

Name : M.Vinitha
Designation : Assistant Professor
Department : Mathematics
Qualification : M.Sc., M.Phil., (Ph.D)
Experience : Teaching – 4 Years | Research – 3 Years
Specialization: Differential Equations
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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Mathematics	Dr. N.G.P. Arts and Science College	Pursuing
M.Phil.	Mathematics	Kongunadu Arts and Science College	2019
M.Sc	Mathematics	Dr. N.G.P. Arts and Science College	2018
B.Sc	Mathematics	Sri Vasavi College (SFW)	2016

Research Publications

1. M.Vinitha, Dr.S. Dhanalakshmi, Dr.R. Poongodi, Existence And Uniqueness of Solutions for Nonlinear Fractional Neutral Integrodifferential Equations with Non-Local Boundary Conditions, Vol, 27,No.3, pp. 637-646, 2020.
2. M.Vinitha, Dr.S. Dhanalakshmi, Dr.R. Poongodi, Existence And Uniqueness of Solutions for Nonlinear Fractional Integrodifferential Equations with Nonlocal Boundary Conditions, Malaya journal of Matematik, Vol, 7, No.4,pp. 759-766, 2019.

Presentations in Conference/ Seminar

1. Existence and Uniqueness of Mild Solutions for Fractional Integro Delay Differential Equations with Nonlocal Boundary Conditions Via Resolvent Operators, International Conference on Applied Mathematics and Computing, Bharathiar University, Coimbatore, 19-Feb-2025 to 20-Feb-2025.
2. Existence of Mild Solutions for Fractional Integro Delay Differential Equations with

Nonlocal Boundary Conditions Via Resolvent Operators, International Conference on Emerging Trends in Mathematics and Statistics, Sri Ramakrishnan College of Arts and Science, Coimbatore, 23-Feb-2024.

- 3. Existence and uniqueness of solutions for nonlinear fractional neutral integro differential equations with nonlocal boundary conditions**, International conference on Impact of Innovations in Science and Technology for Societal Development, Kongunadu Arts and Science College, Coimbatore, 19-Sep-2019 to 21-Sep-2019.
- 4. Existence of solutions for nonlinear fractional neutral integro differential equations with two point boundary conditions**, International conference on Recent trends in computational mechanics, Nandha Arts and science college, Erode, 2-Aug-2019.
- 5. Existence of solutions for nonlinear fractional integro differential equations with two point boundary conditions**, International conference on emerging area of Mathematics for science & technology, Rathinam college of arts and science, Coimbatore, 19-Feb-2019

Participation in Faculty Development Programme

- 1. Recent Trends in Computational Sciences**, Amity Institute of Applied Sciences Department of Statistics and Mathematics, Amity University Kolkata, 22-Jul-2024 to 26-Jul-2024.
- 2. Exploration of Mathematics in Emerging Fields**, PPG College of Arts and Science, Coimbatore, 21-Feb-2024 to 25-Feb-2024.
- 3. Recent Trends in Mathematics and Technology**, School of Science, Jindal University, Raigarh, 09-Oct-2023 to 13-Oct-2023.
- 4. Research insights for Academic Excellence**, KPR College for Arts science and Research, Coimbatore, 03-Aug-2023 to 09-Aug-2023.
- 5. IQAC FDP Series 2022**, Internal Quality Assurance cell of Sankara college of science and Commerce, 24-Jan-2022 to 29-Jan-2022.
- 6. Research Methodology and Pedagogy for Tertiary Education**, IQAC & Center for Faculty Development of Dr.N.G.P Arts and Science College, 15-Jun-2021 to 21-Jun-2021.

Participation in Workshop/ Seminar

1. **Queuing Models and its Applications**, Tamilnadu state council for Science and Technology & Nandha College of Technology, Erode, 04-Feb-2025.
2. **Recent Advances in Differential Equations and Applications**, VIT-AP University, Andhra Pradesh, India, 27-Oct-2023 to 31-Oct-2023.
3. **How to crack CSIR-NET Exam**, Sri Ramakrishna College of Arts and Science, Coimbatore, 01-Mar-2023 to 02-Mar-2023.
4. **Current trends in Applications of Mathematics**, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, 21-Sep-2022 to 04-Oct-2022.
5. **Algebra and Analysis**, Sri Ramakrishna College of Arts and Science, 02-Feb-2022.
6. **NPTEL Online course**, IIT Madras, 06-Jan-2022.
7. **Applied Mathematics**, Indian Science Academies, Kongu Engineering College, Erode, 30-Jan-2019 to 31-Jan-2019.

Conference / Seminar / Workshop Organized

1. Organizing Secretary, Math Fest 2K25- Inter Collegiate Event & Inter Departmental Event, Dr. NGP Arts and Science College, Coimbatore, 18-Mar-2025 & 27-Mar-2025.
2. Committee member, National Seminar on Mathematical Visions of Indian Knowledge System for Social Awareness under ICSSR, Dr. NGP Arts and Science College, Coimbatore, 25 & 26-Mar-2025.
3. Committee member, National Science Day 2025 under DBT Star College scheme, Dr. NGP Arts and Science College, Coimbatore, 28-Feb-2025.
4. Committee member, National Conference on Recent Advancement in Pure and Applied Mathematics, Dr. NGP Arts and Science College, Coimbatore, 20-Mar-2024.
5. Organizing secretary, Workshop on Mathematics – Opportunities in Career and Entrepreneurship under DBT Star College scheme Dr. NGP Arts and Science College, Coimbatore, 13-Feb-2024.
6. Organizing secretary, Inter Departmental Event on National Mathematics Day 2024, under DBT Star College scheme, Dr. NGP Arts and Science College, Coimbatore, 05-Jan-2024.
7. Organizing secretary, Guest Lecture on Applications of Transform Techniques at Dr.

NGP Arts and Science College, Coimbatore, 30-Mar-2023.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
American Mathematical Society	1 Year	2024-2025