


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr J.Sathiamoorthy / T1088			
Designation	Associate Professor (Gr -II)			
Department	Computer science and Engineering			
Date of Joining the Institution	01-08-2022			
Qualifications	B.Tech	M.Tech	Ph.D	
Total Experience	Overall : 16 years 7 month		in RMK : 3 Month	
Papers Published in Journal	Overall : 20		After Joining RMK : Nil	
List of Papers Published	<p>1. J.Sathiamoorthy, Dr.B. Ramakrishnan “A Reliable Data Transmission in EAACK MANETs Using Hybrid Three-Tier Competent Fuzzy Cluster Algorithm “Springer Journal of Wireless Personal Communication, pp 1-20, 16 August 2017(Online), Science Citation Index Expanded (SCI (E)), SCOPUS.</p> <p>2. J.Sathiamoorthy, Dr.B. Ramakrishnan “STFDR: Architecture of Competent Protocol for Efficient Route Discovery and Reliable Transmission in CEAACK MANETs “Springer Journal of Wireless Personal Communication, pp 1-20, 14 August 2017(Online), Science Citation Index Expanded (SCI (E)), SCOPUS.</p> <p>3. J.Sathiamoorthy, Dr.B. Ramakrishnan, Usha.M “Design of a proficient hybrid protocol for efficient route discovery and secure data transmission in CEAACK MANETs” Elsevier Journal of Information Security and Applications 36 (2017) 43–58, Science Citation Index Expanded (SCI (E)), SCOPUS.</p> <p>4. J.Sathiamoorthy, Dr.B. Ramakrishnan “A competent three-tier fuzzy cluster algorithm for enhanced data transmission in cluster EAACK MANETs “Springer Soft Computing, 11 July 2017(Online), Science Citation Index, Science Citation Index Expanded (SCI (E)), SCOPUS.</p> <p>5. J.Sathiamoorthy, Dr.B. Ramakrishnan “Energy and Delay Efficient Dynamic Cluster Formation Using Improved Ant</p>			

Colony Optimization Algorithm in EAACK MANETs“Springer Journal of Wireless Personal Communication, pp 1-122, November (2016), **Science Citation Index Expanded (SCI (E)), SCOPUS.**

6. **J.Sathiamoorthy**, Dr.B. Ramakrishnan “Energy and delay efficient dynamic cluster formation using hybrid AGA with FACO in EAACK “Springer Journal of Wireless Networks, pp 1-15, December (2015), **Science Citation Index, Science Citation Index Expanded (SCI (E)), SCOPUS.**

7. **J.Sathiamoorthy**, Dr.B. Ramakrishnan, Usha.M “A reliable and secure data transmission in CEAACK MANETs using Distinct Dynamic Key with classified Digital Signature Cryptographic Algorithm “IEEE Wireless Communication International Conference on Computing and Communications Technologies (ICCCT), Feb 2015, **SCOPUS.**

8. **J.Sathiamoorthy**, Dr.B. Ramakrishnan, Usha.M “Performance Analysis of Spectrum sensing Techniques in Cognitive Radio based Vehicular Ad Hoc Networks (VANET) “IEEE Wireless Communication International Conference on Computing and Communications Technologies (ICCCT), Feb 2017, **SCOPUS.**

9. **J.Sathiamoorthy**, Dr.B. Ramakrishnan “CEAACK - A Reduced Acknowledgment for Better Data Transmission for MANETs “International Journal of Computer Network and Information Security, Vol-2, pp- 64-71, 2016, **SCOPUS and Microsoft Academic Search.**

10. **J.Sathiamoorthy**, B. Ramakrishnan, and M. Usha. "Design of a competent broadcast algorithm for reliable transmission in CEAACK MANETs." Journal of Network Communications and Emerging Technologies 5.1 (2015): 144-151.**UGC Approved Journal.**

11. **J.Sathiamoorthy**, B. Ramakrishnan, M. Usha & R. Bhagavath Nishanth “A Role of SMS Gateway Server in Mobile Communication." International Journal of Emerging Technologies in Engineering Research (IJETER) Volume 1, Issue 2, July (2015). **UGC Approved Journal.**

