FACULTY PROFILE

Dr.B.Rajesh Shyamala Devi
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Experience : 18.5 Years

Research area : Wireless Networks and Communication

Recent Publications:

International Journal

1. B.Rajesh Shyamala Devi, A.George, Aby.K.Thomas," Performance Investigation of Low Power Radio Duty Cycling MAC for resource constrained WSN" *International Journal of Engineering and Technology*, Vol.7, Issue No. 1.9,pp.no: 93-98,Jan 2018.

2. B. Rajesh Shyamala Devi and A. George "Hybrid CSMA/CA-TDMA Based MAC Protocols for Wireless Sensor Networks" *ARPN Journal of Engineering and Applied Sciences* , Vol. 10, No. 4, MARCH 2015 ISSN 1819-6608.

3. Devi Priya, B.Rajesh Shyamala Devi and Thenkumari.K "Efficiency Improvement In Wireless Sensor Networks Using Abc Algorithm For Cluster Packet Forwarding" *Indian Journal Of Science and Technology*,Volume3,Issue3, August 2016.

4. D.Antony Pradeesh, B. R. Shyamala Devi"Duty Cycle Scheduling Based on A-MAC Protocol for Wireless Sensor Networks" *International Journal of Science and Research (IJSR)* ,Volume 3 Issue 3, March 2014 ISSN (Online): 2319-7064

5. Sathish G.P, B.R.Shyamala Devi, "Power Efficient Data Transmission in a Clustering Protocol with Mobile Sink" *International Journal of Computer & Electronics Research*, Volume 1 Issue 5 February, 2013.

International Conference

1. B.Rajesh Shyamala Devi, A.George and Aby.K.Thomas, "Performance Analysis of an Efficient MAC mechanism for Wireless Sensor Networks" *In Proceedings of International Conference on Advanced Technologies in Engineering, Management and Sciences (ICATEMS'17)* , pp.no (443-448),November 14-15,2017.
2. B.Rajesh Shyamala Devi,Dr.A.George and Dr.S.K.Srivatsa "State-of-art and Performance Analysis of RF MAC protocol for Energy Harvesting Wireless Sensor Networks" *In Proceedings of International Conference on Innovations in information, Embedded and Communication Systems (ICIIECS)*, pp.no (304-308),2016.
3. B.Rajesh Shyamala Devi,Dr.A.George and Dr.S.K.Srivatsa, "*A Survey of Energy Efficient MAC Protocol for Wireless Sensor Networks*" IEEE Sponsored 9th International Conference on Intelligent Systems and Control(ISCO),2015.
4. R.Kamalakkannan and B.R.Shyamala Devi "An Intelligent Hybrid MAC with Traffic-Differentiation-Based QoS for Wireless Sensor Networks" 5th International Conference on Science and Innovative Engineering ICSIE April 2015,
5. M.Chakravarthy and B.R.Shyamala Devi, "*Automated and enhanced multisensor arrangement in broad gauge railway system*" International Conference on Trends in Technology for Convergence"TITCON-2014.
6. Lavanya, B.R.Shyamala Devi and P.Pandiaraj, "*Improving the Performance of TCP over Wireless Networks*" International Conference on Computational Intelligence & Advanced Manufacturing Research,ICCIAMR 2013.
7. Madala Vandana and B.R.Shyamala Devi, "*Energy Efficient PCS-MAC Protocol Designed For Wireless Sensor Networks*" International Conference on Advances in Computers, Communication and Management", ICCM-2013.
8. Z. Nizam Ahmed and B.R.Shyamala Devi, "*An efficient Hybrid channel assignment protocol for multi-interface wireless mesh network*" In the proceedings of the International Conference on Modeling, Optimization and Computing (ICMOC 2012), Vol. 1, pp.395-402, Apr. 10-11, 2012.
9. D.Sathish and B.R.Shyamala Devi, "*Efficient Resource Sharing In Dynamic Clustering Protocol*,"In the proceedings of the International Conference on Modeling, Optimization and Computing (ICMOC 2012), Vol. 1, pp. 384-394, Apr. 10-11, 2012.
10. Jeena A Thankachan, Shyamala Devi B. R, "*Performance Evaluation of A QoS MAC Protocol in Wireless Sensor Networks*" Annual International Conference on Emerging Research Areas, 2011.
11. J.V.Anand, B.R.Shyamala Devi, "*Cross Layer Optimization Using Innovative Techniques of HMAC and Windows Supervisor*" International Conference on Communication and Signal Processing" Mar 2011.