

Name: Mr. Sayantan Dutta



Department: Civil Engineering

Contact Nos.: 9474992729

Qualifications: M. Tech.

Designation: Assistant Professor

VIDWAN ID: 187491

Experience (Teaching / Research / Industry, in years): 6 years

Date of Joining at the Present Institution: 12.07.2016

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

| Degree | Institute | From – To | Subjects |
|---------------|----------------------|--------------------|---------------------------------|
| M.Tech | NIT, Durgapur | 2014 – 2016 | Geotechnical Engineering |
| B.E | BESU, Shibpur | 2008 – 2012 | Civil Engineering |

Experience Summary (In chronological order):

| Designation | Organization | Date From – Date To |
|----------------------------|--|--------------------------------|
| Site Engineer | Bridge and Roof (India) Ltd | 23.07.2012 – 31.07.2013 |
| Assistant Professor | Dr. B. C. Roy Engineering College, Durgapur | 12.07.2016 - till date |

Specialization/Research Interest: Geotechnical Earthquake Engineering

Awards & Recognitions

Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.: NIL

Courses taught: B. Tech.

B.Tech: Specify the name of the subject/s (Theory first and then practical) :

Soil Mechanics, Foundation Engineering, Transportation Engineering, Surveying and Geomatics, Advanced Highway and Transportation Engineering, Organizational Behaviour, Soil Mechanics Lab, Highway Engineering Lab, CADD Lab, Surveying Practice Lab etc.

M.Tech: specify the name of the Subject/s: NIL

Online Mode of Teaching:

<https://drive.google.com/drive/folders/1z9gca6gcFI5ptKRGZNmtgPk7QkZoVO1G?usp=sharing>

<https://drive.google.com/drive/folders/1kV9mfRpfZe247vYDrOzrYYZJC07EqWra?usp=sharing>

Publications:

Journal:

1. R.P. Nanda, **S. Dutta**, A. Das, H.A. Khan, "**Geosynthetic Liner as Foundation Isolation for Seismic Protection**", "**International Journal of Geosynthetics and Ground Engineering**", **July 2017, Volume 21, Issue 3. DOI 10.1007/s40891-017-0098-2**

Link: <https://doi.org/10.1007/s40891-017-0098-2>

2. Radhikesh Prasad Nanda, **Sayantan Dutta**, Hasim Ali Khan, Subhrasmita Majumder, "**Seismic Protection of Buildings by Rubber-Soil Mixture as Foundation Isolation**", **International Journal of Geotechnical Earthquake Engineering, Volume 9, Issue 1, January-june,2018, DOI: 10.4018/IJGEE.2018010106**

Link: <https://pdfs.semanticscholar.org/5fe9/33c5e61317a80e172273c1d41519f2b440d9.pdf>

3. **Sayantan Dutta**, Radhikesh Prasad Nanda. (2021). "**Finite element analysis of rubber-soil mixture (RSM) for the pile response reduction under liquefaction**", *Arabian Journal of Geosciences (2021) 14:1729.*

Link: <https://doi.org/10.1007/s12517-021-081158-0>

Conference:

NIL

Book:

NIL

Book Chapter:

NIL

Supervision of Ph.D/M.Tech / B.Tech Projects:

For Ph.D

NIL

B. Tech. Projects:

1. Sourav Kumar Dan (12001318013), Subhra Kanti Jash (12001318010), Souvik Dutta (12001317036), Siddharth Raj (12001317038), Sudip Kundu (12001318008), Subrata Patar (12001318009), Subhajit Sinha (12001318011), Subhajit Pradhan (12001318012). Sayantan Dutta. "Design of Cement Concrete Pavement using Fly-Ash", 2021 (B. Tech)
2. Shubham kumar Mishra (12001316040), Shubhranshu Barik (12001316041), Shubham Saurav (12001316042), Subham Kumar Singh (12001316043), Sharanya Sen (12001316045), Shamik Ghosh (12001316046). Saurabh Kumar (12001316047), Saptadeep Chatterjee (12001316048). Sayantan Dutta. "Design of pile foundation in black cotton soil", 2020. (B.Tech)
3. Soumyadeep Malakar (12001315100), Joytrishna Nandi (12001316013), Sandipan Chatterjee (12001315094), Jhantu Das (12001316014), Ravi Prabhat (12001315086), Sahil Sagar (12001315091), Vivek Kumar Mahato (12001315120), Arkodeb Jash (12001316019). Sayantan Dutta. "Comparative study on bearing capacity in different types of soil", 2019. (B.Tech)
4. Pallab Banejee (12001314066), Soumyadeep Biswas (12001314095), Sourav Paul (12001314099), Subhradeep Ghosal (12001315147). Sayantan Dutta. "Analysis of bearing capacity of soil sample and check for isolated footing", 2018 (B.Tech)
5. Neha Chaturvedi (12001314062), Ritesh Khatiwada (12001314076), Shekhar Gaurav (12001314090), Soumita Roy (12001314094). Sayantan Dutta. "analysis of bearing capacity of rubber soil mixture as seismic base isolation material" 2018 (B.Tech)
6. Ashish Anand (12001313018), Ashish Kumar Punj (12001313019), Jayant Kumar (12001313042), Om Prakash Chandan (12001313057), Prince Kumar Singh (12001313062), Ashok Kumar Mandal (12001313020), Ankush Kumar (12001313034), Ankit Raj (12001313011). "Evaluation of Earthquake Liquefaction and Earthquake Resistant Foundation", 2017. (B.Tech)

Invited Lectures:

NIL

Participation in seminar/conference/symposium/workshop/discussion meeting

| Name of the event | duration | Year | Organized by. |
|--|----------|------|----------------|
| One day seminar on "Climate change and water crisis" | 01 Day | 2019 | IIEST, Shibpur |

Participation in faculty development programmes

Name of the faculty development programmes: "Creative problem Solving, Innovation and Meaningful R&D" Mode: Online From 02.03.2020 – To 27.04.2020, Duration: 8 weeks, Year:

2020, Organized by.: NITTTR

Organization of events (Dr. B. C. Roy Engineering College)

“One Day Webinar on Guidance for Graduate Aptitude Test and Prospects of Higher Education in Civil Engineering” Date: 01.10.2021 Year 2021.

Participation in administrative committees (selected)

Departmental Training & placement co-ordinator, CE Department, Training & placement cell, 2019 - 2021.

Advisor, CE Department, Institution of Engineers (India), Student Chapter, Dr. B. C. Roy Engineering College, Durgapur.

Faculty co-ordinator, Tech fest, 2019-20, 2018-19.

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution:

- 1. Bridge Pier Health Monitoring Using Acoustic Emission Technique (Project File No. CRG/2019/0000796) – Submitted to SERB in 2019 (Comment: The proposal was examined carefully on the basis of scientific/technical merit, novelty, work plan, research methodology and also considering the availability of funds etc. We regret to inform you that after thorough consideration, your proposal is not recommended for funding) : Not recommended**

Membership of professional bodies: NIL