



Malnad College of Engineering, Hassan
(An Autonomous Institute, Affiliated to V.T.U, Belagavi)

Faculty Biodata

GENERAL INFORMATION AND ACADEMIC BACKGROUND

PART-A

1.	Name (in Block Letters)	SHAMANA B S
2.	Qualification	M. Tech
3.	Date of joining the service at MCE	30/08/2023
4.	Department	Civil Engineering
5.	Current Designation & Experience in MCE	Assistant Professor & 3 year
6.	Teaching Experience: P.G. (in Years): U.G. (in Years):	3 years in UG and 2 years in PG
Research Experience (in Years)		
7.	a) Total Number of years b) Years spent in M. Phil. / Ph.D. c) Years of Guiding Ph.D. / M. Phil. d) Total No. of papers Published in i. International Journals ii. National Journals iii. Conference Proceedings e) Total No. of Conferences/Seminar/Workshop Attended i. International ii. National iii. State Level	2 - - 2 2
8.	Awards /Prizes/ Honor's / Recognitions	-
9.	Fields of Specialization under the Subject / Discipline	-
10.	Orientation/ Refresher Course/ Summer School / Winter School/Workshops attended:	-

PART-B

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Comparative Seismic Analysis of Regular and Irregular Multistorey Structures with and without Bracings and Shear wall B S Shamana ¹ , K C Manu ² and C Madhushree ³	2024	10.1088/1755-1315/1387/1/012012
2.	Progressive collapse of regular RC structure considering flexibility of slabs under gravity and wind loads M S Chandini ¹ , K C Manu ² and B S Shamana ³	2024	10.1088/1755-1315/1387/1/012011
3.	Testing the Appropriateness of Lumped Hydrological Model in Groundwater Recharge Estimation for a Small Catchment in Karnataka, India Madhushree C, Akhila C G, Lavanya H D, Shamana B S, Tapaswi H V, Chandini M S	2025	https://doi.org/10.64252/vn6wx161

3. Responsibilities in the Department and Institute / University: (DAC, DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre Chairperson, IQAC Coordinator etc.)

Sl. No	Responsibilities
1.	Contineo Coordinator
2.	CIE Coordinator
3.	Paper Seeing Coordinator
4.	Library Coordinator
5.	E-Attestation Officer (Scholarship)
6.	AICTE/UGC/VTU/LIC Coordinator
7.	PG CAD Laboratory
8.	Consultancy and testing activities
9.	Physical Education activities
10.	Anti Ragging Committee member
11.	NAAC NBA
12.	Syllabus Compilation Coordinator

4. Details of Teaching Related Activities

Sl. No.	Academic Year	(B. E/ M.Tech)	Course Title
1.	2023-24	B. E	Design of Bridges and Flyovers
2.	2023-24	B. E	Environmental Engineering Laboratory
3.	2023-34	B. E	Engineering Survey
4.	2023-24	B. E	Computer Aided Building Planning and Drawing
5.	2024-25	B. E	Introduction to Civil Engineering
6.	2024-25	B. E	Ground Water Hydraulics
7.	2024-25	B. E	Biology for Engineers
8.	2024-25	B. E	Environmental Studies
9.	2024-25	M. Tech	Building Information Modelling
10.	2024-25	M. Tech	Design of Structural Systems for Bridges and Flyovers
11.	2025-26	B. E	Engineering Survey
12.	2025-26	B. E	Ground Water Hydraulics
13.	2025-26	B. E	Introduction to Civil Engineering
14.	2025-26	B. E	Biology for Engineers
15.	2025-26	M. Tech	Building Information Modelling
16.	2025-26	M. Tech	Design of Structural Systems for Bridges and Flyovers
17.	2026-27	B. E	Research Methodology and Intellectual Property Rights
18.	2026-27	B. E	Quantitative Aptitude

Professional Development Activities		
	Membership in profession related committees at state and national level a) At International b) At national level: c) At state :	-
	Participation in subject associations, conferences, seminars without paper presentation	-
	Participation in short term training courses less than one week duration in educational technology, curriculum development, professional development, Examination reforms, Institutional governance	-
	Membership/participation in State/Central Bodies/Committees on Education, Research and National Development	1
	Publication of articles in newspapers, magazines, or other publications (not covered in category 3); radio talks; television programmes	-
	Invited Expert Talks	-

