

Mrs. JENIFER EBIEAZER J

ASSISTANT PROFESSOR | MATHEMATICS | RESEARCH SCHOLAR

Department of Science & Humanities, Sri Sairam College of Engineering, Bengaluru

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PROFESSIONAL PROFILE

Dedicated Mathematics faculty member and research scholar with experience in engineering mathematics, student mentoring, academic coordination and research-oriented teaching. Research interests include Computational Fluid Dynamics, Magnetohydrodynamics, wavelet-based numerical methods, nonlinear boundary layer flows and transport phenomena in complex fluids. Author of peer-reviewed research publications, a published Engineering Mathematics textbook, and a granted patent. Skilled in Canva, presentation design, digital content creation and video editing for academic and institutional communication.

RESEARCH & ACADEMIC HIGHLIGHTS

8	Scopus / WoS	1	1	Canva + Video
Research Papers	Indexed Publications	Book	Granted Patent	Creative Skills

RESEARCH PUBLICATIONS

S.No.	Title	Journal / Conference	Month & Year	ISSN	Indexing
1	Computational Study of Thermal Radiation and Magnetic Field Effects on Casson Fluid Flow Using Hermite Wavelets	Arab Journal of Basic and Applied Sciences	August 2026	2576-5299	Scopus
2	Numerical Modeling of Magneto-Thermo-Solutal Casson Fluid Flow over an Exponentially Stretching Sheet Using Taylor Wavelets	Research in Mathematics	May 2026	2768-4830	Scopus; Web of Science (ESCI)
3	Real Hypersurface of Complex Space Form as a η -Ricci Soliton	Mathematics in Engineering, Science and Aerospace (MESA)	February 2026	2041-3173	Scopus (Q3)
4	Certificates of Management	International Journal of Innovative Research in Information Security	November 2025	2349-7017	UGC
5	Three-Dimensional Quasi-Sasakian Manifold as a Ricci Soliton under D-Homothetic Deformation	Mathematics in Engineering, Science and Aerospace (MESA)	January 2025	2041-3173	Scopus
6	Statistical Inference in Machine Learning: Bridging Probability and Data Science	Communications on Applied Nonlinear Analysis	December 2024	1074-133X	Scopus
7	Building an Offline Rule-Based Chatbot	International Conference on Recent Trends in Computing & Communication Technologies (ICRCCT'2K24)	November 2024	2583-7052	UGC
8	Fuzzy Logic	IJIRIS Journal	June 2023	2349-7017	UGC

BOOK PUBLICATION

Jenifer Ebiénazer J. Engineering Mathematics – I. Charulatha Publications, 2024. ISBN: 978-93-6260-481-1.

BOOK CHAPTER PUBLICATION

Jenifer Ebiénazer J., “Connectedness Generalized Ideal Topological Spaces,” , PCAS Publication Division, August 2026. ISBN: 978-81-686160-1-1.

PATENT

Patent No. 6466975 – Granted | Graphing Calculators with Advanced Visualization Features | Inventor: Mrs. Jenifer Ebiénazer J. | Grant Date: 02 September 2025

PROFESSIONAL EXPERIENCE

- **Assistant Professor**, Sri Sairam College of Engineering, Anekal — **December 2022 – Present**
- **Lecturer**, Vishwa Chetana PU Degree College, Anekal — **April 2021 – December 2022**
- **Faculty & Academic Coordinator (Part-time)**, T.I.M.E Institute, Hosur — **July 2019 – March 2021**
- **Assistant Professor**, Adhiyamaan College of Agriculture & Research, Hosur — **August 2016 – March 2017**
- **Assistant Professor**, Er. Perumal Manimekalai College of Engineering, Hosur — **October 2015 – June 2016**
- **Faculty & Academic Coordinator**, T.I.M.E Institute, Hosur — **September 2015 – September 2016**

TEACHING & ACADEMIC EXPERIENCE

- Teaching Engineering Mathematics and supporting first-year engineering students through concept-based, problem-solving-oriented instruction.
- Preparation and implementation of lesson plans with Learning Outcomes, L1/L2/L3 levels and Bloom's Taxonomy mapping.
- Student mentoring, academic counselling, Internal Assessment support and parent communication.
- Academic coordination and development of department-level academic documents, handbooks and website content.
- Participation in faculty development programmes and adoption of activity-based, collaborative and application-oriented teaching practices.

LEADERSHIP, COORDINATION & INSTITUTIONAL CONTRIBUTIONS

- Academic and student-support activities within the Department of Science & Humanities.
- Coordination of student mentoring and first-year academic activities.
- Photography Club / SCOPE activities, including student engagement, creative content and event coordination.
- Development of institutional presentations, posters, certificates, event creatives and digital communication materials.

EDUCATION & QUALIFICATIONS

Degree	Year	University/Board	Marks(%)
M.Phil. Applied Mathematics	2015	Anna University, MIT Campus, Chennai	87.50
M.Sc. Applied Mathematics	2014	Anna University, MIT Campus, Chennai	84.90
B.Sc. Applied Mathematics	2012	M.G.R Arts & Science College, Hosur	90.10
HSC	2009	Maharishi Vidya Mandir HSC School, Hosur	85.83
SSLC	2007	CSI Christ HSC School, Hosur	79.90

PROFESSIONAL DEVELOPMENT

- Faculty Development Programme: "Be a Great Mentor, to be a Good Teacher", 06–07 August 2026.
- Completed **7 NPTEL Certification Courses and 2 Coursera Certification Courses** in relevant academic and technical areas.
- Successfully completed **NITTT Courses** as part of professional development.
- Continuous professional development in **teaching and learning practices, student mentoring, digital content creation, research, and technology-enhanced education.**

PERSONAL DETAILS

D.O.B	12.07.1992
Sex	Female
Marital Status	Married
Religion	Christian
Community	BC
Address	L-474 New ASTC Hudco, VOC nagar, Hosur.
Language Known	Tamil, English, Kannada, Hindi

DECLARATION

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

Place: Hosur

Mrs. Jenifer Ebienazer J.

