# Faculty Profile


Dr. Shrithi S. Badami is a dedicated and research-driven academician with a Ph.D. in Civil Engineering and expertise in structural engineering, concrete technology, masonry structures, and earthquake-resistant structures. Currently serving as Assistant Professor at RVCE, with a strong track record in teaching, mentoring, and interdisciplinary research. Her expertise spans across structural engineering, concrete technology, masonry structures, and earthquake-resistant design. She actively engages in teaching, mentoring, and collaborative research, contributing significantly to advancements in sustainable civil infrastructure.

Primary research focus includes sustainable construction processes and the development of eco-friendly building materials, with a particular focus on mud-based construction techniques. She also explores allied areas such as the use of nanomaterials and biomineralisation in enhancing the durability and sustainability of structures. Her work reflects a commitment to environmentally responsible engineering practices, addressing both traditional and emerging challenges in construction.

## Personal Information


- **Name:** SHRITHI S BADAMI
- **Designation:** Assistant Professor
- **Department:** CIVIL ENGINEERING
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## Domain of Expertise

Structural engineering, Concrete technology, Masonry structures, Earthquake resistant structures.

## Research Focus

- **Primary Area:** Sustainable construction processes, Sustainable materials, Mud based constructions.
- **Allied Areas:**
    - Nanomaterials
    - Biomineralisation

## Academic Qualifications

- **Ph.D.**: Civil Engineering, Visvesvaraya Technological University, 2025

- **M.Sc./M.Tech**: Computer Aided Design of Structures, Visvesvaraya Technological University,2013
- **B.E./B.Tech**: Civil Engineering, Visvesvaraya Technological University,2011

# Professional Experience

| Experience | | | |
|---|---|---|---|
| **S.No** | **Institute/College/Industry** | **Job Title** | **Duration (From- To)** |
| 1. | Adichunchanagiri Institute of Technology | Assistant Professor | August 2013-October 2015 |
| 2. | RV College of Engineering | Assistant Professor | August 2016-till date |

# Publications & Patents

## Journal Publications

1. *Shrithi S. Badami; Nethravathi S, "Glass fiber reinforced rammed earth stabilized with cement and bagasse ash: empirical relationship between tensile and compressive strength – Part A", Cogent Engineering, 2024-12-31, 10.1080/23311916.2024.2434620*
2. *Shrithi S. Badami, "Experimental analysis of utilization of Shahabad stone waste in concrete", Indian Concrete Journal,2017.*
3. *Shrithi S Badami "Stabilisation of Black Cotton Soil by Random Inclusion of Sisal Fibre International Journal of Innovative Research in Science,Engineering and Technology International Volume-6 ISSN (Print) : 2347-6710,issue 2 pg 1535-1542*
4. *Shrithi S. Badami, P. Kamatchi and Nagesh R Iyer, "Site-Specific Analyses of Framed Buildings Located At Deeper Alluvial Basin Through 1d And 2d Ground Response Analyses, Asian Journal Of Civil Engineering (Bhrc) Vol. 16, No. 2 (2015) Pages 269-290.*
5. *Shrithi S Badami , Avinash Gornale, et, al "Comparison Of Symmetric And Asymmetric Steel Diagrid Structures By Non-Linear Static Analysis",., International Journal Of Research In Engineering And Technology, Volume: 04 Issue: 05, May-2015,Pp 486-492.*
6. *Shrithi S Badami, et, al. "Buckling Analysis of Plate Element Subjected to In Plane Loading Using ANSYS", International Journal Of Innovative Research In Science, Engineering And Technology, Vol. 4, Issue 5, May 2015, Pp 3121-3130.*
7. *Shrithi S Badami, et, al. "Study on Behavior of Plate Element Subjected to Dynamic Loading using ANSYS", International Journal of Engineering Research & Technology, Vol. 4 Issue 05, May-2015, Pp 209-215.*

## Conference Papers

8. *Sustainable use of Grey water for Lower Floor Toilet Flushing" - Shrithi S Badami, M C Sampath Kumar, et,al.,.Third international conference on Nano-technology and materials science, Rome, Italy 2019,*

9. *"Site Specific Alanyses For Deeeper Soil Strata", Shrithi S Badami, P Kamatchi, S B Vanakudre and Nagesh R Iyer, International Conference on Engineering Materials and Processes, 23rd and 24th May 2013, Pp 257-259.*

### Books/Book Chapters

1. *Shashi Kiran, C.R., Gowtham Prasad, M.E., Ashwin Thammaiah, K., Shrithi. S, Badami., Shruthi, H.G., Sampathkumar, M.C. (2022). Drought Risk Assessment Using NDVI—A Case Study. In: Heggy, E., Bermudez, V., Vermeersch, M. (eds) Sustainable Energy-Water-Environment Nexus in Deserts. Advances in Science, Technology & Innovation. Springer, Cham. https://doi.org/10.1007/978-3-030-76081-6_29*
2. *Ashwin Thammaiah, K., Shruthi, H.G., Gowtham Prasad, M.E., Shashi Kiran, C.R., Shrithi. S, Badami., Sampathkumar, M.C. (2022). Enviro-Safe Stabilization of Black Cotton Soil—Experimental Study with Optimal Proportion of Stabilizer. In: Heggy, E., Bermudez, V., Vermeersch, M. (eds) Sustainable Energy-Water-Environment Nexus in Deserts. Advances in Science, Technology & Innovation. Springer, Cham. https://doi.org/10.1007/978-3-030-76081-6_90*

### Patents [Filed / Published / Granted]

NA

## R & Grants & Consultancy Projects

NA

## Ongoing & Completed Research Projects

NA

## Ongoing & Completed Consultancy Projects

NA

## Professional Memberships

NA

## Awards & Recognitions

NA

## Student Supervision

- **Ph.D. Candidates:** NA
- **M.Tech/M.Sc. Students:** 4
- **Undergraduate Research Mentees:** 28

## Professional Roles NA

## Teaching

### Core Courses: [Current semester]

- CV244AI Building Planning and Drawing
- CV232TA Environment & Sustainability

### Advanced/Lab Courses:

- Advanced cementitious composites- MST322IA, CV244AI Building Planning and Drawing

## Professional Roles NA

## Responsibilities

- **Academic:** CIE coordinator, AICTE coordinator, NIRF.
- **Administrative:** College level documentation.

## External Connect

- NA