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Mr. Puttaraj M H

Professor in Civil Engineering, Assistant Professor.

Faculty

Faculty of Engineering and Technology

School / Program

School of Engineering

B.Tech. in Civil Engineering Engineering

Faculty Introduction

Mr. Puttaraj M H is an Assistant Professor in the Department of Civil Engineering at GM University, Davangere. Specialized in construction Technology and Management, with a focus on sustainable materials and innovative construction practices. Earned my M.Tech and B.E from Visvesvaraya Technological University Belagavi. I have conducted research on the utilization of waste plastics in floor tiles and bricks, promoting eco-friendly construction solutions such as, Alternative building materials, Green Composites, Green Materials and Sustainable Technologies. My work integrates material science and sustainable engineering to address modern construction challenges.

Qualifications

M. Tech. (Construction Technology and Management)

Visvesvaraya Technological University – Belagavi, Karnataka, 2017

BE (Civil Engineering)

Visvesvaraya Technological University – Belagavi, Karnataka, 2013

Experience

Teaching

- 1 Year at MITE, Mangaluru
- 8 Years at GMIT, Davanagere

Industry

- 1 Year at Sri Navadurga Constructions Ltd.

Research

- Sustainable Building Materials- Green Materials

Training Program Attended



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GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

- Training Program on ‘Remote sensing and GIS technology and application for university teachers & Government officials’ by ISRO, Dehradun on 13-06-2020 to 13-7-2020
- Workshop on ‘Introduction to LEED for design & Construction’ by United States Green Building Council on 03-06-2021.
- FDP on “Building Information Modeling” organized by Andra Pradesh State Skill Development Corporation.
- FEP on “Fluid Mechanics” by VTU, Belagavi on 27-08-2018 to 31-08-2018
- Faculty Development programme on “Information and communication technology & Outcome based education by GMIT on 16-07-2022
- Workshop on “Product Design” by GMU, Davanagere on 22-08-2025
- FDP on “English Language Training” By GMU, Davanagere on 22-07-2025 to 27-07-2025
- Leadership Training Program by GMU, Davanagere.

Research Interest

- Green Building Technology.
- Sustainable Materials.
- Fluid Mechanics
- Alternate Building Materials.
- Green Technology.
- Soil Mechanics

Awards & Achievements

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Publication / Patents

- Mr. Puttaraj MH *et.al.* P “Reuse of Plastics Waste for The Production of Floor Tiles” Seybold Reports, Volume 15 issue 8 Aug 2020, ISSN:1533-9211.
- Mr. Puttaraj M Hiremath *et.al.* “Utilization of Waste Plastic in Manufacturing of Plastic-Soil bricks”, IJTEEE, Volume 2 Issue 4, ISSN2347-4289.
- Mr. Puttaraj M H *et.al.* “Mechanical Characterization Of Glass Fiber Reinforced Polymer (GFRP) Bars”, IJTEEE, Volume 3, Issue 4, ISSN2347-4289
- Ms. Sowmya S M, Mr. Puttaraj M Hiremath, “Potential Usage of Construction and Demolition waste in the Manufacture of Concrete Blocks”, IRJET, Volume 4, Issue 8, ISSN2395 -0072
- Mr. Puttaraj M H, *et.al.* “Potential Usage of Solid Waste Composites in the Manufacturing of Eco-friendly Cement Bricks”, IJSART, Volume 4 Issue 5, ISSN [ONLINE]: 2395-1052, pp 1536-1542
- Mr. Puttaraj M H *et.al.* “Strength Characteristics of Ecofriendly Cement Bricks Using Solid Waste Composites”, IJSART, Volume 4, ISSN [ONLINE]: 2395-1052, pp 1697-1702.
- Mr. Puttaraj M H “Experimental Study on Fly ash Bricks” 14th ISTE annual Convention & National Conference on Emerging trends in Engineering, Research & Management”2021
- Mr. Puttaraj M H “Experimental Study on Green Blocks” International Conference on emerging Trends in Science, Engineering and Management 2018



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Professional Membership

- Indian Society for Technical Education. (Membership No. LM129487) (Life Member)
- Hong Kong Chemical, Biological & Environmental Engineering Society (Life Time)

Awards & Recognitions

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Administrative Responsibilities

- Department Level: Placement Coordinator, Academic Project Coordinator, Internship Coordinator, Member of IIC, FASEC coordinator.
- University Level: Member of Centre for Industry, Government Sponsored Research Development.

Workshops / FDPs / Seminars Attended

- National Workshop on “Virtual Lab Sessions” by Virtual Labs, MHRD Date: 14-05-2020 Online mode
- National Workshop on “Challenges in Concrete Technology” by ICI Chennai & Bengaluru Centre Date: 30-05-2020 Online mode
- Workshop on “Advanced Mathematical Techniques in Research & engineering Applications” by ISTE-IQAC GMIT, Davanagere Date:29-30th 2018
- Workshop on “Latex in Research activities” by R&D GMIT, Davanagere Date:15th -17th July 2020
- Technical Training on “Various Reinforced Soil Walls and Slope Systems” by IIT, Silchar Date: 15-05-2020 online Mode.
- Faculty Development programme on “Total station & E-surveying” by GMIT, Davanagere Date:08-07-2022
- Faculty Awareness Program on NBA and NAAC “Teaching Learning Process to Enhance Program Outcomes”
- Workshop on “Software Up skill program- Revit Architecture” by GMU, Davanagere Date:03-5-2025

Workshops / FDPs / Seminars Organized

- Faculty Development Programme (FDP) on “Up skilling of AUTOCAD 2019” Organised by: Faculty and Staff Enrichment Centre
- Faculty Development Programme (FDP) on “Review and relearn of Environmental Studies Course” Organised by: Department of Civil Engineering.
- Faculty Development Programme (FDP) on “Software Up skill Program- Revit Architecture” Organised by: Department of Civil Engineering.
- Two Day Workshop on “MS Project” for Civil Engineering Semester students, Organised by: Department of Civil Engineering.

Projects Guided

- Plastic Soil Bricks
- Fly ash Interlocks



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- Plastic Tile
- Stabilised Adobe Blocks
- Green Concrete
- Strength Assessment of Geopolymer Blocks
- BRTS proposal for Harihar to Davanagere.
- Light duct; Green Technology

Funded Projects / Grants Received

- Stabilized adobe blocks using waste products
- Principal Investigator: Mr. Puttaraj M H
- Department of Civil Engineering, KSCST, IISC Grant
- Sanctioned Amount of 5500.00/- AY 2024-2025
- Plastic Tiles
- Principal Investigator: Mr. Puttaraj M H
- Department of Civil Engineering, KSCST, IISC Grant
- Sanctioned Amount of 6000.00/- AY 2023-2024
- Hollow Plastic Bricks
- Principal Investigator: Mr. Puttaraj M H
- Department of Civil Engineering, GMU Seed Grant, Amount Sanctioned of 20000.00/- AY 2024-25

Any Other Contributions