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## Mrs. SPOORTHI B

Assistant Professor in CE

### Faculty

Faculty of Engineering and Technology

### School / Program

School of Engineering  
B.Tech. in Civil Engineering

### Faculty Introduction

Mrs. Spoorthi B serves as an Assistant Professor in the Department of Civil Engineering, School of Engineering, GM University. With a strong academic background and research focus in Environmental Engineering, she teaches core subjects like Water and Wastewater Treatment, Solid Waste Management, and Fluid Mechanics. Her teaching methodology integrates site visits, experimental learning, and interactive tools to enhance student engagement. She is currently pursuing her Ph.D. on the development of a Hybrid Fenton System for landfill leachate treatment. Actively involved in research, events, and student development activities, she contributes significantly to both academic and institutional growth.

### Qualifications

**Ph.D. (Environmental Engineering)**  
VTU, Belagavi, 2024 (Pursuing)

**M. Tech. (Environmental Engineering)**  
VTU, Belagavi, Karnataka, 2019

**BE (Civil Engineering)**  
VTU, Belagavi, Karnataka, 2014

### Experience

#### Teaching

- 1 Year at GM University, Davanagere
- 4 Years at GMIT, Davanagere
- 1 Years at University BDT College of Engineering, Davanagere
- 8 months at Government Polytechnic, Hiriyur

- 6 months at Gnana Vikasa Polytechnic, Chitradurga

#### Industry

- 2 Years at Zilla Panchayath, Chitradurga

#### Research

- Development and Optimization of Hybrid Fenton System for the Treatment of Landfill Leachate

#### Training Program Attended

- Attended Two-Day Workshop on "Product Design" organized by Idea Lab, GM University at GM University Campus, Davanagere from 28th to 29th August, 2025.
- Attended Three days Faculty Development Program on "Academic Processes Handbook" organized by Faculty and Staff enrichment center, GM University at GM University Campus, Davanagere from 13<sup>th</sup>, 14<sup>th</sup> and 17<sup>th</sup> August, 2025.
- Attended Three days Faculty Development Program on "AUTO CAD 2D and 3D " organized by Faculty and Staff enrichment center, GM University at GM University Campus, Davanagere from 3th to 5th October, 2024.
- Attended Two Days Faculty Development Program on "Research Symposium" Organized by the Research and Innovation Division, GM University, Davanagere from 26th to 27th September, 2024.
- Attended Two days Faculty Development Program on "AI in Academics and Industry" at Intel SRR Campus in Bengaluru from 3th to 4th November, 2023.

#### Research Interest

- Advanced Oxidation Process
- Water Treatment Technologies
- Wastewater Treatment Techniques

#### Awards & Achievements

- PATENT NO. 202341010713 granted on 17 February 2023 on VANET- IoT Based Intelligence Traffic Management System for Smart Cities.

#### Publication / Patents

- Ph.D. Dissertation: Nil
- National Conference Papers:01
- International Conference Papers:02
- National Journal Papers:01
- International Journal Papers:01



#### Professional Membership

- Nil

#### Awards & Recognitions

- Nil

#### Administrative Responsibilities

- University Level- Associate Head – Innovation and Design Thinking

#### Workshops / FDPs / Seminars Attended

- Attended Two-Day Workshop on "Product Design" organized by Idea Lab, GM University at GM University Campus, Davanagere from 28th to 29th August, 2025.
- Attended Three days Faculty Development Program on "Academic Processes Handbook" organized by Faculty and Staff enrichment center, GM University at GM University Campus, Davanagere from 13<sup>th</sup>, 14<sup>th</sup> and 17<sup>th</sup> August, 2025
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#### Workshops / FDPs / Seminars Organized

- Review and Relearn Session on Environmental Studies for the Civil Engineering faculty of GMIT.

#### Projects Guided

##### UG Projects

- Sustainable advanced oxidation approach for the treatment of landfill leachate using Photo-Fenton Process in the academic 2025-26.
- Rejuvenation of borewell with inline phytorid treatemnt technology in the academic 2024-25.
- Feasibility Study on The Application of Phytorid Treated Domestic Wastewater in the academic 2023-24.



- Treatment of sewage by sonolysis process in the academic 2022-23.
- An experimental study on Response Surface Methodology for the treatment of GMIT campus sewage by using Fenton process in the academic 2021-22.

#### **Funded Projects / Grants Received**

- New Age Innovation Network (NAIN) organized by K-Tech, Karnataka sanctioned Rs.1,49,000/- for the project titled on "Rejuvenation of Bore well with inline Phytorid Treatment Technology" in the academic year 2024-25.
- The project proposal titled "Feasibility Study on The Application of Phytorid Treated Domestic Wastewater" has been approved, and a grant of ₹5,000 has been sanctioned for the 47th series of the Student Project Program in the academic year 2024-25.
- The project proposal titled "Treatment of Sewage by Sonolysis Process" has been approved, and a grant of ₹5,000 has been sanctioned for the 46th series of the Student Project Program in the academic year 2022-23.
- The project proposal titled "An experimental study on response surface methodology for the treatment of GMIT campus sewage by using Fenton process" has been approved, and a grant of ₹4,700 has been sanctioned by VTU in the academic year 2021-22.
- Amrit Sarovar Mission organized by AICTE in collaboration with Ministry of Education Govt. of India and Ministry of Housing and Urban affairs, Govt. of India for the Rejuvenation of Musafirkhana and Honda at Santhebennur, Davanagere- Rs.2,00,000 in the year 2022.

#### **Any Other Contributions**