



FACULTY PROFILE ON WEBSITE

Faculty Name	Akshatha N S	
Academic Designation	Assistant Professor	
Educational Qualification	PhD(Reg), M.Tech.	
Experience in Teaching & Industry	Teaching -8 years	
Date of Joining	05-08-2019	
Official Email ID	akshatha.arch@dsatm.edu.in	
Employee ID	180466	

Educational Details

- PhD Registered in MIT ,Manipal 2023
- M.Tech in Government Engineering College, Haveri under VTU Belgaum 2018.
- B.E in Ghousia College of Engineering, Bangalore under VTU Belgaum 2016.

Professional Experience

- Working as **Assistant professor** at School of Architecture, Dayananda Sagar Academy of Technology and Management, Bangalore, from 5th Aug 2019.
- Assistant Professor at The Oxford School of Architecture, Bangalore | Jan 2019 - July 2019

Publications & Patents

- **Co-Author** – Graphene Based Bioelectrochemical Systems for Chlorine Free Water Disinfection and Soil Pollutant Detoxification. *Microchemical Journal (Elsevier Q1)*, 2025. DOI: 10.1016/j.microc.2025.115769.
- Experimental Study on Concrete with Natural and Artificial Fibers. *IRJET*, 2025.
- Architectural & Structural Innovations in Indian Islamic Architecture – A Case of Bijapur Provincial Style. *Accepted for Publication*, 2025.
- Analysis of Multi-story Buildings using Water Tank as a Liquid Damper using ETABS. *IRJET*, 2018.

Awards

- **VIRTUOSO -2022 – “Architects choice award”**
- **VIRTUOSO 2026 - “Walk the space Award”**
- **Achieved 100% result in all structural subjects.**

Academic Activity

- NAAC-Criteria 5 Coordinator
- Infrastructure & Maintenance Coordinator
- Cultural Coordinator
- Sports Coordinator
- Class Teacher and Proctor (2019 Batch)
- Promotion of Architecture at 'Public TV Education Expo'
- Outreach Coordinator
- Women Empowerment Coordinator
- Exam Coordinator
- Research cell Coordinator
- Study Tour Coordinator

Faculty Development Activity/Workshops

- Participated in 5-Day Faculty Development program on **“Self Sustainable Buildings”** organized by Dept. of civil engg, Presidency University, Bangalore, from Sep 12th to 16th Sep 2022.
- Participated in 7-Day Faculty Development program on **“Green Being Smart”** from 5th to 12th April 2021 organized by School Of Architecture, DSATM, Bangalore.
- Participated in 5-Day Faculty Development program on **“Advanced project management techniques & quantity surveying using primavera P6 & costX Tools”**. organized by Dept. of civil engg, DSATM, Bangalore, from Jan 28th to 1st Feb 2020.
- Participated in 5-Day Faculty Development program on **“sustainable concepts in civil engineering & Architecture”**. organized by Department of Civil Engineering and School of Architecture, held at Ramaiah Institute of Technology, Bengaluru, from 21st to 25th July 2020.
- Participated in 5– Day Faculty Development program on **“Challenges in civil engineering”** organized by EWIT, Bangalore from 13th July 2020 to 18th July 2020.
- Participated in Faculty Development program on **“Plastic Waste Management”** organized by NPTEL-AICTE.
- Participated in Faculty Development program on **“Structure, Form and Architecture: The Synergy”** organized by NPTEL-AICTE.

Seminar/Webinar Attended

- Participated in One Day International Webinar on **“Potential of masonry structures”** organized by Department of Civil Engineering, EWIT, Bangalore on 7th August 2020. “
- Participated in One Day online course Webinar on **“Disproportionate Collapse Control”** on July 19, 2020.

Faculty Immersion Program.

- Participated in Faculty Immersion Program on **“Pedagogical Approaches”** from 8th to 12th April 2022 organized by DSATM, Bangalore.

- Participated in Faculty Immersion Program on “**Outcome Based Education (OBE)**” from 21st to 26th November 2022 organized by DSATM, Bangalore.

Patents

- AI-Enabled Modular Facade System with Dynamic Shading & Climate Adaptive Energy Management for Smart Buildings (2025)
- Modular Prefabricated Building System with Integrated Energy-Saving Features (2026)
- Modular Urban Infrastructure System for Sustainable City Development (2026)
- Smart Building System with Advanced Energy Management and Control Technology (2026)
- Integrated Urban Mobility System for Efficient Traffic Flow and Reduced Congestion (2026)
- Energy-Efficient Modular Facade System with Integrated Solar Panels (2026)

Research Projects & Grants

- Recognized under Unnat Bharat Abhiyan for research proposal on **Rural Craft and Artisans Development and Rural Industrialization and Entrepreneurship Development.**

Contact Details

Assistant Professor,
School of Architecture,
Dayananda Sagar Academy of Technology & Management Udayapura, Kanakapura Road
Bengaluru-560082
Mail ID: akshatha.arch@dsatm.edu.in