

Name: Dr. Bipul Sen  
 Department: Faculty of Science & Technology  
 Designation: Assistant Professor  
 Branch: Civil Engineering  
 Educational Qualification(s):



Qualification(s)	University
Ph.D in Civil Engineering Department	National Institute of Technology Agartala
M. Tech in Civil Engineering Department (Specialization: Geotechnical Engineering)	National Institute of Technology Agartala
B. Tech in Civil Engineering Department	Tripura Institute of Technology

**Experience in years: Academic Details:** 10 years 2 months

Sl. No.	Organization	Position Held	Duration	
			From	To
1	ICFAI University Tripura	Assistant Professor	1 <sup>st</sup> August, 2014	Till date

**Other Information:**

**a) Publication details:**

1. Sen, B. and Pal, S. K. (2014), “**Index Properties of Soils collected from Different Locations and Correlations of Parameters**”, *Electronic Journal of Geotechnical Engineering*, v.19, pp.3443-3452.
2. Sen, B. and Pal, S. K. (2016), “**Influence of finer fraction and water table on the behavior of compaction and consolidation characteristics of soils collected from different locations of Agartala City**”, *National Level Conference on Engineering Problems and Application of mathematics*.
3. Sen, B. and Pal, S. K. (2017), “**Compaction and Consolidation characteristics of Soils and Correlations of parameters**”, *International Journal of Engineering, Technology, Science and Research (IJETSR)*, Volume 4, Issue 8, August 2017, ISSN 2394-3386.
4. Sen, B. and Pal, S. K. (2017), “**Compaction and Consolidation characteristics of Soils and Correlations of parameters**”, *International Conference on Recent Trends in Engineering Science and Management, (ICRTE SM) 27<sup>th</sup> August. 2017.*
5. Sen, B., Saha. A. and Saha, R. (2021), “**Experimental investigation on assessment of lateral strength of earthen wall blocks in adobe houses**”, *Asian Journal of Civil Engineering*, (2021) 22: 727–749. <https://doi.org/10.1007/s42107-020-00343-y>.

6. Sen, B., and Saha, R., (2022), “**Experimental and numerical investigation of mechanical strength characteristics of natural fiber retrofitted rammed earth walls**”, *Geotextiles and Geomembranes*, Elsevier, 50 (2022) 970-993. <https://doi.org/10.1016/j.geotexmem.2022.06.004>.
7. Sen, B., Chanda, D., and Saha, R., (2024), “**Mechanical strength characterization and seismic performance of rammed earthen walls built on eco-friendly lateritic soil and sustainable stabilizing materials**”, *Sadhana*, Springer, 49 (2024) 37. <https://doi.org/10.1007/s12046-023-02375-x>.
8. Sen, B., and Saha, R., (2024), “**Structural stability evaluation of natural fiber retrofitted low cost rammed earthen houses under seismic loading**”, *Structural Engineering International*, Taylor and Francis, 1-20. <https://doi.org/10.1080/10168664.2024.2338221>.
9. Sen, B., and Saha, R., (2024), “**1g shake table study on improvement in seismic strength of low cost rammed earthen houses using natural fiber-based textile reinforcement**”, *Structures*, Elsevier, 64 (2024) 106504. <https://doi.org/10.1016/j.istruc.2024.106504>.
10. Sen, B., Debnath, P and Debnath, T., (2024), “**Experimental Study of Rammed Earthen wall units using different locally available stabilizing materials**”, *Material Innovation and Sustainable Development*, IUP Publications, 1-86. ISBN: 978-81-964208-7-1.

**b) Details of Seminar/Workshop/Conference:**

1. Sen, B. and Pal, S.K. (2018), “**Influence of Jute Geotextile on the CBR behavior of Soil**”, *Seminar on Ground Improvement Techniques, 30April 2018, IE (I), Tripura State Centre, India, P-13-18*.
2. Participated and presented a paper on “**Working system of Civil Engineers**”, “**Soil**” & “**Pavement**”, at ICFAI University Tripura, jointly organised by IBC, Tripura Centre & Civil Engg. Deptt, ICFAI University Tripura.
3. Participated a national level conference on “**North-East Students Geo-congress on Advances in Geotechnical Engineering**” organised by NITA in association with Indian Geotechnical Society (NE Guwahati chapter) in NITA.
4. Participated and worked as a host in the technical round quiz competition in a seminar on “**Disaster Management**” organised by Indian Building Congress (IBC).
5. Attended a seminar on ‘**Retrofitting of Building**’ jointly with Institutions of Engineers (India), Silchar Local Centre, PWD, AMC, & NIT Agartala.
6. Attended a seminar on “**Rail Connectivity in North-Eastern Region of India**’ jointly with Institutions of Engineers (India), Assam State Centre, NF Railways.
7. Attended a seminar & worked as a reporter on the seminar “**Good Governance in Technical Education**’ jointly organised with Institutions of Engineers (India), West Bengal

State Centre, ICFAI University Tripura, and TIT & Techno India.

**8.** Participated & presented a lecture on the topic “**Geotechnical Engineering and the role of Geotechnical Engineers**” organised by Institutions of Engineers (India), Tripura State Centre jointly with ICFAI University Tripura.

**9.** Attended a seminar & worked as a reporter on the seminar “**Disaster Management & Smart City**” organised by Institutions of Engineers (India), Tripura State Centre jointly with Karnataka State Centre, Maharashtra State Centre & Assam State Centre.

c) **Professional membership of reputed bodies:**

**Indian Building Congress (IBC)**

**Indian Geotechnical Society (IGS)**