

CURRICULUM VITAE

Name: Dr. Partha Sarathi Nayek

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Objective:

To enhance my technical, professional, and teaching skills in accordance with the latest industrial trends in order to give the best to the concerned organization and benefitting the society at large.

Educational Qualification:

Course/Examination	Institute/Board	Year	Marks
Doctor of Philosophy (Geotechnical Earthquake Engineering)	Indian Institute of Technology Mandi, Himachal Pradesh	2021	9.0 (Course Work)
Master of Technology (Geotechnical Engineering)	National Institute of Technology Silchar, Assam	2016	8.16
Bachelor of Technology (Civil Engineering)	Hooghly Engineering and Technology College, Hooghly, WB	2012	8.84
12 th	WBCHSE	2008	78.4%
10 th	WBBSE	2006	80.6%

National Level Exam Qualification:

Exam	Year	Organizing Institute
GATE	2014	IIT Kharagpur

Technical Skills:

Area of Interest:	Geotechnical Engineering, Foundation Engineering, Retaining Structures, Slope Stability, Geotechnical earthquake engineering, Seismic landslide hazard assessment
Operating System:	Windows

Software Proficiency:

AutoCAD 2D, ArcGIS 10.1, Abaqus, Geostudio, Proshake, MATLAB

Conferences/Workshops:

1. 7th International Congress on Computational Mechanics and Simulations, IIT Mandi, 2019
2. Indian Geotechnical Conference, IIT Guwahati, 2017.
3. 3 Days workshop on Geotechnical Modelling & design using Geostudio Software 2019, New Delhi, Feb 17th-19th, 2019

Academic Project Details:

M.Tech Thesis Title	<i>“Experiment study of low strain dynamic behavior of saturated local sand and sand-fine mixture using Resonant Column apparatus”</i>
PhD Thesis Title	<i>“Advanced models for prediction of earthquake induced slope displacement and hazard assessment”</i>

Experience:

Organization	Position	From	To	Responsibility
IOT Infrastructure and Energy Services Ltd.	Junior Manager (Projects)	July, 2012	July, 2014	Execution of Civil works at site Project Coordinator

Teaching Curriculum:

- Teaching Assistant in Foundation Engineering Course (6th Semester, B.Tech) and Engineering Graphics (1st Semester, B.Tech) during M.Tech in the department of Civil Engineering, NIT Silchar.
- Teaching Assistant in Soil Mechanics, Foundation Engineering, Geotechnical engineering laboratory, Mechanical Workshop (UG Courses) and Engineering Seismology, Advanced Solid Mechanics, Soil Dynamics Course (PG Courses) during PhD in the School of engineering, IIT Mandi.

Organizational Skills:

- Worked as Research secretary, Student Gymkhana Body IIT Mandi 2019-2020.

Awards & Achievements:

SCHOLARSHIPS & MEMBERSHIP:

- MHRD, India fellowship for M.Tech. (GATE, 2014-2016)
- MHRD, India fellowship for PhD (HTRA-GATE, July 2016-Till date)
- Student Member, Indian Geotechnical Society (2017-Till Date)

EXTRA-CURRICULAR:

- Member of IIT Mandi Football team participated in Inter-IIT Sports meet 2017, IIT Madras
- Coordinator of IIT Mandi Football team 2018-2019

Publications:

JOURNAL PUBLICATION:

- **Nayek, P. S., & Gade, M.** (2021). Seismic landslide hazard assessment of central seismic gap region of Himalaya for a Mw 8.5 scenario event. *Acta Geophysica*, 1-13
- **Nayek, P. S., & Gade, M.** (2021). A Numerical Study on Dynamic Response of Cantilever Retaining Wall Subjected to Pulse-like Ground Motion. *Indian Geotechnical Journal*, 1-10.
- Gade, M., **Nayek, P. S., & J. Dhanya.** (2021). A new neural network-based prediction model for Newmark's sliding displacements. *Bulletin of Engineering Geology and the Environment*, 80(1), 385-397.
- **Nayek, P. S., & Gade, M.** (2022). Artificial Neural Network Based Fully Data-driven Models for Prediction of Newmark Sliding Displacement of Slopes. *Neural Computing and Applications (Accepted)*

CONFERENCE PROCEEDINGS:

- **Nayek, P.S., & Gade, Maheshreddy.** "A novel integrated Finite Element model for dynamic analysis of slopes", 7th International Congress on Computational Mechanics and Simulations, IIT Mandi, 2019
- Patra, S. and **Nayek, P.S.** "Seismic Stability Analysis of Reinforced Soil Wall Using Modified Horizontal Slice Method", Indian Geotechnical Conference, 2017, IIT Guwahati

Hobbies:

- Football, Cricket, Cooking, Reading Mythological Stories, Travelling etc.

Other Particulars:

Date of Birth : 28/07/1991
Gender/Age : Male/30
Nationality : Indian
Languages : English, Hindi & Bengali.

References:

1. Dr. Maheshreddy Gade
Assistant Professor
School of Engineering
Indian Institute of Technology Mandi
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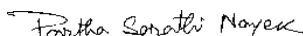
2. Dr. Shantanu Patra
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Indian Institute of Technology Bhubaneswar
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Declaration:

I hereby declare that all the above information is true to the best of my knowledge.

Date: 18-1-2022

Place: Kolkata (WB)


(Partha Sarathi Nayek)