



Ajay Singh Jangal

Assistant Professor

Department of Mathematics

School of Engineering

Dayananda Sagar University, Bengaluru, Karnataka,
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1. ABOUT

Mr. Ajay Singh Jangal is currently working as an Assistant Professor in the Department of Mathematics, School of Engineering, Dayananda Sagar University, Bengaluru. He holds a Master of Science in Mathematics from the National Institute of Technology (NIT) Kurukshetra, Haryana, and a Bachelor of Science in Mathematics from the University of Rajasthan, Jaipur. His research interests focus on Applied Numerical Analysis, Finite Difference Methods, Summation-by-Parts (SBP) operators, and numerical solutions of Partial Differential Equations. His Master's project at NIT Kurukshetra was titled "Summation by Part Operators for First and Second Order Derivatives." He has experience in teaching Mathematics and Python programming at undergraduate and postgraduate levels. His academic interests also include computational mathematics, numerical simulation, high-order numerical methods, and data-driven mathematical applications. He is proficient in Python, SQL, LaTeX, and Mathematica.

2. RESEARCH INTERESTS

- Applied Numerical Analysis
- Finite Difference Methods
- Summation-by-Parts (SBP) Operators
- Numerical PDEs
- Computational Mathematics
- Software Reliability

3. ACADEMIC QUALIFICATIONS

- **M.Sc. Mathematics** — NIT Kurukshetra, 2025
- **B.Sc. Mathematics** — University of Rajasthan, 2023

4. PROFESSIONAL EXPERIENCE

- **Assistant Professor** — Dayananda Sagar University, Bengaluru [Sept.2025 - Present]
- **Faculty Coordinator** — Brahmagupta Mathematics Club, SoE, DSU [June 2026 - Present]
- **Tech Team Head** — Anant – The Mathematical Society, NIT Kurukshetra, [July 2024 - June 2025]

5. RESEARCH HIGHLIGHTS

- **Master's Project:** Summation-by-Parts Operators for First and Second Order Derivatives
- **NPTEL Certification :** Data Analytics with Python (In Top 5%), Dynamical Systems and Control, Number Theory.

6. CONTACT

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