



### **Basic Details:**

**Name** : Mrs. B. Sreekha

**Designation** : Assistant Professor

**Phone Number:** 9941553440

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**Area of Subject:** Rough Set Theory

**Affiliation:** Department of Mathematics

Ramapuram Campus

SRM Institute of Science and Technology, Chennai-600089.

### **Educational Details:**

- **B.Sc Mathematics-** University of Madras – 2003
- **M.Sc Mathematics-** University of Madras – 2005
- **M.Phil Mathematics-** Prist University – 2010
- **Ph.D** – SRM University – 2023(Pursing)

**Research Interests:** Linear Algebra, Discrete Mathematics

### **Publications:**

- (1). Sreekha B., Devaki P., Felix A., (2022), "**A review on applications of rough approximation in the field of science and technology**", Neuroquantology, 20(15), pp. 1538-1550, DOI: 10.14704/NQ.2022.20.15.NQ88140.
- (2). Sreekha B., Shakeela Sathish, Devaki P., (2023), "**A new methodology on rough lattice using granular concepts**", Mathematics and Statistics, 11(1), pp. 65-70, DOI: 10.13189/ms.2023.110107.
- (3). Sreekha B., Shakeela Sathish, Narmada Devi R., Miroslav Mahdal, Robert Cep and Elavarasan K., (2023), "**Reduction of attributes on SE-ISI concept lattice for an incomplete context using object ranking**", Mathematics, 11(07), 1585, DOI: <https://doi.org/10.3390/math1107158>.

### **List of Papers Presented in International/ National Conferences:**

- (1). Recent Trends in Mathematics and Computational Science On Feb 3rd -5th 2023

under the title “ **Indiscernibility Matrix Approaches On Weight Attribute Concepts with Entropy Information**”.

- (2). Progress in Mathematics Towards Industrial Application On October 28th -29th 2022 under the title “**Analyzing Rough Lattice using Rough Relation**”.
- (3). International Conference on Mathematics and its Scientific Applications on 3rd And 4th March 2022 under the title “**Lattice Over Rough Ideal and Rough Filter in a Relation**”.
- (4). 3rd International Conference on Mathematical Techniques and Applications on 23rd – 25th March 2022 under the title “**Construction of Lattice in Approximation Space**”.
- (5). Progress in Mathematics Towards Industrial Application on October 29th and 30th 2021 under the title “ **Extended Properties of Rough Group**”.
- (6). Emerging Areas in Science and Technology (EAST 2021) on 1st And 2nd June 2021 under the title “**Radical and Nil Radical Embedded in Rough Set**”.
- (7). International Academy of Physical Science on Advances in Algebra and Analysis on December 18th – 20th 2020 under the title “  **$\Sigma$ - Algebra On Rough Measurable Space**”.
- (8). Progress in Mathematics Towards Industrial Application on November 06th and 07th 2020 under the title “**Rough Set Theory – An Overview**”.

#### **E-Courses Attended:**

- (1). Completed the online NPTEL course on “**Engineering Mathematics I**” organized by IIT Kharagpur.
- (2). Completed the online NPTEL course on “**Engineering Mathematics II**” organized by IIT Kharagpur.
- (3). Completed the online NPTEL course on “**Abstract Linear Algebra**” organized by IIT Kharagpur.

#### **Academic Experience:**

- Assistant Professor, Department of Mathematics, S.A Engineering College, Chennai, 04-06-2015 to 30-05-2020.
- Assistant Professor, Department of Mathematics, PMR Engineering College, Chennai, 14-09-2009 to 30-05-2015.
- Lecture, Department of Mathematics, Dr. Navalar Nedunchezhiyan College of Engineering, 01-06-2005 to 30-08-2009.

#### **Membership in Professional Organization:**

- Life Member in Indian Society for Technical Education.

