St. Joseph's Institute of Technology

St. Joseph's Group of Institutions

OMR, Chennai – 119

Department of Electronics and Communication Engineering
(Accredited by NBA)

Staff Name:	Dr.GETSY S SARA
Designation:	Assistant Professor
Date of Birth:	10-06-1982
Educational Qualification:	Ph.D
Area of Interest:	Computer Networks, Wireless Sensor Networks, Adhoc Networks, Cyber Security, Artificial Intelligence
Years of Experience:	4 Years 8 Months
Area of Research:	Wireless Sensor Networks
Supervisor:	NA
No. of Students Project Guided	NA
Publications Details:	Journals (SCI- Indexed)- 2 Journals (non-SCI-Indexed)- 5 Book Chapter -1 International Conferences-03
FDP & Workshop Attended Details:	FDP-7 (Inclusive of 4 NPTEL) Workshop-01
Professional Membership:	NA

Journal Publications:

1. **Getsy S Sara** and Sridharan, D. "**Routing in Mobile Wireless Sensor Network: A Survey**" **Telecommunication Systems** Modelling, Analysis, Design and Management, Vol. 57, No.1, pp. 51-79, DOI 10.1007/s11235-013-9766-2, 2014. (SCI 2.3)

2. **Getsy S Sara** and Sridharan, D. "**A Genetic-Algorithm-Based Optimized Clustering for Energy-Efficient Routing in MWSN**", **ETRI Journal**, Vol. 34, No. 6, pp. 922-931, December 2012. (SCI 1.6)

3. **Getsy S Sara** and Sridharan, D. "**Design Framework of Collision avoidance and Energy Efficient MAC in MWSN**", **International Journal of Computer and Electrical Engineering**, Vol. 4, No. 4, pp. 543-546, 2012.

4. **Getsy S Sara**, R. Kalaiarasi, S. Neelavathi Pari and D. Sridharan, "**Energy Efficient Clustering and Routing in Mobile Wireless Sensor Network Routing Protocol**", **International Journal of Wireless and Mobile Networks (IJWMN)**, Vol.2, No.4, pp: 106-114, 2010.

5. **Getsy S Sara**, R. Kalaiarasi, S. Neelavathi Pari and D. Sridharan, "**Energy Efficient Mobile Wireless Sensor Network Routing Protocol**" **Communications in Computer and Information Science**, **Recent Trends in Networks and Communications**, Springer-Verlag Berlin Heidelberg, 2010, pp: 642 – 650, 2010.

6. R. Kalaiarasi, **Getsy S. Sara** S. Neelavathy Pari and D. Sridharan, "**Performance Analysis of Contention Window Cheating Misbehaviors in Mobile Ad hoc Networks**", **International Journal of Computer Science & Information Technology (IJCSIT)**, Vol. 2, No.5 pp: 31-42, 2010.

7. **Getsy S Sara**, S. Neelavathi Pari and D. Sridharan, "**Evaluation and Comparison of Emerging Energy Efficient Routing Protocols in MANET**", **ICTACT Journal on Communication Technology**, Vol. 01, pp: 37-46, 2010.

8. **Getsy S Sara**, S. Neelavathi Pari and D. Sridharan, "**Energy Efficient Ad hoc On Demand Multipath Distance Vector Routing Protocol**", **International Journal of Recent Trends in Engineering (IJRTE),** Vol.2, No.3, pp: 10-12, 2009.

Conference Publications:

1. R. Kalaiarasi, **Getsy S. Sara**, S. Neelavathy Pari and D. Sridharan, "**ANAV Timer for Detecting MAC Layer Misbehavior in MANET**," In the Proceedings of **International Conference on Advances in Communication, Network, and Computing (CNC 2010) October 04-05, 2010, Calicut, pp. 75-78.**

2. **Getsy S Sara**, '**Energy Efficient Timing Synchronization in Sensor Networks**' in the proceedings of **International Conference on Trendz in Information Sciences & Computing,** Chennai, December 2007.

3. **Getsy S Sara**, Hemalatha '**Timing Synchronization in Sensor Networks using Dynamic Reference Broadcast**' in the proceedings **of National Conference on Emerging Trends in Networks & High Performance Communication System**, Hosur, 2006.