

CURRICULUM VITAE

M.THIAGARAJAN

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EDUCATION

- 2008 Ph.D. Mathematics, Bharathidasan University, Tamil Nadu, India
(Dissertation Title : “A study on various queueing models with controllable arrival rates having interdependent inter-arrival and service times”).
- 1993 M.Phil. Mathematics, Bharathidasan University, Tamil Nadu, India.
- 1991 M.Sc. Applied Mathematics, H.H.The Raja's College, Bharathidasan University, Tamil Nadu, India.
- 1989 B.Sc. Mathematics, Bishop Heber College, Bharathidasan University , Tamil Nadu, India.

EMPLOYMENT

Associate Professor in Mathematics, St.Joseph's College(Autonomous), Tiruchirappalli, Tamil Nadu, India. December 1999 – present.

RESEARCH INTERESTS

Stochastic models in Queueing theory

TEACHING EXPERIENCE

20 years of experience in teaching Stochastic Processes for Post Graduate students.

REFEREED PUBLICATIONS

1. "*M/M/1/K Interdependent queueing model with controllable arrival rates*",
International Journal of Management and Systems , (2006) Vol.22,
No.1,pp 23-34 (with A.Srinivasan).
2. "*M_[X]/M/1/□ Interdependent queueing model with controllable arrival rates*,"
Journal of Decision and Mathematical Sciences ,(2006) Vol .11, No. 1-3,
pp 7-24 (with A.Srinivasan).
3. "*A finite capacity multiserver Poisson input queue with interdependent inter-arrival and service times and controllable arrival rates*", **Bulletin of Calcutta Mathematical Society**, (2007) Vol.99 , No.2 ,pp153-162 (with A.Srinivasan). 4.
4. "*M / M /c/ K /N interdependent queueing model with controllable arrival rates bulking ,reneging and spares*", **Journal of Statistics and Applications**, (2007)
Vol.2, Nos.1-2 ,pp56-65 (with A.Srinivasan).
5. "*Busy period analysis of M/M/1/□ interdependent queueing model with controllable arrival rates*", **Acta Ciencia Indica**,(2007),Vol.XXXIIIM, No.1,pp.19-24 (with A.Srinivasan).

6. "Geo /Geo /c / ∞ interdependent queueing Model with controllable arrival rates",
 Proceedings of the National Conference on Mathematical and Computational
 Models (2008), **Narosa Publishing House**, New
 Delhi, pp 113- 122 (with A.Srinivasan).
7. "A finite population loss and delay queueing system with interdependent inter-
 arrival and service times, controllable arrival rates and no passing",
Journal of Applied Statistical Science (2009) , Vol.17, No.1, pp47-64 (with
 A.Srinivasan).
8. M/M/c/K loss and delay interdependent queueing model with controllable
 arrival rates and no passing , **Sankhya Series B (2012) ,Vol.71, Part 1**
,Springer. (with A.Srinivasan).
9. "The M/M/1/K Interdependent Retrieval Queueing model with Controllable
 Arrival Rates", **International Journal of mathematical sciences and**
Engineering application, Vol 8, 2014 (with , B.Antline Nisha and
 A.Srinivasan).
10. "The M/M/1/K/N Interdependent Retrieval Queueing model with Impatient
 customers and Controllable Arrival Rates";, **International Journal of Applied**
Research,Vol 3,2014(with B.Antline Nisha).
11. "The M/M/1/K/N Interdependent Retrieval Queueing model with Controllable
 Arrival Rates", **International Journal of Mathematical Sciences and**
Engineering Applications, Vol 8, 2014(with B.Antline Nisha).

12. "A finite capacity Multiserver Interdependent Queuing Model with Controllable Arrival Rates", **Applied Mathematical Sciences, Vol19, 2015**(with B.Antline Nisha)..
13. "A finite capacity loss and Delay Interdependent Retrieval Model with Controllable arrival Rates and no passing", **International Journal of Computational Sciences and Mathematics, Vol 7, Number 1, 2015**(with B.Antline Nisha).
14. "M/M/c/K/N Interdependent Retrieval Queuing model with Controllable Arrival rates", **Global Journal of Applied Mathematics, Vol13, Number1,2017**(with B.Antline Nisha).
15. "A Single server Markovian Queuing System with Discouraged Arrivals Retention of Reneged Customers and Controllable Arrival Rates", **International Journal of Mathematical Archive - 7(2),2016** (with S.Premalatha).
16. "A Multi server Markovian Queuing System with Discouraged Arrivals Retention of Reneged Customers", **Controllable Arrival Rates, Loss and Delay and no passing, International Journal recent Scientific Research, Vol 8, Issue 3, 2017** (with S.Premalatha).
17. "A Single server Markovian Feedback Queuing System with Discouraged Arrivals Retention of Reneged Customers and Controllable Arrival Rates", **International Journal of Advanced Scientific and Technical Research, Vol 2, Issue 6, 2016** (with S.Premalatha).

