

Faculty Profile

Brief Profile

Dr. Nethravathi S is currently working as Assistant Professor, Department of Civil Engineering, R V College of Engineering, Bengaluru. She completed B.E. (Civil Engineering) in 2004 and M.E (Geotechnical Engineering) in 2006 from UVCE, Bengaluru and Ph.D from VTU in 2019. She has guided one Ph.D and guiding one more under VTU, Belgaum. She has supervised 12 M.Tech students and 72 UG students project. She has published over 23 Research articles in National / International conferences / Journals. She has served as the member for BoE and BoS in RVCE, UVCE, and Dr.AIT Bengaluru. She is actively involved in Soil Investigation and Consultancy projects. She has delivered invited lectures during Faculty development program. She is a life member of Indian Geotechnical Society and also served as Executive committee member of Karnataka Geotechnical Centre, Bengaluru.



Personal Information

- **Name:** Nethravathi S
- **Designation:** Assistant Professor
- **Department:** Civil Engineering
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Domain of Expertise

Research Focus

- **Primary Area:** Soil Stabilization
- **Allied Areas:** ; Ground Improvement, Use of Industrial Waste for Bulk Engineering Applications

Academic Qualifications

- **Ph.D.:** Civil Engineering, Visvesvaraya Technological University, Belgaum, 2019

- M.E: Geotechnical Engineering, University Visveswaraiah College of Engineering, Bangalore University, [2007]
- B.E./B.Tech: Civil Engineering, University Visveswaraiah College of Engineering, Bangalore University, [2004]

Professional Experience

Nil

Publications & Patents

Journal Publications

1. Shrithi S Badami and Nethravathi S, "Glass fiber reinforced rammed earth stabilized with cement and bagasse ash: empirical relationship between tensile and compressive strength – Part A", Cogent Engineering, Vol 11(1),2024. <https://doi.org/10.1080/23311916.2024.2434620>.
2. Ramesh H N, Madhavi K, Raghunandan M, Nethravathi S "Suitability of bagasse ash-lime mixture for the stabilization of black cotton soil" [Geomechanics and Engineering](#) 2022, 28(3), pp. 255–263
3. Nethravathi S, Ramesh H N, Udayashankar B C "Experimental studies on the effect of sugarcane bagasse ash-lime on the physical and mechanical properties of montmorillonitic soil" International Journal of Civil Engineering (IJCE) ISSN(P): 2278-9987; ISSN(E): 2278-9995, Vol. 7, Issue 5, Aug - Sep 2018; 13-22
4. Nethravathi S, Ramesh H N, Udayashankar B C , Chethan V "Studies on moulding water content on the strength behaviour of red earth treated with bagasse ash and Lime" International Journal of Civil Engineering and Technology (IJCET) Volume 9, Issue 11, November 2018, pp. 1896–1903, Article ID: IJCET_09_11_186 ISSN Print: 0976-6308 and ISSN Online: 0976-6316
5. Rashmi S, Nethravathi S "Stabilized mud mortar" International Journal of Research in Engineering and Technology eISSN: 2319-1163 pISSN: 2321-730 Volume:03 Special Issue: 06May 2014, pp 233-239
6. Nethravathi .S, Ramesh H. N, B. C.Udayashankar, Lakshmi Priya " Effect of moulding water content on the strength behavior of black cotton soil treated with bagasse ash and lime" International Research Journal of Engineering and Technology , e-ISSN:2395-0056,, Volume 05, Issue 7, July 2018

7. Nethravathi S, Ankur Dobriyal, Ramesh H N “Earthquake disaster management” Journal of Civil engineering technology and Research ISSN: 2349-9575 pISSN: 2321-730 Volume:02 Issue: 01, pp 32-35
8. Anupama B R, Nethravathi S “Hollow stabilized mud blocks” Journal of Civil engineering technology and Research ISSN: 2349-9575 pISSN: 2321-730 Volume:02 Issue: 01, pp 225-232

