FACULTY PROFILE

Name of Teaching Staff / RMK ID	**Dr. SUGANTHI P / T0425**
Designation	**Assistant Professor**
Department	**Science and Humanities**
Date of Joining the Institution	**29.06.2006 (Regular)**

Qualifications	**M.Sc (Mathematics)**	**M.Phil (Mathematics)**	**Ph.D. (Mathematics)**
Total Experience	**Overall: 18 Years**		**in RMK: 16 Years 9 Months**
Papers Published in Journal	**Overall: 14+1**		**After Joining RMK :14+1**

List of Papers Published	1. Suganthi, P & Pavai Madheswari, S 2015, 'Retrial queueing system with customer impatience', Global Journal of Pure and Applied Mathematics, vol. 11, pp. 3177-3188. 2. Pavai Madheswari, S, Suganthi, P & Josephine, SA 2016, 'Retrial queueing system with retention of reneging customers, International Journal of Pure and Applied Mathematics, vol. 5, pp. 11-20. 3. Pavai Madheswari, S & Suganthi, P 2016, 'An M/G/1 Retrial queue with second optional service and starting failure under modified Bernoulli vacation, Transylvanian Review, vol. 24, pp. 1602-1621. 4. Pavai Madheswari, S & Suganthi, P 2017, 'An M/G/1 Retrial queue with second optional service and unreliable server under single exhaustive vacation', Nonlinear Studies, vol. 24, no. 2, pp. 389-415. 5. Pavai Madheswari, S & Suganthi, P 2018, 'A Comparative Study of Various Vacation Policies in an M/G/1 Retrial Queue with Customer Balking', Asia Mathematika, vol. 1, no. 2, pp. 22-48. 6. Pavai Madheswari, S, Krishna Kumar, B & Suganthi, P 2019, 'Analysis of M/G/1 retrial queues with second optional service and customer balking under two types of Bernoulli vacation schedules', RAIRO-Oper. Res., vol. 5, no. 3, pp. 415-443. 7. Pavai Madheswari, S & Suganthi, P 2019, 'An M/G/1 Retrial Queue with Unreliable Server and Customer Feedback under Modified Bernoulli Vacation Schedule', Journal of Applied Science and Computations, vol. 6, no. 5, pp. 1937-1953. 8. A.Vijayalakshmi, M. Meena, and P. Suganthi, 2020, Statistical

	Analysis on Vulnerable Categories of Covid-19 - A Birds Eye View, Journal of Xidian University, vol. 14, no.7, pp. 1136 – 1142.
	9. Suganthi, P 2020, 'Single Server Repairable Queueing Model with Variable Arrival and Repair Rate' Solid State technology, vol. 63, no. 5, pp. 6067-6073.
	10. Pavai Madheswari, Josephine, SA & Suganthi, P, Life Time Elongation Of Wireless Sensor Networks Using Discrete Time Queues With Vacation Control Dynamic Systems and Applications, vol. 30, no. 7, 2021.
	11. Suganthi P and Iyswariya A 2021, The Role of Engineering Mathematics in Electronics and Communication and Electrical Engineering, Design Engineering, no. 6, pp. 2050 - 2059.
	12. VS Binu and Suganthi P 2021, Responses towards Remote Learning: An Analysis of Teaching and Learning milieu in Professional Colleges during the Lockdown, Design Engineering, pp. 14703 -14714.
	13. Pavai Madheswari, S. and Suganthi, P. 2021, Retrial queue with unreliable server and second optional service under K types of Bernoulli vacations', Int. J. Services and Operations Management, Vol. 40, No. 4, pp.502–533.
	14. Suganthi, P and Pavai Madheswari, S. 2022, An energy-saving single server queueing model under working vacation and working breakdown, NeuroQuantology, 2022, Vol. 20, No.6, pp. 9342-9351.

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall: 02	After Joining RMK: 02
Ph.Ds / Projects Guided	Ph.Ds Guided: Nil	Student Projects Guided: Nil
Books Published:	Count: 1	
	List: Pavai Madheswari S, Suganthi P and Vasanthamani K, 2021, 'A Study on Geo/G/1 Retrial Queueing System with Starting Failure and Customer Feedback,' Book Chapter, Taylor & Francis eBooks ,CRC Press, 1st Edition, 2021.	
Patents	Published Count: 02	Granted Count: Nil

	List:
	   1. Utrasonic Blind Stick Using Arduino Nano
	
	   2. Automated social distance monitor through message intimation and transfer

Professional Memberships	Count: 03
	List: ❖ The Indian Society for Technical Education ❖ International Association of Engineers (IAENG) ❖ Institute of Research
Consultancy Projects Completed	Count: Nil
Awards Received	Count: 02
	List: ❖ **Best Outstanding Researcher National Award 2021** from Kamarajar Institute of Education and Research (KIER) for outstanding performance**.** ❖ **Research excellence Award 2021 for Outstanding professional & research achievement in the field of Mathematics** from Institute of Research, Wayanad, Kaerala.
Research grants Received	Nil
Orchid Link / ID	https://orcid.org/0000-0002-8251-9660
Google Scholar Link / ID	https://scholar.google.com/citations?user=YxcKV2UAAAAJ&hl=en
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/267259 / 267259
Research Gate Link / ID	https://www.researchgate.net/profile/Suganthi-Poomalai /
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=57882648700