Yudhajit Dey
Assistant Professor
Pursuing PhD. (Gauhati University)

Personal Information

Mr. Yudhajit Dey
The Assam Royal Global University
Guwahati-781035
Joined University in February 2013
Phone : +918638712672
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Experience: 2013- Present, Assistant Professor, Civil Engineering.

Academic Qualification : PhD. (Pursuing)
Masters in Geotechnical Engineering (Assam Engineering College)
B.E.(Assam Engineering College)

Subjects taken:

- ***Undergraduate Programme***
  1)Energy Science & Engineering
  2) Building Materials
  3) Geotechnical Engineering
  4) Foundation Engineering
  5) Strength of Materials
  6) Design of Concrete Structures.
  7) Railway Engineering & Airport Planning & Design.
  8) Bridge Engineering
  9) Earthquake Engineering

- ***Post- gradutae Programme***
  1) Geotechnical Earthquake Engineering
  2) Soil Structure Interaction
  3) Design of High -Rise Structures

M.Tech. Thesis Guidance : 5 students. (1 ongoing)

Research Interests:

1) Analysis of Deep foundation.
2) Seismic soil-structure interaction.
3) Assessment of liquefaction potential
4) Reinforced soil structures.
5) Seismic stability of slopes.
6) Ground improvement techniques.

Publications:

- **Journals**

1)Quality Analysis of Ground Water in Greater Guwahati; Journal of Civil Engineering & Environmental Technology, ISSN:2349-8404, Volume 1, Number 4 ; August 2014. Impact Factor: 4.857

2) Rapid Visual Screening (RVS) of Seismically Vulnerable RCC Buildings in Guwahati City; International Journal of Advanced Technology in Engineering & Science, ISSN 2348-7550, Volume No. 3 Special Issue No. 01; September 2015. Impact Factor:5.8

3)Study of Road Traffic Problems with Reference to Guwahati City; International Journal of Advanced Technology in Engineering & Science, Volume No. 3, Special Issue No.01; September 2015, Impact Factor:5.8

4) Assessment of Liquefaction Potential for Seismic Risk Reduction in North-East India; International Journal of Engineering Applied Sciences & Technology, ISSN No. 2455-2143, Volume 5, Issue No. 8; December 2020, Impact factor: 4.982

5) Effect of Waste Fibre Material on Engineering Properties of Red Soil; International Journal of Engineering Applied Sciences & Technology, ISSN No. 2455-2143, Volume 5, Issue No. 9; January 2021, Impact factor: 4.982

6)Settlement Analysis of Pile Foundation using PLAXIS 3D; International Journal of Engineering Applied Sciences & Technology, ISSN No. 2455-2143, Volume 7, Issue No. 1; May 2022, Impact factor: 4.982

➢ Conference paper

1)Study on Compressive Strength of Concrete using foundry sand as fine aggregate; 2nd International Conference on Civil Engineering for sustainable development-Opportunities & Challenges, Assam Engineering College 2018

2)Reduction of arsenic concentration in water using locally available materials ;2nd International Conference on Civil Engineering for sustainable development-Opportunities & Challenges, Assam Engineering College 2018

Membership of Professional Body

Associate Member; The Institution of Engineers(India)

Teaching Load for Even Semester 2023-24 :

Academic- 18.5 hours/week.

Departmental Responsibility

- **Class-coordinator -B.Tech.(CE) 8th semester**
- **Placement coordinator.**