CURRICULUM VITAE
Dr. A Puvaneswari
Assistant Professor (Sr Grade I)
Department of Mathematics
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➢ **Research Area:**
  ▪ Differential Equations
  ▪ Numerical Methods

➢ **Educational Qualifications:**

Qualification	College/University	Year of completion
Ph. D. (Mathematics)	Bharathidasan University	2023
M. Phil.	Madurai Kamaraj University	2005
PG (Mathematics)	Seethalakshmi Ramasamy College, Trichy	1997
UG (Mathematics)	Holy Cross College, Trichy	1995
Others	State Eligibility Test	2017

Experience: (chronological order)

Name of Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering, BIT Campus, Trichy	Assistant Professor	July 2015	Till date	8
University College of Engineering, Ariyalur	Assistant Professor	September 2009	July 2015	6
Anna University of Technolgy, Tiruchirappalli	Lecturer	September 2008	September 2009	1

Nehru Memorial College, Puthanampatti	Lecturer	1998	2002	4

> **Additional / Academic Responsibilities at University:**

1. *Student Welfare Member from 05-06-2023*
2. *Library Coordinator from 03-10-2012 to 27-07-2015 at UCE, Ariyalur campus.*

> **Membership of Scientific and Professional Societies:**

> Life Member in Ramanujan Mathematical Society

> **Publications:**

> **Books / book chapters:**

> Published a Book Chapter "Mindful and Practical Ways on Balancing Work and Life" in Women in Independent India @ 75, Edited Book, August 2022 by Rubicon Publications. ISBN No: 978-1-913482-26-8

> **International Journals:**

1. A.Puvaneswari, A. Ramesh Babu and T. Valanarasu, "Cubic spline scheme on variable mesh for singularly perturbed peridical boundary value problem, Novi Sad Journal of Mathematics, 50(1), (2020), 157-172.

2. A. Puvaneswari, T. Valanarasu and A. Ramesh Babu, A system of singularly perturbed periodic boundary value problem: Hybrid difference scheme, Int. J. Appl. Comput. Math Vol 6(3), (2020), 1-24. https://doi.org/10.1007/s40819-020-00842-1

3. A. Puvaneswari, T. Valanarasu, Cubic spline approximation method for periodic singular perturbation problem, South East Asian J. of Math. & Math. Sci. Vol 21, Conference Proceedings, (2022), 65-78.

> **List of Seminar / Short Term Course /FDP/ Workshop organized:**

> Conducted a Two-Day Workshop on
  "PROFESSIONAL WRITING USING LATEX" on 5th and 6th April 2023.

List of Seminar / Short Term Course /FDP/ Workshop attended:

- One Month Online Induction Training Program conducted by Teaching Learning Center – Ramanujan College, University of Delhi during 22-03-2023 to 20-04-2023.
- A Five – Day UHV Online Workshop incorporating Universal Human Values in Education conducted by AICTE, New Delhi during 14-03-2022 to 18-03-2022.

- NPTEL sponsored Online FDP on "Transform Calculus and Its Application in Differential Equations" conducted by IIT Kharagpur during 24-01-2022 to 15-04-2022.
  - Two weeks online Refresher course in Mathematics conducted by Teaching Learning Centre – Ramanujan College, University of Delhi during 16-03-2021 to 30-03-2021.
  - Compact course on "Theory, Numerics and Applications of Differential Equations" conducted by Department of Mathematics, Bharathidasan University, Tiruchirappalli during 20-01-2020 to 01-02-2020.
  - Online FDP on "Advanced Concepts for Developing MOOCS" - Conducted by Teaching Learning Centre – Ramanujan College, University of Delhi during 02-07-2020 to 17-07-2020.

  - NPTEL sponsored Online FDP on "Ordinary and Partial Differential Equations and Its Applications"- Conducted by IIT-Madras during 30-07-2018 to 21-10-2018.

  - NPTEL conducted Online FDP on "Introduction to Abstract and Linear Algebra" – conducted by IIT Madras during 08-06-201during 03-08-2018 to 03-10-2018.

  - Two Weeks FDP on "Recent Trends and Applications of Mathematics in Computing" - conducted by Department of Mathematics, University College of Engineering, BIT Campus, Tiruchirappalli during 08-06-2016 to 21-06-2016.

  - One week FDP on "Emerging Trends in Mathematical Modelling and Simulation" - conducted by Department of Mathematics, University College of Engineering, BIT Campus, Tiruchirappalli during 08-05-2015 to 14-05-2015.

  - TEQIP II sponsored Faculty Development Programme on "Recent Trends in Mathematics" conducted by Department of Mathematics during 16-12-2013 to 22-12-2013.

  - UGC sponsored 28 Days Orientation Course conducted by HRDC, Bharathidasan University, Tiruchirappalli during 15-11-2012 to 12-12-2012

  - Two Week Staff Development Programme on "Recent Researches on Fuzzy Logic and Neural Networks" conducted by National Institute of Technology, Tiruchirappalli during 21-06-2010 to 03-07-2010.

  - TEQIP II sponsored Workshop on "Research Methods and LaTex" conducted by National Institute of Technology, Tiruchirappalli during 20-09-2013 to 21-09-2013.

- ## **National / International Conferences organized / Participated:**
  - Participated and presented a paper "Cubic Spline Approximation Method for Periodic Singular Perturbation Problems" in an International conference on Mathematical Sciences and Applications" organized by Department of Mathematics, St. Joseph's College, Tiruchirappalli in the year 2022.

  - Participated and presented a paper "A Numerical Methods for System of Singularly Perturbed Periodical Boundary Value Problems" in an international conference on Mathematical Methods, Modeling and Simulation in Chemical Sciences Organized by SSN College of Engineering, Chennai in the year 2018.

  - Participated and presented a paper "Variable Mesh Spline Approximation Method for Singularly Perturbed Periodical Boundary Value Problem" in an International conference on Mathematical Modeling and Computational Methods in Science and Engineering, organized by Department of Mathematics, Alagappa University, Karaikudi in the year 2017.

(B) Guest lectures delivered:

  - Delivered a lecture on "Differential Equations and Its Applications" in a Seminar conducted by Department of Mathematics, Muthayammal Engineering College, Rasipuram on 22nd May 2023.