

## **Basic Details:**

- **Name** : Mr. V. Saravanan
- **Designation** : Assistant Professor (O.G.)
- **Phone Number** : +91 9500997758
- **Email ID** : saravanv11@srmist.edu.in
- **Area or Subject** : Queueing Theory
- **Affiliation** : Department of Mathematics, SRM Institute of Science and Technology, Ramapuram Campus, Chennai - 600 089.

## **Educational Details:**

- B.Sc. Mathematics – St. Joseph’s College, Bharathidasan University, Trichy, Tamil Nadu –2015.
- M.Sc. Mathematics – Jamal Mohamed College, Bharathidasan University, Trichy, Tamil Nadu – 2017.
- M.Phil. Mathematics – St. Joseph’s College, Bharathidasan University, Trichy, Tamil Nadu –2019.
- Ph.D. – SRM Institute of Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu - 2023 (Thesis Submitted).

**Research Interests:** Queueing Theory, Stochastic Processes, Markov Process and Operations Research

## **Publications:**

- Saravanan, V., Poongothai, V., & Godhandaraman, P. Performance Analysis of a Multi-Server Retrieval Queueing System with Unreliable Server, Discouragement and Vacation Model. *Mathematics and Computers in Simulation*, 214, 204-226, 2023. **(SCI Indexed; IF: 4.6)**.
- Saravanan, V., Poongothai, V., & Godhandaraman, P. Admission Control Policy of a Two Heterogeneous Server Finite Capacity Retrieval Queueing System with Maintenance Activity. *OPSEARCH*, (Pre-Proof), 2023. **(ESCI, Scopus; IF: 1.6)**.
- Saravanan, V., Poongothai, V., & Godhandaraman, P. Performance Analysis of a Retrieval Queueing System with Optional Service, Unreliable Server, Balking and Feedback. *International Journal of Mathematical, Engineering and Management Sciences*, 8(4), 769-786, 2023. **(ESCI, Scopus; IF: 1.6)**.
- Poongothai, V., Saravanan, V., Kannan, M., & Godhandaraman, P. An M/M/2 Retrieval Queueing System with Discouragement, Breakdowns and Repairs. In *AIP Conference Proceedings* (Vol. 2516, No. 1). AIP Publishing, 2022. **(Scopus)**.

- Poongothai, V., Saravanan, V., & Godhandaraman, P. An Unreliable  $M/M/1$  Retrial Queue with Discouragement under Threshold Recovery Policy. *Recent Advancement of Mathematics in Science and Technology (First Edition), Book Chapter, JPS Scientific Publications*, 125-132, 2021. ISBN: 978-81-950475-0-5.

**Academic Experience: Nil**

**Other Professional Experience: Nil**

**Other Details:**

**Achievements and Awards: Nil**

**Memberships: Nil**

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