18. *"The M/M/1/N Interdependent Queuing Model with Controllable Arrival Rate and Reverse Balking"*, **International Journal of Current Research, Vol 8, Issue 01, 2016** (with S. Sasikala).
19. *"The M/M/C/N Interdependent Queuing Model with Controllable Arrival Rate and Reverse Balking"*, **Asian Journal of Current Engineering and Maths, 2016** (with S. Sasikala).
20. *"The M/M/1/N Interdependent Queuing Model with Controllable Arrival Rate, Reverse Balking and Reverse Reneging"*, **International Journal of Innovative Research and Development, Vol 5, Issue 4, 2016**(with S. Sasikala).
21. *"The M/M/c/N/K Interdependent Queuing Model with Controllable Arrival Rate and Reverse Balking"*, **International Journal of Innovative Research in Science, Engineering and Technology, Vol 5, Issue 5, 2016**(with S. Sasikala).

REFEREEING

Refereed - 1 Research Paper for Publication in the Journal of **OPSEARCH** - A National Journal published by Operational Research Society of India.

Research Project

Minor Research Project : A STUDY ON VARIOUS INTERDEPENDENT QUEUEING MODELS WITH CONTROLLABLE ARRIVAL RATES. Reference : MRP- 693/05(UGC-SERO) Link No. 1693.0, dated February 2005.

Grant approved : Rs. 40,000

GUIDANCE

2 Students completed Ph.D

1 Student submitted Ph.D thesis

3 Students are doing Ph.D.

CONFERENCES / COURSES ATTENDED

February 2012 delivered a lecture on “Stochastic Models in Queueing Theory” in the Mathematics Association, Department of Mathematics, Holy Cross College , Trichy

28th January 2012 , delivered a lecture on “Stochastic Models in Queueing Theory” in the Mathematics Association, Department of Mathematics, Chidambarambillai College for Women, Mannachanallur, , Trichy.

10th - 30th November 2010 , UGC Academic Staff College, Bharathidasan University, Tamil Nadu, India -participated in the Refresher Course on Mathematics.

13th October 2009, delivered a special lecture on “ Stochastic models in queueing theory” in the Mathematics Association, Department of Mathematics, National College, Trichy.

13th -15th December 2007 , National Conference on Mathematical and Computational Models (NCMCM 2007), PSG College of Technology, Coimbatore, Tamil Nadu, India - participated and presented a research paper entitled “*Geo/Geo/c Interdependent Queueing model with controllable arrival rates*”.

6th - 8th January 2007 , International Conference -CMASM 2007-FIM XIV- Computational, Mathematical and Statistical Methods, Indian Institute of Technology Madras, Tamil Nadu, India - participated and presented a research

paper entitled "*Geo/Geo/1 Interdependent Queueing model with controllable arrival rates*".

1st - 21st June 2006 , UGC Academic Staff College, Bharathidasan University, Tamil Nadu, India -participated in the Refresher Course on Educational Technology.

15th - 17th December 2005, National Conference on Applied Stochastic Processes, Presidency College, Chennai, Tamil Nadu, India- participated and presented a research paper entitled "*M/M/C/K/N Interdependent Queueing model with controllable arrival rates, balking ,reneging and spares*".

2nd - 3rd December 2004, National Seminar on Recent Developments in Applied Mathematics, St.Joseph's College, Tiruchirappalli, Tamil Nadu, India-participated.

8th - 9th September 2004, State level Seminar on Mathematical Methods in Social Sciences, Jamal Mohammed College, Tiruchirappalli, Tamil Nadu, India-participated and presented a research paper entitled " *$M_{[x]}/M/1$ Interdependent Queueing model with controllable arrival rates*".

4th - 5th September 2004, State level Seminar on Decision making Techniques, A.V.V.M Sri Pushpam College, Poondi, Tamil Nadu, India- participated and presented a research paper entitled "*M/M/C/K Interdependent Queueing model with controllable arrival rates*".

19th February - 18th March 2003, Orientation Course, UGC Academic Staff College, Pondicherry University, India - attended.

20th – 21st December 2001, State level Seminar on Discrete Mathematics, H.H.The Rajah's College, Tamil Nadu, India- participated.

13th February – 14th February, International Conference on Mathematical Methods and Computation, Jamal Mohamed College (Autonomous), Trichy, India- Chairperson

2nd March and 3rd March 2018, National Conference on Recent Trends in Applied Mathematics, Bishop Heber College(Autonomous), Trichy, India – Chairperson
