



MOHAMMED ZAIN

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Urban Planning and Civil Engineering has always been part of my journey it has driven me to various disciplines of interest but choosing Teaching as a profession is certainly because I always had interest in Presenting and constant learning whether it might be College level or National level Conference. I would say because of my mouldable quality I can learn and reach out to students in the best possible way and would promise to raise the Colleges level and Standards to greater heights.

ADDITIONAL CONTACT INFORMATION

- Nationality: Indian
- Instagram: Zainmohammed_27

PROFESSIONAL EXPERIENCE

Builders' Association of India Internship

02/22 - 02/22

- The Internship including Application of Theoretical Knowledge to Practical. Learning the importance of Communication and Leadership qualities.

GreenOliveVentures Consultancy Company Analysit

06/23 - 07/23

- The job was about Apporal of loans based on site visit analysing the total valuation of the property and provided exact condition of the house.

Town Planning Department Internship

08/24 - 09/24

- Learning to make a Masterplan for a Region. taking account of both Demographic and Physical features.

EDUCATION

Vidya Vikas High School SSLC - 81.11

03/16 - 04/17

Sankalpa Gopalswami PU College PUC - 63.66%

03/18 - 06/19

Vidya Vardhaka College of Engineering B.E. (Civil) - 7.33 CGPA

08/19 - 06/23

University of Mysore M.Tech. (Urban Regional Planning) - 7.67 CGPA

08/23 - 09/25

PROJECTS

Real Time Strength Monitoring of Carbon Fiber Reinforce Precast Member 01/23 – 06/23

- To study the effect of linear strain gauge sensors in carbon fiber reinforced precast members, To identify the real time strength of the precast members using linear strain gauge sensors, To find the optimum percentage of carbon fibres in precast beam members.

Net Zero Project

01/23 – 01/23

- During Tenth International Conference on Transformation in Engineering Education demonstrated the Net Zero Project Work in which Bamboo was used as Reinforcement in Shell-like structure in ICTIEE 2023 held at Vidya Vardhaka College of Engineering from January 5–8th, 2023 it was to reduce Carbon footprint.

Hunsur City Master Plan

04/24 – 07/24

- Handled Slum and Squatter Settlement of Hunsur City, Analysed the pattern of growth and Improvement of Facilities to these Slums. Identifying the base problems of people living in slums and providing proposals related to uplift them by Schemes and other necessary measures.

Mysuru District Regional Plan

09/24 – 02/25

- Human Resource identification and analysis of Demographic data and Population projection for 2041 identification. Human Resource that needs to be provided with basic facilities like Housing, Jobs, Education facilities identify the type of growth and providing proposals to people for future populations.

Urban Planning For Hawkers Space – Case Study On Hunsuru City

02/25 – 06/25

- Thesis on Hawkers space for Hunsuru city – Identify the informal sector that needs space for selling things. They are part of the Economic development hence taking Hunsuru as the study area for identifying the vendor zones and making provisions for them in planning Authority.

PUBLICATIONS

- Industrial Roofing Structure using Bamboo as Shell material – This research explores replacing steel with bamboo in a cylindrical shell supported by beams as a roofing element. A 1m x 1m model was cast and tested for load on the 14th and 28th days of curing. Bamboo reinforcement fully replaced steel, reducing material consumption by 40% compared to traditional slabs. This lightweight, economical solution is suitable for industrial roofs and single-floor buildings with larger spans.
- Real Time Strength Monitoring of Carbon Fiber Reinforced Precast Members using Strain Gauge Sensor – To study the effect of linear strain gauge sensors in carbon fiber reinforced precast members. To identify the real time strength of the precast members using linear strain gauge sensors. To find the optimum percentage of carbon fibres in precast beam members

ACTIVITIES

- Workshop Greater Mysuru: Issues & Challenges Jointly Organised by School of Planning & Architecture University of Mysore, Institute of Town Planners, India Mysore Regional center, Mysore & Karnataka Regional Chapter, Bengaluru. March 15, 2025.
- Workshop on Heat Resilience Planning and Governance organised by Centre for Science and Environment, New Delhi in association with University of Mysore – March 3, 4 & 7th March, 2024 at University of Mysore, Heat Generation Map and apps relating to them were Taught.
- Attended Expert lecture on Cities Connection Project by Xavier Bustos Serret & Public space Illumination by Maria Guell Ordis on 18th February 2025 and got certificate of attending. It was all about Connecting planning techniques used in Mexico with Indian and use of light to Create ambience.
- Workshop on Heat Resilience Planning and Governance organised by Centre for Science and Environment, New Delhi in association with University of Mysore – March 30, 2024 at University of Mysore
- National Workshop in Recent Advances in Geotechnical for Infrastructure – 28th May 2022 at Vidya Vardhaka College of Engineering
- Tenth International Conference on Transformation in Engineering Education demonstrated the Net Zero Project Work on January 5–8th, 2023 at Vidya Vardhaka College of Engineering
- National Technical Seminar on Latest Technologies in Construction on the 4–5th November, 2022
- Completed Finishing school titled "Good Construction Practices and Total Station held from 14–16th June, 2022
- Organising member of Event named Bridgescape held in Vidya Vardhaka College of Engineering
- Participated in Inter college Cricket Competition and won Runner's up on 18th April 2022 at JSS Science and Technology University Mysuru.

AWARDS AND ACHIEVEMENTS

- Awarded as Best Student Achievement for academic year 2022–23 for Significant Achievements while Pursuing the B.E. in Civil Engineering during 2019–2023 Presented on 29th April 2023 from Vidya Vardhaka College of Engineering, Mysore.
- The recently Published paper named "Real Time Strength Monitoring of Carbon Fiber Reinforced Precast Members using Strain Gauge Sensor" has been Patented, Patent application No.: 202441064152, Filed Date: 26/08/2024, Published Date: 30/08/2024, Journal No.: 35/2024

LANGUAGES

- English
- Kannada
- Hindi
- Urdu

KEY SKILLS

- AutoCAD – Proficient in AutoCAD for 2D and 3D drafting, creating site plans, construction documentation, and collaborating with engineers on civil projects, ensuring accuracy and adherence to standards.
- Short Term GIS – Skilled in GIS for master planning, utilizing spatial analysis and data visualization to assess land use, infrastructure, and environmental impacts, enhancing decision-making and project development efficiency.
- Communication skills – Strong communication skills in conveying technical information clearly, collaborating effectively with team members and presenting project updates to diverse audiences, ensuring alignment and understanding throughout the project lifecycle.

INTERESTS

- Cricket – love watching and playing Cricket. Recently participated in the inter branch Cricket at University of Mysore and won the trophy.
- Event Participation and Organisation – Leading the events by Organising and as well as love to makes short videos, Paper Publication, Quiz,etc