

VEERABHADRAYYA MATHAPATI

ASSISTANT PROFESSOR – CIVIL & STRUCTURAL ENGINEERING

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8+ YEARS EXPERIENCE	5+ YEARS AS ASSISTANT PROFESSOR	3+ YEARS EXAMINATION ADMINISTRATION	5 DESIGN SOFTWARE TOOLS
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● PROFESSIONAL PROFILE

Dedicated Civil & Structural Engineering faculty member with 8+ years of teaching, academic administration and engineering experience. Currently serving as Dean – Examination & Assistant Professor at BIGCE, Solapur. Strong background in undergraduate engineering education, structural analysis and design, laboratory instruction, student project supervision, examination administration and university coordination.

M.Tech in Civil Structural Engineering with Ph.D. currently in progress. Experienced in teaching RCC Design, Steel Structures, Structural Analysis, Prestressed Concrete, Surveying, Transportation Engineering and Engineering Mechanics. Proficient in STAAD.Pro, ETABS, SAP2000, SAFE and AutoCAD, with practical structural design exposure through industrial/site work at JSW Steel Limited.

★ CAREER HIGHLIGHTS

- 8+ years of combined teaching, academic and engineering experience.
- Currently serving as Dean – Examination & Assistant Professor at BIGCE, Solapur.
- 5+ years of Assistant Professor experience in Civil Engineering education.
- 3+ years of academic examination administration and university coordination experience.
- Hands-on structural analysis/design experience using STAAD.Pro, ETABS, SAP2000 and SAFE.
- Research and publications in fiber-reinforced concrete, geopolymer concrete, metakaolin and fly ash-based materials.
- Recipient of Best Project Awards from KNSIT and VTU for geopolymer concrete research.

▣ PROFESSIONAL EXPERIENCE

► **BIGCE, Solapur** | *Dean – Examination & Assistant Professor* | 25 July 2022 – Present

KEY ROLE: Undergraduate teaching in Civil & Structural Engineering combined with institute-level examination administration, academic coordination, student assessment, and documentation and university cooperation.

► **Teaching & Academic Responsibilities**

- Deliver theory, tutorial and laboratory instruction for undergraduate Civil & Structural Engineering courses.
- Plan course delivery, practical activities, assignments and internal assessment in alignment with university curriculum.
- Guide and mentor undergraduate students in technical projects, structural design and engineering applications.

► **Dean – Examination Responsibilities**

- Coordinate regular and supplementary examinations, practical examinations, internal assessments and related academic processes.
- Manage examination schedules, student eligibility, examination forms, assessment records, result documentation and university correspondence.
- Coordinate with HODs, faculty members, examination personnel and university authorities for smooth and compliant examination conduct.
- Maintain examination records, templates, reports and student academic data with accuracy and confidentiality.
- Facilitate university-related examination requirements, result verification and documentation activities.

► **KNS Institute of Technology (KNSIT), Bengaluru** | *Assistant Professor – Civil Engineering*
| 25 July 2016 – 04 March 2021

► **Teaching & Subject Expertise**

Engineering Mechanics | Basic & Advanced Surveying | RCC Structural Design | Steel Structural Design | Steel Structure Design & Drawing | Transportation Engineering I & II | Prestressed Structural Elements

► **Laboratory Courses**

Engineering Mechanics Laboratory | Basic Surveying Practice | Software Application Laboratory | Detailing of Structures | Highway Materials Laboratory

► **Academic Contributions**

- Prepared course materials, laboratory exercises and assessment components; guided student projects and provided technical mentoring.
- Applied structural design concepts and software-based engineering analysis to strengthen practical learning.

⚙ **INDUSTRIAL & PRACTICAL ENGINEERING EXPERIENCE**

► **JSW Steel Limited, Bellary** | *Civil Engineering & Services Department* | 4-Month Internship / Site Engineer

- Worked on civil engineering and structural construction-related activities with exposure to site execution and structural engineering practices.
- Involved in design and analysis of two-storey and three-storey North Yard Office buildings using STAAD.Pro.
- Gained practical understanding of structural drawings, design calculations, construction activities and coordination between design and site execution.

