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# Dr. Bharatharaj Etigi Y B

Professor and Head, Dept. of Civil Engineering

## Faculty

Faculty of Engineering and Technology

## School / Program

School of Engineering  
B.Tech. in Civil Engineering

## Faculty Introduction

Dr. Bharatharaj Etigi Y. B, Professor and Head of Civil Engineering at GM University, Davanagere, have over 21 years of academic and industry experience. His expertise lies in structural engineering, focusing hybrid concrete, ferrocement technology and sustainable materials. He has researched slurry infiltrated hybrid fibrous ferrocement and also the use of mineral admixtures in concrete for improved durability and environmental impact studies. A life member of ISTE, he blends research and practical experience to promote sustainable civil engineering practices.

## Qualifications

**Ph.D. in Faculty of Civil Engineering Sciences**  
Visvesvaraya Technological University, Belagavi. 2022

**M. Tech. in Industrial Structures**

Visvesvaraya Technological University, Belagavi. 2004

**BE in Civil Engineering**

Kuvempu University, Shankaraghata, Shivamogga. 2001

## Experience

### Teaching

- 02 Years at GM University, Davanagere.
- 17 Years at GM Institute of Technology, Davangere.
- 02 Years at University BDT College of Engineering, Davangere.

### Industry

- 01 Years at Hutchison Essar Telecom Ltd

### Research

- **Hybrid Fibre Reinforced Concrete and Ferrocement**

### Training Program Attended

- Application of Ultrasonic Pulse Velocity Equipment for Non-Destructive Testing in Consultancy Services
- Leadership Training Program 25/06/2024 to 26/06/2024 at GM University
- Leadership Training Program 12/03/2025 to 13/03/2025 at School of Design Thinking Lab, Chennai

### Research Interest

- Sustainable and Durable Construction Materials
- Hybrid Fibre Reinforced Concrete
- Ferrocement Applications

### Awards & Achievements

- APPARATUS AND METHODS FOR FILLING A PIT (App. No. 202241012814, Filed 09/03/2022, Published 18/03/2022).

### Publication / Patents

- Y B Bharatharaj Etigi, H R Prabhakara, K B Prakash Strength Characteristics of Slurry Infiltrated Hybrid Fibrous Ferrocement, Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 6, June 2019.
- Kiran Kumar H S, Bharatharaj Etigi Y B, Varun B K, Punith C G, Water Quality Analysis of Avaragere Lake- A Case Study, International Research Journal of Engineering and Technology, Vol. 5, Issue 12, 526-532, Dec 2018.
- Kiran Kumar H S, Bharatharaj Etigi Y B, Varun B K, Punith C G, Water Quality Analysis of Aghanashini Estuary, Karnataka- A Case Study, International Research Journal of Engineering and Technology, Vol. 5, Issue 12, 609, Dec 2018.
- B K Varun, Harish B A, Y B Bharatharaj Etigi, Kiran Kumar H S, Hanumesh B M, Effect of Red Mud and Silica Fume on Cement Concrete in the Fresh and Hardened State, International Journal for Research in Applied Science and Engineering Technology, Vol. 6, 522-528, Dec 2018.
- B K Varun, Y B Bharatharaj Etigi and S. Neelambike., Effect of Metakaolin and Fly Ash Addition on Fresh and Hardened Cement Concrete, International Journal of Recent Advances in Multidisciplinary Topics, Vol. 4, 2023.
- B K Varun, Y B Bharatharaj Etigi and S. Neelambike., Sugarcane Bagasse Ash Addition has a Positive Impact on Both the Fresh and Hardened Properties of Cement Concrete, International Journal of Recent Advances in Multidisciplinary Topics, Vol. 4, 2023.

### Professional Membership

- Indian Society for Technical Education. (Membership No. LM 108238) (Life Member)

### Awards & Recognitions

### **Administrative Responsibilities**

- Director for Campus Management
- 5S Leader
- Idea lab-Consultancy
- Member of Magazine committee
- Member of Hostel committee
- Member of Anti-Ragging committee

### **Workshops / FDPs / Seminars Attended**

- Three days workshop on Rivet Architecture 03/10/2024 to 05/10/2024
- Workshop on “Research Methodology and Latex”, 09th to 11th September 2014 at Shree Devi Institute of Technology-Managalore.

### **Workshops / FDPs / Seminars Organized**

- Waterproofing & Tile Adhesive Training Program” under the UltraTech Skill Honing Academy (USHA) initiative for Practicing Civil Community, on 06/08/2025
- Waterproofing & Tile Adhesive Training Program” under the UltraTech Skill Honing Academy (USHA) initiative for Civil Contractors, on 17/09/2025

### **Projects Guided**

- UG Projects – Total 15 number of UG Projects guided in that 3 number of projects selected by KSCST.

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

### **Any Other Contributions**