Basic Details:

- **Name: S. LEONI SHARMILA**

- **Designation**: **Assistant Professor**
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- **Area or Subject: Mathematics**
- **Affiliation: Department of Mathematics, Ramapuram Campus, SRM Institute of Scienceand Technology**

Educational Details:

- **Degree** – B. Sc.,M.Sc., M.Phil., PGDCA, (PhD)
- **Area or Subject** – Mathematics
- **University** – Madras University, Chennai

- **Awarded Year** – **B.Sc. Mathematics, Stella Maris College, 2000**
  M.Sc., Mathematics, Stella Maris College, 2002
  M.Phil., Mathematics, Loyola College, 2003
  Ph.D. in Fuzzy Neural Networks, SRM Institute of Technology, ongoing
  PGDCA, LIBA, 2001

Other Details:

- **Courses: Calculus and Linear Algebra, Calculus and complex Analysis, Transforms and Boundary Value Problems, Probability and Queueing Theory, Probability and Random Process, Probability and Statistics, Operations Research Discrete Mathematics.**

Research Interests: Fuzzy Mathematics, Neural Networks, Machine learning methods

Selected Publications:

- With Dharuman.C, Venkatesan. P, (2019)." A Comparison of Radial Basis Function and Multilayer Perceptron Network as tool for classification of Medical Data", Journal of Physics: Conference Series,pp:1-6.
- With Dharuman.C, Venkatesan. P, (2019)." A Fuzzy Based Classification- An Experimental Analysis" , International Journal of Innovative Technology and Exploring Engineering,8(10),pp: 4634-38.
- With Dharuman.C, Venkatesan. P,(2019)." A Comparative Study of Neural Network and Fuzzy Neural Network for Classification, International Journal of Scientific & Engineering Research,10(1),pp: 1371-78.
- With Dharuman.C, Venkatesan. P,(2017). " Disease Classification Using Machine Learning Algorithms - A Comparative Study" , International Journal of Pure and Applied Mathematics, 114(6),pp: 1-10.
- With Dharuman.C, Venkatesan. P,(2017)." Neuro-Fuzzy System with Evolutionary Computing for Classification", International Journal of Pure and Applied Mathematics,113(11),pp: 37 - 45.
- With Dharuman.C, Venkatesan. P, "A Novel Neuro-Fuzzy System for Classification", Global Journal of Pure and Applied Mathematics,12(1),pp:267-70.

Papers Presented:

- **Leoni Sharmila S., "Classification of Medical Data – A Novel Approach", New Horizons in Statistical Modeling and Applications, Presidency College, Chennai, Tamilnadu, India, 2015.**
- **Leoni Sharmila S., "Machine Learning Methods for Diseases Classification", International Conference on Mathematical Computer Engineering, VIT University, Chennai, Tamilnadu, India, 2015.**
    - **Paper Presented in International Conference on "Progress in Mathematics towards Industrial Applications" on 06.11.2020 & 07.11.2020 at SRMIST- Ramapuram**

Working Papers:

Work in Progress:

Academic Experience:

- **Assistant Professor, SRM IST, Ramapuram Campus, Chennai , 2012- till dated.**
- **Lecturer, S.A. Engineering College, Avadi, 2010-12.**
- **Lecturer, G.S.S. Jain College for Women, 2008-10.**
- **Lecturer, S.K.R. Engineering College, Poonamallee, 2003-2005.**

Other Professional Experience: [Mention the Year Corresponding to Professional Experience]

Workshops /Seminars/Conferences:

- Conference attended 3rd National Conference on "Progress in Mathematics towards Industrial Applications" (NCPMTIA- 2019), 2019 at SRMIST- Ramapuram
- Workshop on Differential Equations and its Applications, 2019 at SRMIST- Ramapuram.
- Workshop on Fluid Dynamics and its Application ,2018 at SRMIST- Ramapuram.
- Conference attended 2nd National conference on "Recent Trends in Fuzzy Mathematics and its Applications"(NCRTFMA-2018) on 26.10.2018 & 27.10.2018 at SRMIST- Ramapuram
- Conference attended "National Conference on Recent Trends in Fuzzy Mathematics and its Applications on 03.11.2017 & 04.11.2017 at SRMIST- Ramapuram
- Workshop on fuzzy set theory and its applications SRM University, Ramapuram, 2017.

Achievements and Awards:

Memberships:

- Life Member in Indian Society for Technical Education,2011.
- Member in Indian Science Congress Association (ISCA) , 2015.