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programs attended

1. AI and IoT for Resilient Infrastructure and Advanced Disaster Management at SRM Madurai College for Engineering & Technology from 19/01/2026 to 24/01/2026.
2. 5-Day Online Faculty Development Programme (FDP) on “Advanced Materials and Manufacturing Technologies” organized by the Department of Mechanical Engineering, Malnad College of Engineering, Hassan, held during 04 – 08 May 2026.
3. “AI & Quantum Driven Image Processing: From Theory to Practice” organised by the Department of Electronics and Communication Engineering, DSCE, Bengaluru, from 9th to 14th February 2026.
4. Innovation Ambassador (IA) training 'Foundation Level' (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell & AICTE on 27/04/2026 during the IIC calendar year 2025–26.
5. Innovation Ambassador (IA) training 'Reskilling' (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell & AICTE on 02/06/2026 during the IIC calendar year 2025–26.
6. Innovation Ambassador (IA) training 'Advanced Level' (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell & AICTE on 02/05/2026 during the IIC calendar year 2025–26.
7. “Climate Resilience, Water Security and Energy Transition: Pathways for Sustainable Development” from 5th January 2026 to 7th January 2026 organized by Department of Civil Engineering, Dr. D.Y. Patil Institute of Technology, Pimpri, Pune-18 in Association with American Society of Civil Engineers.
8. Advances in New Age Alloys and Composites with the advent of AI/ML and 3D Printing, Bearys Institute of Technology, Mangalore 7th April 2025 to 9th April 2025.
9. Revolutionizing Construction with Sustainable Advanced Materials at Synergy Institute of Technology, from 10th November 2025 to 15th November 2025.
10. Automation in Civil Engineering at Pace Institute of Technology and Sciences from 03rd February 2025 to 08th February 2025.
11. Role of Artificial Intelligence and Automation in Civil Engineering at Dr. D. Y. Patil Institute of Technology, Pimpri, From 24th March 2025 to 28th March 2025.
12. Patent & Copyright Awareness for Innovators & Integrating Sustainability in Design and Construction at Kasegaon Education Society's Rajarambapu Institute of Technology (Polytechnic) Lohagaon, Pune 07th November to 10th November 2025.
13. 2nd Series of Advancements in Concrete Technology (AICT-2023), a five-day Faculty Development Programme conducted from 2nd to 7th November 2023 at Ballari Institute of Technology and Management, Ballari.
14. Five-day Faculty Development Programme on "Water Resources Management & Fluvial Hydraulics" conducted from 27th to 31st March 2024 at Dr. B. R. Ambedkar National Institute of Technology.

15. Global Symposium on "Sustainable Development in Civil Engineering" held on 19th and 20th January 2024 at Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.
16. Five-day Faculty Development Programme on "Commentary on IS 456:2000 with Expected Modifications in the Forthcoming Revision" conducted from 8th to 12th January 2024 at NITTTR Kolkata.
17. "New Generation Smart Materials and Composites for Sustainable Development" conducted from 7th to 12th June 2024 at Malnad College of Engineering.

2. NITTTR

- Module 1: Orientation Towards Technical Education and Curriculum Aspects
- Module 2: Professional Ethics & Sustainability
- Module 3: Communication Skills, Modes and Knowledge Dissemination
- Module 4: Instructional Planning and Delivery of National Initiative for Technical Teachers Training
- Module 5: Technology Enabled Learning & Life Long Self Learning
- Module 6: Student Assessment and Evaluation of National Initiative for Technical Teachers Training
- Module 7: Creative Problem Solving, Innovation and Meaningful R&D

3. Departmental Outreach, Workshops, and Technical Activities

- Unlock Your Future: A Two Days Interview Mastery Workshop – Er. Ashok Kumar, CEO, CMTI, Bengaluru during 12.02.2024 to 13.02.2024
- 2 Days Software Training Programme on SketchUp by Er. UdhayShankar Ramaswamy, BTR Constructions, under the collaboration with CMTI during 14.05.2024 to 15.05.2024
- Outreach Activity for Millennium World School, Hassan students will visit the Civil Engineering Department's Geology Lab for practical insights into minerals and rocks on 26.11.2024.
- Three-days Software Training Certification Programme on NAVISWORKS – BIM (Building Information Modelling) by Er. UdhayShankar Ramaswamy, BTR Constructions, under the collaboration with CMTI 23rd – 25th March 2026
- Three days Software Training Programme on ETABS, by Er. UdhayShankar Ramaswamy, BTR Constructions, under the collaboration with CMTI 03rd-05th December 2025

4. Other Activities

- Visit to IISc on account of Open Day.
- Visit to Anveshana 2024, Biggest Engineering Fair, Bengaluru.
- Participation in Departmental Consultancy Works on Soil Testing and Non-Destructive Testing.
- Working on NBA Criteria 4

5. Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No.	Title	Title of Conference/Seminar etc.	Dates of the Event	Organized by	Whether International/ National/ State/Regional /University/College
1	5 th International Conference on Civil Engineering Trends and Challenges for sustainability (CTCS-2023)	COMPARATIVE SEISMIC ANALYSIS OF REGULAR AND IRREGULAR MULTISTOREY STRUCTURES WITH AND WITHOUT BRACINGS AND SHEAR WALLS	19TH & 20TH December, 2023	NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA	International
2	ASCE International Conference on Challenges and Innovations for Sustainable Smart Cities (CISSC 2025)	"EXPERIMENTAL INVESTIGATION ON BEHAVIOR OF TRANSPARENT CONCRETE USING GLASS AND OPTICAL FIBERS"	February 7–9, 2025, Hotel Novotel, Chandigarh, India	SCE India Section Northern Region (ASCE IS NR) & Punjab Engineering College, Chandigarh	International