

Devesh Soni

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Profile

Aspiring PhD candidate with a strong academic background and keen research interest in Geotechnical Engineering. Committed to practical research for efficient and sustainable solutions in geotechnical engineering.

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M. Tech.	Indian Institute of Technology, Guwahati	9.08 (Current)	2022-Present
B.Tech.	National Institute of Technology, Srinagar	6.878	2014-2018
Senior Secondary	RBSE Board	90.60%	2013
Secondary	RBSE Board	87.83%	2011

Project Works

Phytoremediation of oil contaminated Soil (July 2023 – Present)

M. tech. project - Dr. Ravi K, Associate Professor, Department of Civil Engineering, IIT Guwahati

- Experimental program to see geotechnical properties before and after phytoremediation of contaminated Soil
- Soil testing, compaction, consolidation, permeability, direct Shear test, particle size distribution by wet sieving, dry sieving, hydrometer and index properties of soil

Geotechnics of contaminated land (January 2023 - May 2023)

M. tech seminar project- Dr. Ravi K, Associate Professor, Department of Civil Engineering, IIT Guwahati

- Literature review- Modification of geotechnical properties of soil due to different types of contaminants

Slide-2 Modelling of landslide in Matia Pahar, Kamrup Assam (March 2023 -April 2023)

M. tech. course group mini project- Dr. Vivek Padmanabha, Assistant Professor, Department of Civil Engineering, IIT Guwahati

- Numerical analysis and modelling of landslide near Matia Pahar, Kamrup Assam using slide-2 software
- Slope stability analysis, geotechnical analysis

Experience

Civil Mate L & T ECC Meerut (UP) INDIA (Oct. 2019 – Aug. 2020)

- Proficient in project coordination and management, enhanced knowledge of construction safety regulations
- Planning assist, bar bending schedule making
- Prepared detailed progress reports, documenting daily activities, milestones achieved

Area of Interest

Ground improvement, reinforced soil, remediation of contaminated soil, unsaturated soil mechanics

Skills & Abilities

- Slide-2
- Scientific writing using Latex
- PLAXIS 2d
- MS Office
- Geotechnical testing
- MS Excel

Academic Referees

- Dr. Ravi K. | Associate professor- Department of Civil Engineering IIT Guwahati | ravi.civil@iitg.ac.in
- Dr. Vivek Padmanabha | Assistant professor- Department of Civil Engineering IIT Guwahati | vivekp@iitg.ac.in