical Engineering”** organized by applied mechanics department during 29th December 2008 to 2nd January 2009
- 7) **“Geotechnology for infrastructure development”** , organized by Applied Mechanics Department, SVNIT, surat during 4th to 8th January , 2010 .

- 8) “**Recent advances in concrete technology**” organized by Applied Mechanics Department” SVNIT, Surat. During 25th -29th of January-2010.
- 9) “**Geotechnical Investigations, Improvements and interpretations 2015**” organized by applied mechanics department during during 14th July to 18th July 2015.
- 10) “**Advances in Geotechnical Engineering**” organized by applied mechanics department during 25th June to 4th July 2014.
- 11) “**Pile foundations-advances in design and construction practices**” organized by Deep foundations Institute of India(DFI) in association with S.V.National Institute of technology ,Surat & Indian Geotechnical Society(Surat chapter) during 27th -28th May 2017.

SEMINAR/SYMPOSIUM/WORKSHOP ATTENDED:

1. National seminar on “**Geotechnical Investigations and Case Studies**” organized by Indian Geotechnical Society, Surat chapter and Applied Mechanics Department of Surat on 5th June 2010.
2. National seminar on “**Geotechnical Investigations, Interpretations And Improvements (GIII-10)**” at Applied Mechanics Department ,SVNIT on 23 October 2010.
3. National seminar on “**Geotechnical Investigations and Case Studies**” at Applied Mechanics Department on 5th June 2010.
4. National seminar on “**Advances in Geotechnical Engineering**” (AGE-2011)” in Applied Mechanics Department, SVNIT Surat on 8-9 October 2011
5. One day workshop on “**Geosynthetics Applications In Civil Engineering**” “on 30th April 2013. At Civil Engineering Department, SVNIT.
6. Finishing school on “**ground improvement techniques**” Applied Mechanics Department, SVNIT Surat on 11-12 February 2014.

7. International speaker training course on “Introduction to **Geosynthetics and their Applications (ITCIGA-2015)**” Applied mechanics Department, SVNIT Surat on, 14th December 2015.

8. “**10TH International Symposium on Low Land Technology (ISLT 2016)**” September 15-16, 2016 organized by international association of lowland technology and department of civil engineering national institute of technology Karnataka, India.

EXPERT LECTURES DELIEVERD:

1. Expert lecture on **“piled raft foundation :- its significance and case study” in one week STTP on geotechnical aspects of foundation engineering(GAFE-2016) organized by** Applied Mechanics Department ,SVNIT, Surat during 17th-21st October 2016.
2. Expert lecture on **“MODELING FOR PILED RAFT FOUNDATION AND CASE STUDY”** Two days Training Programme for RPMG C & S Group (Reliance Industries Ltd) for Skill Enhancement 19-20 May 2017.

M.TECH/PH.D GUIDED

M tech guided: - 20 nos

Phd guided:- 3 (in progress)