Conference Papers

1. Mallikarjuna G, Nischith Nirmal Raj, Nethravathi S “Dispersive Soil Stabilization using Biopolymers, Bioenzymes, Additives as a Subgrade Material - A Review Paper”, ECS Transactions, 2022, 107(1), pp. 1043–1061, RVCE, Bengaluru
2. Nethravathi S, Ramesh H N, Udayashankar B C “Improvement of Strength of Expansive Black Cotton Soil Using Sugarcane Bagasse Ash-Lime as Stabilizer” GEO EDMONTON 2018, 71st Canadian Geotechnical Conference during 22- 26 September 2018, Edmonton, Canada
3. Nethravathi S, Ramesh H N, “ Bagasse ash as a pozzolonic material”, Proceedings of International conference in ASCE, 1-6 October, 2014 at Hyderabad, India, pp 2680-2687.
4. Nethravathi S, Ramesh H N, “Dynamic Response of Model Footings Over A Rigid Base Under Vertical Vibrations”, Proceedings of International Association for Computer Methods and Advances in Geomechanics (IACMAG), 1-6 October, 2008 at GOA, India, pp 2680-2687.
5. Samarth S, Nethravathi S, Nagakumar M S, Venugopal G “Analysis and Design of Pile Foundations for Sewage Treatment Plant” , [Lecture Notes in Civil Engineering](#) 2020, 84, pp. 363–372 (IGC-2018, IISc, Bengaluru)
6. Nethravathi S, Anand Kumar B G “Studies on Strength Properties of Lithomargic Soil Blended with Bagasse Ash and Sodium Salts” at Proceedings of Recent Innovations in Civil Engineering” during 27-28th March 2018 , Saveetha University, Chennai
7. Anand Kumar B G, Nethravathi S “Engineering Behavior of Cohesion Less Soil Reinforced With Plastic Waste” at Proceedings of Recent Innovations in Civil Engineering” during 27-28th March 2018 , Saveetha University, Chennai
8. Nethravathi S, Ramesh H N, Lakshmi Priya “Strength behaviour of black cotton soil –bagasse ash mixtures treated with lime” at Proceedings of Indian Geotechnical Conference IGC-2014, December 18-20, 2014, Kakinada, India

9. Nethravathi S, Ramesh H N, "Effect of Bagasse Ash on Index Properties of Lime Treated Black Cotton Soil" at Proceedings of National Conference GEPSID-2014, Gurunanak Dev Engineering College, October 10-12, 2014, Ludhiana, India
10. Nethravathi S, Ramesh H N, Lakshmi Priya "Role of Moulding Water Content on The Strength Properties of Lime Treated Black Cotton Soil In Presence of Bagasse Ash" at Golden Jubilee Conference of the IGS Bangalore Chapter, Geo-Innovations, 30-31 October 2014
11. Nethravathi S, Ramesh H N "Innovations in foundation practices" at National conference on Innovations and challenges in Civil Engineering (ICICE 13), 26-27 September 2013 at Raja Rajeswari college of Engineering, Bangalore
12. Nethravathi S, Ramesh H N "An overview of ground related vibrations-factors to be considered while planning a facility" at GEOINDEX -Indian Geotechnical Conference (IGC-2006) held on 14-16th December, 2006 at IIT, Chennai, India, pp 799-802

1. Books/Book Chapters

Chethan S, Ramesh H N, Nethravathi S "Effect of Bagasse Ash Admixture on Geotechnical Properties of Shedi Soil in Addition with Lime and Sodium Salts" In: Sundaram R., Shahu J., Havanagi V. (eds) Geotechnics for Transportation Infrastructure. Lecture Notes in Civil Engineering, vol 29. Springer, Singapore. https://doi.org/10.1007/978-981-13-6713-7_33 (2019) (National Symposium at IIT, Delhi, 2018)

Consultancy Projects

Ongoing & Completed Consultancy Projects

- Soil Investigation for proposed R V University at Mysore campus, Nanjanagud, Mysore
- Soil Investigation for Bettadapura Multi village water supply scheme, Mysore district
- Soil Investigation for Multi village water supply scheme, Hanur taluk, Chamarajanagar district
- Soil Investigation for proposed layout for Royal Developers at Kengeri , Bengaluru
- Soil Investigation for M/s Power Grid corporation of India Ltd, Bidadi
- Soil Investigation and SBC determination at Yeliyur sub- station of South Western railway projects.

Professional Memberships

- Indian Geotechnical Society-IGS(LM-3686)
- Executive committee: Indian Geotechnical Society, Bangalore Chapter

Awards & Recognitions

- Nil

Student Supervision

- Ph.D. Candidates: 01 full time research scholar working on Geo-Environmental Engineering (and 01 Part time research scholar awarded degree from VTU, Belgaum-2025
- M.Tech/M.Sc. Students: 08
- Undergraduate Research Mentees:

Professional Roles

- Editorial Board:

Scientific reports- Springer Nature,

Arabian journal of geosciences,
- Committee Member:
 - ✓ Convener, Seminar on “Research avenues in Geotechnical Engineering” Jan 2014 at RVCE, Bengaluru
 - ✓ Member, Organising committee, Indian Geotechnical Society Annual Conference – IGC 2018 conducted at Indian Institute of Science, Bangalore during 13-15 December 2018

• Teaching

Core Courses: [Current semester]

- Geotechnical Engineering(CV363IA),
- Environment & Sustainability(CV232AT),
- **Advanced/Lab Courses:**Nil

Professional Roles Responsibilities

- Administrative: Geotechnical Laboratory -In charge
- Academics: Academic monitoring committee-member

External Connect

- Board of Examiner- Expert member for PG studies -Geotechnical Engineering-University Visveswaraiah College of Engineering
- Board of Examiner- Expert member B.E (Civil Engineering) -Dr. Ambedkar Institute of Technology, Bengaluru