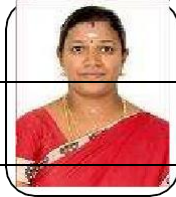


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.C.K.Sivashankari/T0982			
Designation	Associate Professor			
Department	Science and Humanities)			
Date of Joining the Institution	21.06.2018 (Regular)			
Qualifications	M. Sc (Mathematics)	M. Phil (Mathematics)	Ph.D (Mathematics)	
Total Experience	Overall : 13.9 years		in RMK : 7.4 years	
Papers Published in Journal	Overall : 47 years		After Joining RMK : 18	
List of Papers Published	<p>1. C.K. Sivashankari and Lalitha Ramachandran (2021), Inventory models with integrated time dependent demand for deteriorative items in third and fourth order equations, RAIRO Operations Research, Vol. 55, No. 5, pp. 2883 – 2905. (Impact factor 1.58)</p> <p>2. C.K.Sivashankari and S.Panayappan, (2015), Production inventory model for two levels production with defective items and shortages, International Journal of Advanced Manufacturing Technology, Vol. 76, No. 9-12, pp.2003-2014. Springer, Impact Factor: 1.779).</p> <p>3. C.K.Sivashankari and P.Vijayakumar (2021) Inventory models for deteriorative items with constant and linear price dependent demand- in third order equation". BEIO, 2387-1725.</p> <p>4. C.K.Sivashankari and Lalitha Ramachandran (2021) Production inventory models for deteriorative items with continuous compound demand and growth of demand, Revista Investigacion operacional , Vol 42, No.1, 46-62,2021</p> <p>5. C.K.Sivashankari and R. Valarmathi (2021) Multi Rates (One, two and three) of production inventory models for deteriorating items with comparative study. Revista Investigacion Operacional, Vol 42, No 1, 9-28,2021</p> <p>6. C.K. Sivashankari, (2019) Imperfect production system with rework of regular production with sales returns by customers and buffer stock, Int. J. Applied Management Science, Vol. 11, No. 2, 2019, 171-183, Scopus indexed.</p> <p>7. C.K. Sivashankari (2019), Purchasing inventory models or exponential demand with deteriorating items and discounted cost – in third order equation, International Journal of Procurement Management, vol 12. No 3. 2019 321-335.</p> <p>8. C.K. Sivashankari, (2017), Purchasing Inventory models for non- Deteriorative items with Constant, Linear and Quadratic</p>			

Demand – a comparative study, International Journal of Operational Research, Nepal, Vol. 6, Issue 1, pp 1-15.

9. C.K.Sivashankari (2017) , EOQ models for non-deteriorative items and shortages – in third order equation, International Journal Of Creative Research Thoughts , Vol 5,Issue 4 Nov 2017.

10. C.K. Sivashankari, (2016), Production Inventory model with deteriorating items with constant, linear and quadratic holding cost- a comparative study, International Journal of Operation Research, Vol. 27, No. 4, pp. 589-609.

11. C.K. Sivashankari and C. Krishnamoorthi (2016), Production Inventory Model for Deteriorating items for three levels of production and shortages, Yugoslav Journal of Operation Research, DOI : 10.2298/YJOR150630014K, published 18.10.2016 (impact factor : 0.56)

12. C.K. Sivashankari and C. Krishnamoorthi (2016), A purchasing inventory model for Deteriorating items with Quadratic Holding cost and shortages – in 3rd order equation, International Journal of Operational Research, Accepted.

13. C.K. Sivashankari and S. Panayappan, (2015), “Production Inventory model with defective items and integrates cost reduction delivery policy”, International Journal of Operation Research, Vol. 24, No. 1, pp.102-219.

14. C.K.Sivashankari and S.Panayappan, (2014) “Production Inventory model for two levels of production with defective items and incorporating multi-delivery policy”, International Journal of Operation Research”, Vol.19, Number 3, pp.259-279.

15. C.K.Sivasankari, Production Inventory Model with Deteriorating items and price, International Journal of Scientific and Engineering Research, vol 5,Issue 9 ,Sep 2014.

16. C.K.Sivashankari and S. Panayappan (2013), “Production inventory model with reworking of imperfect production, scrap and shortages, International Journal of Management Science and Engineering Management, Vol.9(1), pp.9-20 (Taylor’s Francies).

17. C.K.Sivashankari and S.Panayappan (2013), “Production Inventory model for Three Levels of Production and Demand with Integrates Cost Reduction Delivery Policy”, European Journal of Scientific Research, Vol.116, No.2, pp. 271-286. (Impact Factor: 0.732).

18. C.K.Sivashankari and S. Panayappan, “A Production inventory model for deteriorating items with growth of demand and shortages”, International Journal of Operation Research, **Vol .24, No.4, 2015**

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 15	After Joining RMK :05
Ph.Ds / Projects Guided	Ph.Ds Guided : 04 (Guiding)	Student Projects Guided : Nil
Books Published :	Count :2	
	<p>1. C.K. Sivashankari (2017), Optimal Production Model for Deteriorative items with three stages of production and Reduction in Holding cost and Maximum inventory, “Industrial Engineering and Management Practices (International Edition)”, ISBN:978-93-84443-56-6, Chapter 17, pp. 309-338.</p> <p>2. C.K.Sivashankari (2017), Production inventory models for one, two and three stages of production with cost reduction delivery policy, published by Meta Research Press (MRP), New Delhi, “Industrial Engineering and Management”, ISBN: 978-81-932850-1-5</p>	
Patents	Published Count : 1	Granted Count :0
	List : IOT BASED FOOD INVENTORY TRACKING SYSTEM	
Professional Memberships	Count : 07	
	<p>Operation Research Societies of India The Indian Society for Technical Education The Indian Science Congress Association Ramanujan Mathematical Society IAENG-International Association of Engineers Indian Mathematical Society Institute of Researchers, Kerala</p>	
Consultancy Projects Completed	Count : 01	
Awards Received	Count :02	
	<p>1.Best Paper Award for “A Mathematical Model for product life cycle” at 2nd international Conference on current scenario in pure and applied mathematics, KonguNadu arts and science college Coimbatore on 03.01.2019.</p> <p>2.Young Researcher Award 2021, Institute of Researcher, Kerala (India)</p>	
Research grants Received	Nil	
Orchid Link / ID	0000-0002-6974-0782	
Google Scholar Link / ID	JX8yKNIAAAAJ	

Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/281694
ResearchGate Link / ID	AAE-2857-2022
Scopus Link / ID	56102267900