12. **J.Sathiamoorthy**, Dr.B. Ramakrishnan & M. Usha “A Three Layered Peer-to-Peer Energy Efficient Protocol for Reliable and Secure Data Transmission in EAACK MANETs“Springer Journal of Wireless Personal Communication, Article First Online: 15 May 2018, **Science Citation Index Expanded (SCI (E)), SCOPUS.**

13. **J.Sathiamoorthy**, Dr.B. Ramakrishnan & M. Usha “A Trusted Waterfall Framework Based Peer to Peer Protocol for Reliable and Energy Efficient Data Transmission in MANETs “Springer Journal of Wireless Personal Communication, Article First Online: 17 May 2018, **Science Citation Index**

	<p>Expanded (SCI (E)), SCOPUS.</p> <p>14. J.Sathiamoorthy, Geetha Rani & T. Shunmugavadivoo “A PERFORMANCE EVALUATION OF IoT INTERMS OF SECURITY” International Journal of Pure and Applied Mathematics, Volume 119 No. 12 2018, 13861-13868, SCOPUS.</p> <p>15. M. Usha, J. Sathiamoorthy, R. Ashween, Bhagavath Nishanth Ramakrishnan, “EEMCCP - A Novel Architecture Protocol Design for Efficient Data Transmission in Underwater Acoustic Wireless Sensor Network”, International Journal of Computer Networks and Applications (IJCNA), DOI: 10.22247/IJCNA/2020/195674, Volume 7, Issue 2, March – April (2020), SCOPUS</p> <p>16. J.Sathiamoorthy, M.Usha & R.Ashween “A Trusted Water Fall Model for Efficient Data Transmission in VANET“ Springer Journal of Wireless Personal Communication, Article First Online: 29 April 2021, Science Citation Index Expanded (SCI (E)), SCOPUS.</p> <p>17. Dr. S. Ravichandran, Dr. J. Sathiamoorthy,” Design and Development of an Innovative Method of Palmprint Sympathy Using Isolated Stockwell Renovate”, International Journal of Recent Engineering Science (IJRES), Volume 6 Issue 2, 29-33, Mar-Apr 2019. UGC Approved Journal</p> <p>18. Dr. S. Ravichandran, Dr. J. Sathiamoorthy,” An Innovative Performance of Refuge using Stowage Main Servers in Cloud Computing Equipment”, Asian Journal of Computer Science and Technology , Vol. 10 No. 1, 2021.</p> <p>19 Dr. S. Ravichandran, and Dr. J. Sathiamoorthy “Design and Development of lattice supply observing and machine learning constructed expectation”, International Journal of Advanced Science and Research (IJASR) (ISSN: 2455-4227) Volume 5, Issue 4, August 2020. (UGC Approved Journal)</p> <p>20. J.Sathiamoorthy, M.Usha, S. Ravichandran & R.Ashween “OEEFCP – an optimal energy efficient framework employing cluster communication based routing protocol for UWCNs “Springer Journal of Wireless Networks, Publied online : 14 Feb (2022),Science Citation Index, Science Citation Index Expanded (SCI (E)), SCOPUS</p>	
<p>Papers Presented in Conferences (Scopus / WoS indexed only)</p>	<p>Overall : 14</p>	<p>After Joining RMK : Nil</p>
<p>Ph.Ds / Projects Guided</p>	<p>Ph.Ds Guided :</p>	<p>Student Projects Guided : 11</p>
<p>Books Published :</p>	<p>Count : 2</p>	

	List : 1. A NOVEL SECURE SDN ARCHITECTURE FOR RELIABLE DATA TRANSMISSION IN 5G NETWORKS 2. INTRODUCTION TO DATA SCIENCE, Spectrum Education	
Patents	Published Count :1	Granted Count : 0
	List : Big data source to detect the data leaks using SQL and AI system	
Professional Memberships	Count : 0	
	List :	
Consultancy Projects Completed	Count : 0	
Awards Received	Count : 1	
	List : WILEY Reviewer Certificate for reviewing 3 manuscript during the year 2021-2022	
Research grants Received	Nil	
Orchid Link / ID	https://orcid.org/0000-0002-6392-7829 / ID : 0000-0002-6392-7829	
Google Scholar Link / ID	https://scholar.google.co.in/citations?user=CPViM5wAAAAJ&hl=en ID : CPViM5wAAAAJ&hl=en	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/255797 ID : 255797	
Research Gate Link / ID		
Scopus Link / ID	ID : 57021843000	