

PRIYA BEENA SUDEVAN MOBILE :
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PROFILE

A Self motivated and hard working, currently a **Research Scholar** in **Geotechnical Engineering Division**, who is able to use own initiative and work as a part of a Team. Have a Proven leadership talent with ability to plan, prioritize and accomplish tasks at the right time and successfully.

OBJECTIVE

To secure a challenging position at your esteemed firm where I can learn and contribute in positive ways.

WORK EXPERIENCE

Worked As A Lecturer for 5 and a Half Months in Sarabai College of Science and Technology Affiliated to CUSAT University.

Completed one month Industrial Training in Geo-structures Pvt Ltd, Cochin.

EDUCATION

Master of Technology in Soil Mechanics & Foundation Engineering:

NIT(Surat)– 2014.

□ - 9.05/10

Bachelor of Technology in Civil: University Of Kerala-2011

7.23/10

PROJECTS AND SEMINARS

Ph.D

Project: Uplift countermeasure for underground structures in liquefying soil.

M-Tech

Project: A Study On a Model Square Footing Resting On a Prestressed Geotextile Reinforced Sand Bed.

This project involves experimental work on Square Scaled model footing resting on a prestressed geotextile reinforced sand in improving its bearing Capacity and reducing its settlement.

Seminar: Geotechnical Centrifuge Modelling And Its Application

This seminar briefly explains the centrifuge modeling and its applications

B-TECH

Project: Study Of Effect Of Corrosion In Blended Cement.

PUBLICATIONS

- [1] Priya Beena Sudevan , A.Boominathan and Subhadeep Banerjee. (2018). “Uplift analysis of an underground structure in a liquefiable soil subjected to dynamic Loading”, 2018, *Geotechnical Special publication*No. 291, (ASCE), Pp. 464 – 472, doi.org/10.1061/9780784481479.048.
- [2] Priya Beena Sudevan , A.Boominathan and Subhadeep Banerjee. (2020). “Numerical study on the liquefaction induced uplift of an underground structure” *International Journal of Geomechanics*. 20(2), (ASCE), DOI: [10.1061/\(ASCE\)GM.1943-5622.0001578](https://doi.org/10.1061/(ASCE)GM.1943-5622.0001578).
- [3] Priya Beena Sudevan , A.Boominathan and Subhadeep Banerjee. (2020). “Mitigation of liquefaction-induced uplift of underground structures by soil replacement methods” *Geomechanics and Engineering*, 23(4), 365-379. DOI: <http://dx.doi.org/10.12989/gae.2020.23.4.365>.
- [4] Priya Beena Sudevan , A.Boominathan and Subhadeep Banerjee. (2019) “Numerical study on mitigation of liquefaction induced uplift of underground structure” in *Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions: Proceedings of the 7th International Conference on Earthquake Geotechnical Engineering*,(ICEGE 2019), Rome, Italy. 5128, CRC Press.
- [5] A.Boominathan, Subhadeep Banerjee and Priya Beena Sudevan. (2019) “Numerical analysis on mitigation of liquefaction induced uplift of shallow tunnels” *17th European Conference on Soil Mechanics and Geotechnical Engineering (XVII ECSMGE)* “ Reykjavik, September 2019.
- [6] Manuscript on “Shake table and numerical analysis for mitigation of liquefaction induced uplift of underground structure“ under preparation.

PROGRAMS ATTENDED

- Attended and co-ordinated in 8th Biennial Conference On *Structural Engineering Convention* 2012(Surat).
- Participated in *Indian Geotechnical Conference* 2013(IIT Roorkee).
- Participated in Finishing School For MTech And PhD Students on “*Overview Of Ground Improvement Techniques*”.
- Participated in a Five day short term course on *Ground Improvement Interpretations and Investigations (GIII-13) NIT SURAT*
- Participated in the national workshop on *Advanced Geotechnical Engineering at NIT SURAT*.

- Was a part of the girls winning team for MMNCT 2013, Intra College Cricket Tournament.
- Completed a training Program in AutoCAD 2012-2D organized jointly by the centre for continuing Education and the Department Of Civil Engineering
- Assisted In Conducting An Event For Civil Engineering Department in UG Level.
- Participated in ***Indian Geotechnical Conference*** 2016(IIT Chennai).
- Attended and presented a paper at 5th Geotechnical Earthquake Engineering and Soil Dynamics (GEESD V) conference held at , Austin (USA), during June 10-13, 2018.
- Attended and presented a paper at 7thInternational conference on Earthquake Geotechnical Engineering (ICEGE) conference held at Rome (Italy), during June 17-21, 2019.

PERSONAL DATA

Date of Birth : 12th December 1989

Nationality : Indian

Languages Known : English, Hindi, Malayalam, Tamil

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