

Aishwarya Prakash Mashatte

Assistant Professor | Ph.D. Research Scholar (Applied Mathematics)

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PROFESSIONAL SUMMARY

Dedicated Assistant Professor with over two years of experience teaching Engineering Mathematics to undergraduate engineering students. Pursuing a Ph.D. in Applied Mathematics at Visvesvaraya Technological University (VTU), Belagavi, with research focused on hybrid nanofluids, mathematical modelling, and numerical analysis. Experienced in Outcome-Based Education (OBE), curriculum planning, student mentoring, and academic assessment. Proficient in MATLAB, Scilab, and LaTeX. Seeking to contribute to teaching, research, and institutional development at a reputed engineering institution.

KEY SKILLS

- Engineering Mathematics I–IV
 - Applied Mathematics
 - Linear Algebra
 - Calculus
 - Differential Equations
 - Numerical Methods
 - Probability & Statistics
 - Mathematical Modelling
 - MATLAB
 - Scilab
 - LaTeX
 - Outcome-Based Education (OBE)
 - Student Mentoring
 - Curriculum Planning
 - Academic Assessment
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PROFESSIONAL EXPERIENCE

Assistant Professor – Mathematics

Bheemanna Khandre Institute of Technology (BKIT), Bhalki

November 2023 – December 2025

ACADEMIC RESPONSIBILITIES

- Taught Engineering Mathematics to undergraduate engineering students.
- Handled Engineering Mathematics II, III and IV courses.
- Prepared lesson plans in accordance with the VTU syllabus.
- Conducted tutorials, assignments, and remedial classes.
- Prepared question papers and evaluated answer scripts.
- Mentored students for academic improvement.

- Followed Outcome-Based Education (OBE) practices.
- Participated in departmental academic activities and examination duties.

SUBJECT TAUGHT

- Engineering Mathematics II
- Engineering Mathematics III
- Engineering Mathematics IV
- Calculus
- Differential Equations
- Linear Algebra
- Numerical Methods
- Probability & Statistics

RESEARCH EXPERIENCE

Ph.D. Research Scholar (Applied Mathematics)

Visvesvaraya Technological University (VTU), Belagavi

Research Centre - Bheemanna Khandre Institute of Technology, Bhalki

Research Topic

Modeling, Analysis and Applications of Hybrid Nanofluids: Numerical and Analytical Approach

RESEARCH AREAS

- Mathematical Modelling
- Fluid Mechanics
- Heat Transfer
- Hybrid Nanofluids
- Boundary Layer Flow
- Numerical Analysis
- MATLAB (bvp4c)

M.Sc. PROJECT

Study of Network Analysis Using Graph Theory

Tools Used : LATEX, Graph Theory

EDUCATION

Qualification	Institute	Score
Ph.D. (Pursuing)	VTU, Belagavi	Coursework, Comprehensive Viva & Open Seminar-I Completed
M.Sc. Applied Mathematics	NMKRV College for Women, Bengaluru	CGPA 7.75/10
B.Sc. (PMCs)	SGP Degree college Bhalki	91.88%
PUC	Shri Channabasaveshwar Gurukul	75.33%
SSLC	Shri Channabasaveshwar Gurukul	95.68%

TECHNICAL SKILL

- MATLAB
 - Scilab
 - LaTeX
 - Microsoft Word
 - Microsoft PowerPoint
 - Microsoft Excel
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RESEARCH INTERESTS

- Mathematical Modelling
 - Fluid Mechanics
 - Heat Transfer
 - Hybrid Nanofluids
 - Computational Mathematics
 - Numerical Methods
 - Applied Mathematics
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ACADEMIC STRENGTHS

- Effective Teaching
 - Student Mentoring
 - Communication
 - Research Aptitude
 - Team Collaboration
 - Time Management
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LANGUAGES

- English
 - Kannada
 - Hindi
 - Marathi
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DECLARATION

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

PLACE : Bengaluru
(Aishwarya Prakash Mashatte)