Basic Details:

- **Name:** Dr. Shakeela Sathish

- **Designation**: Professor & Head

- **Phone Number:** 9444404970

- **Email ID:** shakeels@srmist.edu.in, hod.maths.rmp@srmist.edu.in

- **Area or Subject:** Mathematics

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

Educational Details:

- **Degree** – M.Sc., M.Phil, PhD.

- **Area or Subject** – Mathematics

- **University** – Mangalore University, MK University , SRM University

- **Awarded Year** –   M.Sc., Mathematics, Mangalore University**,** 1994
  M.Phil., Mathematics**,** MK University**,** 1999
  Ph.D., SRM University**,** 2014

Courses

Advanced Calculus and Linear Algebra, Advanced Calculus and Complex Analysis, Transforms and Boundary Value Problems, Operations Research, Probability and Queuing Theory, Probabaility and Statistics, Discrete Mathematics, Probability and Random Processes, Operational Research.

Research Interests

Fuzzy Optimization, Soft computing, Interval Analysis, and Operations Research

Selected Publications

- With T.Yogashanthi, and   K. Ganesan, " Generalised Intutionistic fuzzy flowshop Scheduling Problem with Setup time and single Transport Facility", International journal of Fuzzy logic and Intelligent Systems, 23(1), pp 34-43, 2023

- With B. Srirekha, R. Narmada Devi, Miroslav Mahdal, Robert Cep and K. Elavarasan, "Attributes Reduction on SE-ISI Concept Lattice for an Incomplete Context Using Object Ranking" , Mathematics, 11(7), pp 1-17, (2023)

- With B. Srirekha, Shakeela Sathish and P. Devaki,, A New Methodology on Rough Lattice using Granular Concepts, Mathematics and Statistics, 11(1), pp 65-70, (2023)

- With T.Yogashanthi, and K. Ganesan, "A Study on Intuitionistic Fuzzy Critical Path Problems through Centroid Based Ranking Method", Mathematics and Statistics, 10, pp 65-70, (2023)

- With K. Ganesan, "Fuzzy Flow Shop Scheduling Problems with transportation time & weightage of jobs", International journal of Advanced Science and Technology, 28(16), pp 1237-1246, (2019)

- With Debabrata Datta, "Application of Fractals to Detect Breast Cancer",
Journal of Physics: Conference Series, doi:10.1088/1742-6596/1377/1/012030, 1377, 012030, (2019)

- With Debabrata Datta, **"**Algebra of Fuzzy Random Variable and its Application to Science and Engineering Problem- Radon Transport from Soil into Building", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, 8(10S), pp. 218-224, (2019)

- With K. Ganesan "Scheduling of flow shop problems on 3 machines in fuzzy environment with double transport facility", AIP Conf. Proc.1739, 020050(2016)

- With K. Ganesan, Scheduling of flow shop problems in fuzzy environment with single transport facility including fuzzy processing time, Indian Journal of Science and Technology, 7(3) pp. 218-224 (2015)

- With K. Ganesan, A new approach to minimize the rental cost for fuzzy flow shop scheduling under a specified rental policy including fuzzy transportation time", European Journal of Scientific Research, 118(2), pp. 267-276, (2014).

- With Ganesan K, A novel approach for the fuzzy fowshop scheduling problem with setup time to minimize the rental cost", European Journal of Scientific Research, 111(1), pp. 57-68, (2013).

- With K. Ganesan, Flow Shop Scheduling Problem to minimize the Rental Cost under Fuzzy Environment, Journal of Natural Sciences Research, 2 (10), pp. 62-72, (2012)

- With K. Ganesan, Fully Fuzzy Time-Cost Trade-Off in a Project Network - A New Approach, Mathematical Theory and Modeling, **2** (6), pp. 53- 65, (2012).

- With K. Ganesan, A simple approach to fuzzy critical path analysis in project networks, International Journal of Scientific & Engineering Research, **2** (12), pp. 01- 06, (2011)

Countries visited

- International Conference on Mathematical Sciences and Statistics- ICMSS 2016 held at Putra University, Kaula lampur , Malaysia on 26th to 28th January 2016.

- 7th European Congress of Mathematics- 7ECM held at Technique Universitate, Berlin, Germany from July 18 to July 22, 2016.

Book Chapters

- Shakeela Sathish, Datta, D. (2022). Fundamentals of Mathematical Approach to Formulate Algebra of Fuzzy Probabilistic Density Function, RcHuB Publications

- **Number of Ph.D Students**: 3
- **Ph.D. viva voce examiner** : 3
- **FDP's/ Workshops organized:** 150
- **National Conferences organized:** 3
- **International Conferences organized:** 3

Academic experience:

- Professor, Ramapuram Campus, SRM IST, Chennai-89, 2018 onwards

- Asst. Prof. (S.G.), Ramapuram Campus, SRM University, Chennai-89, 2009-2018

- Lecturer, Ramapuram Campus, SRM University, Chennai-89, 2004-2009.

- Lecturer, Valliammai Engineering College, Kattankulathur, 2000-2001.

- Lecturer, M.G.R. Engineering College, Maduravoyal, Chennai, 1999-2000.

- Lecturer, P.P.C., Udupi, Karnataka, 1994-1995, 1996-1999.

Memberships:

- Indian Science Congress Association (ISCA) , 2009
- Indian Society for Technical Education (ISTE) – Life member, 2020
- International Association of Engineers (IAENG)- Life member, 2023