Basic Details:

- **Name** : Mr. S. PERUMAL
- **Designation** : Assistant Professor
- **Phone Number** : +91 8073944502
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- **Area or Subject** : Chemical Graph Theory
- **Affiliation** : Department of Mathematics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai - 600 089.

Educational Details:

- B.Sc. Mathematics – Sir Theagaraya College, Chennai, University of Madras, Tamil Nadu
- M.Sc. Mathematics – Ramanujan Institute for Advanced Studies in Mathematics, Chepauk.University of Madras, Tamil Nadu
- M.Phil. Mathematics – Madurai Kamaraj University, Madurai, Tamil Nadu.
- (Ph.D.) – SRMIST, Ramapuram, Chemical Graph Theory

Publications:

- I attended The International Conference on Research Perspectives IoT in Hybrid Grid integrated Renewable Energy Sources organized by New Horizon College of Engineering from 24-26 March 2021 and presented a research paper entitled 'A Study of Energy of Graphs Using Multiple Regression Technique'. It was published in the International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), Volume 9, Issue 1, March-April-2021, UGC Journal No: 47147, Ref : IJSRSET/Certificate/Volume 9/Issue 1/7010.
- Presented a paper titled “Color Laplacian Energy” in the International Conference on New Trends in Differential Equations and Applied Mathematics organized by Sri Vidya Mandir Arts and Science

College during April 12-13, 2021.

- I have presented a paper titled "Degree Based Topological Indices of Drugs used in Treatment of High Blood Pressure" in the International Conference on "Progress in Mathematics towards Industrial Applications (PMTIA - 2024)" conducted at SRMIST, Ramapuram, Chennai, during 18 &19 of Oct'24.

Poster Presentation:

- I have participated and presented a poster entitled An Analysis of Graphyne Structures by Employing Banhatti Indices in the 8th International Conference on Nanoscience and Nanotechnology (ICONN-2025) organized by Department of Physics and Nanotechnology, SRMIST, Kattankulathur.

- I have Participated and presented in Dr.Paarivendhar Research Colloquium (DPRC-2024) on "An Analysis of Energy of Graphs Using Multiple Regression".

NPTEL:

- I have completed the NPTEL Online certification on "Basic Linear Algebra" during the month of March 2025.
- I have completed the NPTEL Course "Introduction to Operations Research"
- I have completed the NPTEL Course "Graph Theory".

FDP & Workshop Attended:

- I have participated at the International Workshop on Graph Algorithms – 2025 (IWGA-25) organized by the Department of Mathematics, Presidency University, Bengaluru.
- I have participated in the online Seminar titled "The Role of Graph Theory in Various Fields" organized by the Department of Mathematics, Dr.M.G.R. Educational And Research Institute, Chennai.
- I have attended the National Level Transdisciplinary Faculty Development Program on "Mathematics in the Era of AI Adapting to Emerging Trends and Tools" (Virtual Mode) organized by the Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore.
- I have attended a workshop on " Python Essentials for Students and Young Researchers : A Hands-on Workshop with Google Colab" as a part of the Interdisciplinary Symposia Series 2025, organized by the MathTech Thinking Foundation, India.
- I have attended an Expert talk on "SUDOKU NUMBER OF A GRAPH", organized by the Department of Mathematics, SRM Institute of Science and Technology, Ramapuram, Chennai.
- Ø I have attended the online International Faculty Development Programme on Recent Trends in Graph

Theory conducted by the Department of Science and Humanities, DMI COLLEGE OF ENGINEERING, Nazarethpet P.O, Chennai.

- I have participated in "A state level webinar on Applications of Mathematics in Real World-Industries" organized by the Department of Mathematics, J. K. K. NATARAJA COLLEGE OF ARTS & SCIENCE.
- I have participated in the workshop entitled "Mastering LaTeX for Research and Innovation: Hands-on Training for Aspiring Entrepreneurs and Researchers" organized by the Department of Mathematics, CMR Institute of Technology.
- I have participated in the Workshop titled "From Structures to Solutions Graph Theory" organized by SAS at Vellore Institute of Technology, Chennai.
- I have participated in the workshop on "MATLAB Essentials: An Indispensable Tool for Students, Young Researchers and Engineers" as a part of the Interdisciplinary Symposia Series 2025, organized by the MathTech Thinking Foundation, India.
- I have completed the 40 hours (3-Credits equivalent) Faculty Development Programme titled "QT-03 Basics of Quantum Programming" organized by Electronics & ICT Academies MNIT Jaipur, NIT Patna, IIT Kanpur, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal.

Academic Experience: 23 Years

Other Professional Experience: Nil

Other Details:

Achievements and Awards: I have attended Workshop and Secured Best Hackathon Award in Skill Development Programme Series II on "Python Power-Camp: Code, Analyze, Automate and Empower", organized by the Department of Mechatronics Engineering, SRMIST, Kattankulathur.

Memberships: IAENG International Association of Engineers **- Life Time Member.**