

Faculty Name: Punit Bhanwar

Designation: Assistant Professor

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**BIO**

Mr. Punit Bhanwar is an Assistant Professor in the Civil Engineering department of SIEM, Nasik, India. He earned his Master's in Transportation Engineering and presently pursuing Ph.D in Transportation-Geotechnics. His research interest lies with integration of automation and robotics technology with geotechnical engineering principles for geo-construction applications. This specifically includes developing experimental setup, instruments and hardware for lab scale modelling and analysis of ground improvement techniques.

Qualification:

1. B. E. (Civil Engineering)
2. M. E. (Transportation Engineering)
3. PhD, (Transportation Geotechnics - Pursuing)

Publications details:

1. International Journal (Scopus) : 01
2. International Conference (Scopus): 04
3. Patent: 01 (Published)

Research Work:

- Patented development of “ Electromechanical Pluviator with Multi-Point injection Permeameter- cum Cone Penetrometer ”
- Developed “ A Spreadsheet based computational tool for selection of optimal soil liquefaction mitigation technique”
- Devised reuse of Waste HDPE Bottle-Derived Geocells for Stabilization of Hilly Roadway Slopes,
- Studied effects of Air Intrusion Technique on Permeability of Liquefiable Soil.
- Studied Liquefaction Susceptibility of Road Infrastructure in Surat City
- Reviewed Soil Liquefaction Mitigation Techniques and Its Preliminary Selection

Experience:

- Teaching experience :03 Years
- Research experience : 03 Years

Subject Expertise:

- Foundation Engineering
- Research Methodology
- Soil Mechanics
- Pavement Engineering
- Engineering Mechanics