

## Faculty Profile

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**About me:** I am currently working as an Assistant Professor in the Department of Mathematics since 2022. My research interests lie in Geometric Function Theory and Image Processing. I am presently pursuing my Ph.D. in Geometric Function Theory under VTU.

I have published research papers in Scopus and Web of Science indexed journals and have presented my work at international conferences. I received the Best Paper Presentation Award at the 2nd International Conference on Applied Research in Engineering Sciences (2025) held at M. S. Ramaiah Institute of Technology, Bangalore. I have also served as a Board of Examiner (BOE) for the University of Mysore and have delivered invited talks as a resource person in seminars and university level workshops, contributing actively to academic and professional development activities.

### **Qualification:**

M.Sc. (Mysore University), PGDMCA (C-DAC), (Ph.D.) (VTU, Belagavi)

### **Courses Taught:**

Linear Algebra  
Probability and Statistics  
Numerical Methods  
Mathematical foundations for Computer Applications

### **Publications:**

#### **Journal Publication:**

1. **N. S. Tejas**, H. Orhan, D. S. Raju and N. Magesh, Estimates of the Initial Taylor-Maclaurin Coefficients of a general subclass of Bi-Bazilevič type functions, *General Mathematics*, 32 (2), (2024), 1-15, <https://doi.org/10.2478/gm-2024-0008>
2. **N. S. Tejas**, Ş Altınkaya, D. S. Raju and N. Magesh, Initial Lucas Polynomial Coefficient Bounds for Bi-Bazilevič Functions, *Caspian Journal of Mathematical Sciences*, 13 (2), (2024), 311-343, <https://doi.org/10.22080/CJMS.2024.27503.1702>

3. **N. S. Tejas**, N. Magesh and D. S. Raju, Toeplitz Determinants for a Subclass of Analytic Functions Involving Touchard Polynomials, Bol. Soc. Paran. Mat., 43 (2025), <https://doi.org/10.5269/bspm.75920>

4. J. Yamini, N. Magesh, **N. S. Tejas** and D. S. Raju, A Generalized Subclass of Bi-Bazilevič Functions Involving Gegenbauer Polynomials, J. Appl. Math. & Informatics, 43 (5), (2025), 469 – 1486, <https://doi.org/10.14317/jami.2025.1469>

5. N. Magesh, H. Orhan, D. S. Raju, **N. S. Tejas**, Initial Estimates of Bazilevič Type Functions Defined by Limaçon-Shaped Domain, Iran J Sci, (2025). <https://doi.org/10.1007/s40995-025-01867-1>

**Conference Proceedings:**

**N. S. Tejas** and D. S. Raju, (2025) “Fekete–Szegő Estimate for Bi-Bazilevič and Bi-Pseudo-Starlike Type Functions Associated with the Generalized Bivariate Fibonacci Polynomial” International Conference on Applied Research in Engineering Sciences, organized by Ramaiah Institute of Technology, Bengaluru, Feb 20–21, 2025

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