Basic Details:

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- **Designation:**   Assistant Professor

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- **Affiliation:**   SRM Institute of Science and Technology, Department of Mathematics, Ramapuram Campus.

Educational Details:

- **Degree, University, Awarded Year:**

  - B. Sc. – Arumugam Pillai Seethai Ammal College, Thirupathur, Sivaganga District, Madurai Kamaraj University, 2002-2004

  - M. Sc. – Alagappa Arts and Science College, Karaikudi, Sivaganga District, Alagappa University, 2004-2006

  - M. Phil. – Alagappa University,2006- 2007

  - Ph. D. – Manonmaniam Sundaranar University, Tirunalveli.

Research Interests:

   Machine Learning, Statistics

Publications:

1. Parthasarathy Sundararajan**, A Comparative Study of Life Time Models in the Analysis of Survival Data,** Indian Journal of Applied Research, January 10, 2014.
2. Parthasarathy Sundararajan**, Software Reliability Analysis Using Lifetime Distributions,** ARPN Journal of Engineering and Applied Sciences January 10, 2016
3. Parthasarathy Sundararajan, **Software Reliability Monitoring Using Gompertz Distribution**, International Journal of Pharmacy & Technology, 2016
4. Determination of Significant Variables of Medical Data Through Machine Learning Approach. JOURNAL OF CRITICAL REVIEWS, July 2020
5. COMPARISON OF WEIBULL AND BAYESIAN RELIABILITY MODELS FOR SOFTWARE RELIABILITY DATA S. PARTHASARATHY1 AND V. MADHU, Advances in Mathematics: Scientific Journal 9 (2020), no.5, 2801–2807 ISSN: 1857-8365 (printed); 1857-8438 (electronic) https://doi.org/10.37418/amsj.9.5.41
6. A COMPARATIVE STUDY ON THE LOGISTIC REGRESSION AND NAÏVE BAYES MODELS UPON MEDICAL DATA THROUGH A MACHINE LEARNING APPROACH S. PARTHASARATHY1 AND V. MADHU. Advances in Mathematics: Scientific Journal 9 (2020), no.5, 2809–2815 ISSN: 1857-8365 (printed); 1857-8438
7. **Analysis on Classification and Prediction of Leaf Disease using Deep Neural Network and Image Segmentation Technique. Annals of R.S.C.B, Volume 25, Issue 6, 2021.**
8. A Study on Rate of Occurrence of Failure Using HPP for 225 kw Windmill data**, NVEO, Volume 8, Issue 4, 2021.**
9. Prediction of grape leaf through digital image using FRCNN, S Parthasarathy b, Measurements, Sensors 24, 2022.
10. HRSR-SVM: Hybrid Reptile Search Remora-based Support Vector Machine for forecasting stock price movement, International journal of Information technology, 2023

Academic Experience:

- SRM Institute of Science and Technology, Ramapuram, Assistant Professor, from 27.07.2011 to till date
- P.M.R Institute of Science and Technology From May 2007 to 2011 July

Other Details:

- Currently guiding Two Part Time Research Scholars' in Statistics

Achievements and Awards:

- NPTEL Online Certification – Introduction for Python
- NPTEL Online Certification – Engineering Mathematics – I **(Elite)**

Membership:

IAENG (International Association of Engineers)

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