⚙ **TECHNICAL COMPETENCIES**

► **Structural Analysis & Design Software**

STAAD.Pro | ETABS 2016 | SAP2000 V10 | SAFE 2016 | AutoCAD

► **Structural Engineering Expertise**

Reinforced Concrete Design | Steel Structural Design | Structural Analysis | Structural Detailing | Foundation Design | Retaining Wall Design | Prestressed Concrete | Building Structural Analysis

► Design Calculation & Spreadsheet Development

Prepared Excel-based structural design calculations for slabs, beams, columns, isolated footings, retaining walls and other reinforced concrete structural elements.

■ SUBJECT & LABORATORY EXPERTISE

Engineering Mechanics | Basic Surveying | Advanced Surveying | RCC Structural Elements | Steel Structural Elements | Steel Structure Design & Drawing | Transportation Engineering I & II | Prestressed Structural Elements | Highway Materials | Structural Detailing | Software Applications

↪ RESEARCH PROFILE

Research interests include sustainable construction materials, fiber-reinforced concrete, geopolymer concrete, metakaolin, fly ash-based concrete and advanced concrete technologies.

► Selected Publications

- Comparative Study on Glass and Polypropylene Fiber Reinforced Concrete – IJIRT, Volume 4, Issue 10.
- Experimental Investigation on High Performance Fibre Reinforced Concrete with Copper Slag and Silica Fume – NCERC Int. J. Adv. Sci. Eng. and Tech. (NIJASET), Vol. 6, No.1, 2026
- Study on Metakaolin and Fly Ash Based Geopolymer Concrete – IJERT, Volume 7, and Issue 04.
- Comparative Study on Conventional Concrete and Fly Ash Aggregate Concrete – IJERT, Volume 7, Issue 04.

★ ACADEMIC ACHIEVEMENTS

- Best Project Award – KNS Institute of Technology for “Study on Metakaolin and Fly Ash Based Geopolymer Concrete.”
- Best Project Award – Visvesvaraya Technological University (VTU) for “Study on Metakaolin and Fly Ash Based Geopolymer Concrete.”

◆ FACULTY DEVELOPMENT & WORKSHOPS

- One-Day Workshop on Advanced Concrete and Soil Stability Techniques – VVIT College.
- One-Day Faculty Development Programme on “Teach Smart, Not Hard” – KNSIT.
- Two-Day Faculty Development Programme on Software Application Laboratory – RRCE.
- Three-Day Faculty Development Programme on Outcome-Based Education (OBE) and NBA – Sir M. Visvesvaraya Institute of Technology.

□ EDUCATIONAL QUALIFICATIONS

Qualification	Institution / University	Year / Status	Score
Ph.D. – Civil / Structural Engineering	Vijaya Vittala Institute of Technology, Bengaluru – VTU	Pursuing	—
M.Tech – Civil Structural Engineering	Vijaya Vittala Institute of Technology, Bengaluru – VTU	August 2016	82%
B.E. – Civil Engineering	Government Engineering College, Haveri – VTU	June 2014	68.50%

✓ PROFESSIONAL STRENGTHS

- Strong classroom teaching, laboratory instruction and student mentoring skills.
- Advanced understanding of structural analysis, design and detailing principles.
- Effective examination administration, academic coordination and university cooperation.
- Strong documentation, assessment, reporting and data-management capabilities.
- Ability to connect theoretical concepts with practical engineering applications.
- Research-oriented approach with interest in sustainable and innovative construction materials.
- Commitment to continuous professional development and emerging Civil Engineering technologies.

● LANGUAGES

English | Kannada | Telugu | Hindi

● PERSONAL DETAILS

Date of Birth	08 March 1992
Nationality	Indian
Gender / Marital Status	Male / Married
Permanent Address	Shantesh Nagar, Near Old Salotagi Road, Indi, Taluka Indi, District Vijayapura, Karnataka

✍ DECLARATION

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.

Place: _____

Date: _____

VEERABHADRAYYA MATHAPATI