

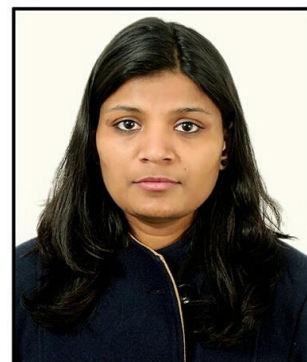
Dr. G G Singh

Ph.D. (Civil Engineering)

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Present Address:

Vill-Mojipur, Post-Anguli, Jaunpur, UP
223104



PROFILE

- A dedicated and motivated professional with strong teaching and research abilities, holding a Bachelor's degree in Civil Engineering, a Master's degree in Geotechnical Engineering and Underground Structures, and a Doctorate in Foundations. Passionate about continuous learning and innovation, with an interest in applying geotechnical expertise to improve the performance and sustainability of civil engineering systems.

BASIC ACADEMIC CREDENTIALS

Qualification	Board/University	Year	Percentage/CGPA
Ph.D.	MNNIT Allahabad, U.P.	2020-25	8.4 CGPA
M. Tech. (Geotech.)	NIT Hamirpur, H.P.	2017-19	8.5 CGPA
B. Tech. (Civil Engineering)	REC Bijnor U.P. (HBTI Campus)	2011-15	72.80%
Intermediate	Jawahar Navodaya Vidyalaya Sant Kabir Nagar U.P.	2010	85.40%
High School	Jawahar Navodaya Vidyalaya Sant Kabir Nagar U.P.	2008	81.60%

EXPERIENTIAL LEARNING (SUMMER TRAINING PROGRAM)

- Company Name - Vishnu Saran & Co. Kanpur.
- Project Title - Raft Foundation Study for an 8-storey Hospital Building
- Duration - (1st June to 15th July 2014)

PROJECT DETAILS OF B. TECH.

- Design of Rigid Pavement on NH-2 (Chakeri, Kanpur to Etawah).

THESIS DETAILS OF M. TECH.

- Behavior of Piled Raft Foundation in Layered Soil System.

PH.D. (AREA OF RESEARCH)

- Performance Study of Piled Raft Foundations Under Static & Dynamic Loading.

JOURNAL PAPERS

- Singh, G. G., Tiwari, R. P., & Kumar, V. (2025). Insights into the Behaviour of Piled Raft Foundations Under Vertical-Horizontal-Moment Loading Conditions. *Transportation Infrastructure Geotechnology*, 12(1), 60.
- Singh, G. G., Tiwari, R. P., & Kumar, V. (2024). Evaluating parametric influences on load-sharing behaviour of piled raft foundations. *National Academy Science Letters*, 1-6.
- Singh, G. G., Tiwari, R. P., & Kumar, V. (2024). Parametric analysis and performance evaluation of piled raft foundations: comparing hollow and conventional systems. *International Journal of Advanced Technology and Engineering Exploration*, 11(118), 1198.
- Singh, G. G., Tiwari, R. P., & Kumar, V. (2024). Parametric study of combined piled raft foundation for uniformly distributed surcharge over raft top surface. *Sādhanā*, 49(4), 291.

CONFERENCE PRESENTED

- Gyan Garima Singh, Deepak Anand, R.P. Tiwari & Vijay Kumar, “Dynamic Performance of Vertical Pile Raft Foundations: Experimental Insights from Shaking Table test” 10th Indian Young Geotechnical Engineers Conference (IYGEC) Conference held on 11-12th March 2025, IIT Indore, Madhya Pradesh, India.
- Gyan Garima Singh, R.P. Tiwari & Vijay Kumar, “Analyzing the Influence of Parametric Variations on the Load-Sharing Ratio of Piled Raft Foundations” The International Conference on Geomatics in Civil Engineering (ICGCE) 2024 held on 11-12th March 2024, Indian Institute of Technology (IIT) Roorkee,
- Gyan Garima Singh, R.P. Tiwari & Vijay Kumar, “Analysing Load Sharing Behaviour of Piled Rafts under V-H-M Loading” International Conference on Advances in Structural and Geotechnical Engineering held on 6-8 February 2025. IIT Patna.
- Gyan Garima Singh & Pradeep Kumar, “Settlement Behaviour of CPRF in Layered Soil System using ABAQUS 3D” Symposium on Recent Advances in Sustainable Geotechniques held on 17-20 October 2019. IIT Kanpur.

PATENT PUBLISHED

- Singh, D., Pandey, A., Kumar, S., Bee, Z., **Singh, G. G.**, et al. (2024). A Method for Mathematical Calculation of Compressive Strength Using Waste Materials for Soil Stabilization with Microstructural Analysis. Indian Patent Application No. 202411087677, published 29 Nov 2024.

FDP, WORKSHOP, AND SHORT-TERM COURSES

- Attended national workshop on “Challenges of Civil Engineering Infrastructure in 21st Century” organized by the Department of Civil Engineering, HBTU Kanpur under TEQIP-III on 23rd & 24th September 2019.
- Attended national workshop on “Role of Geotechnical Engineering in Developing Smart Cities and Sustainable Infrastructure” (GEOSMART-2025) organized by Department of Civil Engineering, MNNIT Allahabad and Indian Geotechnical Society Allahabad Chapter, Prayagraj-211004 on 14-18 February 2025.

ACADEMIC ACHIEVEMENTS

- GATE-2016 Qualified with Marks: 34.98 Score: 459, All India Rank: 6626.
- GATE-2017 Qualified with Marks: 38.29 Score: 450, All India Rank: 8971.
- GATE-2018 Qualified with Marks: 39.83 Score: 479, All India Rank: 9366.
- GATE-2019 Qualified with Marks: 50.01 Score: 596, All India Rank: 3769.

ACADEMIC EXPERIENCE

- Two-year teaching Experience from SDGI, Ghaziabad, UP, India. (2015-17)
- One-Year teaching Experience (Guest faculty) from HBTU, Kanpur, UP, India. (2019-20)

REFERENCES

- Dr. R.P. Tiwari, Professor CED, MNNIT Allahabad, Prayagraj, India.
- Dr. Vijay Kumar, Assistant Professor CED, MNNIT Allahabad, Prayagraj, India.
- Dr. R. M. Singh, Professor CED, MNNIT Allahabad, Prayagraj, India.
- Dr. Pradeep Kumar, Former Professor CED, HBTU Kanpur, India.

PERSONAL DETAILS

- **Father's Name** - Late Mr. Ram Lalit Singh
- **Mother's Name** - Mrs. Kamalavati Singh
- **Permanent address** - Vill: Mojipur, Post: Anguli, Tehsil: Shahganj, Distt: Jaunpur, Uttar Pradesh, 223104.
- **Date of Birth** - 13 April 1993
- **Interest & Hobbies** - Playing Chess.

DECLARATION

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

GYAN GARIMA SINGH