



GOWTHAM T

Research Scholar

Department of Mathematics
School of Advanced Sciences
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Chennai – 600127



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CAREER OBJECTIVE

A dedicated research scholar focusing on **Systems and Control Theory**, aiming to contribute innovative solutions to academic and applied mathematics, while advancing professional growth and interdisciplinary research collaborations.

EDUCATIONAL QUALIFICATIONS

- **Ph.D. in Mathematics**
Vellore Institute of Technology, Chennai (Pursuing)
Area of Research: Systems and Control Theory
- **M.Sc. in Mathematics**
Sri Vasavi College, Erode (2022-2024)
Affiliated by Bharathiar University, Coimbatore
CGPA: 8.795
- **B.Sc. in Mathematics**
Sri Vasavi College, Erode (2019-2022)
Affiliated by Bharathiar University, Coimbatore
CGPA: 8.971

RESEARCH CREDENTIALS

1. Manuscript Reviewer

Total number of reviewed manuscripts = 3

RESEARCH PROJECTS

1. TNSCST supported Student Project Scheme 2023-2024

Assessment of School Students' Perception towards Mathematics Course in Erode and Coimbatore Districts

- Conducted surveys across multiple schools to evaluate students' perceptions of mathematics.
- Findings revealed a strong correlation between teaching methodologies and students' interest in the subject.
- Recommended practical interventions to improve engagement and performance in mathematics.

2. M.Sc. Project

Numerical Solution of Ordinary Differential Equations Using MATLAB (2023-2024)

- Explored numerical methods for solving first-order Ordinary Differential Equations (ODEs), including Forward Euler, Modified Euler, and Backward Euler techniques.
- Developed MATLAB scripts to compute solutions and compared numerical results with exact solutions.
- Conducted error analysis, demonstrating that the Modified Euler method provides the most accurate solution among the three methods.

CONFERENCE PAPER PRESENTATION

1. Presented a paper titled **"State estimation for discrete-time T-S fuzzy Complex dynamical networks via finite time approach"** in the *Fourth National Conference on Control and Inverse Problems* held during July 03 – 04, 2025, at the Department of Mathematics, Central University of Tamil Nadu, Thiruvarur, India.
2. Presented a paper titled **"Finite-time based state estimation for discrete-time T-S fuzzy complex dynamical networks with multi-weights and packet dropouts"** in the *International Conference on Nonlinear Dynamics: Modelling and Computation (ICNDMC 2025)* during February 17 – 19, 2025, held at the Department of Mathematics, Bharathiar University, Coimbatore, India.

WORKSHOPS, SEMINARS, AND FDP

1. WORKSHOPS & SEMINARS:

- *"Recent Trends in Discrete Mathematics"*
National Seminar organized by the Department of Mathematics under the DBT Star College Scheme on February 28, 2024.

- *“Recent Trends of Artificial Intelligences in Mathematics (RTAIM-2023)”*
UGC Sponsored One Day National Level Workshop conducted by PG & Research Department of Mathematics, Gobi Arts & Science College, Gobichettipalayam on March 10, 2023.

2. FACULTY DEVELOPMENT PROGRAM (FDP):

- *AI-based Vehicular Network towards 6G and IoT: Deep Learning Approaches*
Conducted by the School of Electronics Engineering, Vellore Institute of Technology, Vellore from 17.03.2025 to 22.03.2025.
- *Digital Twins for Industry 5.0*
Jointly organised by the School of Electrical Engineering and the Faculty Development Centre, Vellore Institute of Technology, Chennai, from 27.01.2025 to 31.01.2025.
- *Building Web Development Solutions with Cloud Computing*
Conducted under the Next Gen Employability Program, by Edunet Foundation and AICTE from 09-12-2024 to 13-12-2024.

CERTIFICATIONS

- *Embedded Programming in MATLAB*, by SkyySkill Academy (2024).
- *Mastering Research Writing: Essential Tools and Techniques*, by MentorVeda (2024).
- Certified in *Typewriting English (Senior Level)*.
- Achieved “A” grade in *Online Training on Mathematical Skills for Competitive Exams* (25th to 31st May 2020), organized by Raja Doraisingam Government Arts College, Sivagangai.
- Completed 3-day *Barclays LifeSkills Programme* by GTT Foundation.
- Certificate course in *Business English and Career Skills*.

SKILLS

- **Technical:** MS Office Suite, Google Workspace
- **Programming:** MATLAB, LaTeX
- **Soft Skills:** Punctuality, Communication, Teamwork, Adaptability

ACADEMIC & VOLUNTEER EXPERIENCE

- Volunteer for NAAC PEER visit and Golden Jubilee celebrations at Sri Vasavi College.
- Active participant in organizing academic and cultural events in the Mathematics Department.

ACHIEVEMENTS and AWARDS

- Selected for **TNSCST Student Project Scheme** (2023-2024).
- Awarded **Best Outgoing Student** in the academic year 2023-2024, issued by Sri Vasavi College, Erode.
- Received **Endowment Award** in the academic year 2023-2024, issued by Sri Vasavi College, Erode.
- Received **Academic Topper Award**. Issued by Aatral Foundation, October 2023.
- Awarded **Best Outstanding I-M.Sc. Mathematics Student** in the academic year 2022-2023, issued by Sri Vasavi College, Erode.
- Awarded **Best Student in Academic Performance** in the academic year 2022-2023, issued by Sri Vasavi College, Erode.
- Ranked 3rd at the school level in SSLC exams.


PERSONAL DETAILS

- **Date of Birth** : 11-07-2002
- **Nationality** : Indian
- **Languages Known** : Tamil, English

REFERENCE

Dr. R. Sakthivel

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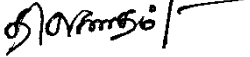
DECLARATION

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

Place : Chennai

Date : 04-10-2025

Yours sincerely,


(Gowtham T)