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Academic Qualification

S.No	Name of Degree	University	Year of completion	Percentage/CGPA	Area of Specialization
1.	B.Tech	JNTU	2004	First Class with Distinction (74.38%)	ECE
2.	M.Tech	JNTU	2009	First Class with Distinction (86.9%)	Digital Systems and Computer Electronics
3.	Ph.D	JNTU	2018		Wireless Sensor Networks

Experience

S.No	Designation	Organization	Period served from	Period served to	Place of work
1.	Assistant Professor	SNIST	June, 2004	January, 2010	Hyderabad
2.	Associate Professor	SNIST	February,2010	August, 2013	Hyderabad
3.	Assistant Professor	UCE, OU	September, 2013	Till date	Hyderabad

Publications

National conference publications

1 Sandhya Rachamalla and Anitha Sheela Kancharla " Efficient broadcasting using Network Coding in Ad hoc Wireless Networks", National Conference on RF Wireless

Communication and Signal Processing (NCRFWCSP 2014), Nov 17-18, Bapatla Engineering College, Bapatla, A.P.

International Conference Publications

1 Sandhya Rachamalla and Anitha Sheela Kancharla, "Power-control Delay-aware Routing and MAC protocol for Wireless Sensor Networks", *Proceedings of 2015, IEEE 12ᵗʰ International Conference on Networking, Sensing and Control, Taipei, Taiwan,* April 9-11, 2015, pp 527-532.

2 Sandhya Rachamalla and Anitha Sheela Kancharla, "Adaptive Routing mechanism for Real-time Wireless Sensor Networks based on Two-hop information", *Proceedings of ICICCD-2016(International Conference on Intelligent Communications, Control and Devices-2016),*UPES, India, April 2-3, 2016, pp 4

Journal Publications

1. Sandhya Rachamalla and Anitha Sheela Kancharla, "Adaptive Routing Protocol with Power- Control mechanism for Wireless Sensor Networks", *IJCSNS (International Journal of Computer Science and Network Security),*Vol 15, Issue 2, Feb 2015, pp 38-45.

2. Sandhya Rachamalla and Anitha Sheela Kancharla, "Energy-Efficient Adaptive Routing Mechanism for Real-Time Wireless Sensor Networks", *Elixir International Journal of Electrical Engineering,* Vol 9 Issue 1, Feb 2016,pp 38142- 38147.

3. Sandhya Rachamalla and Anitha Sheela Kancharla, "Adaptive Routing mechanism for Real-time Wireless Sensor Networks based on Two-hop information", *Advs in Intelligent Syst., Computing,*(AISC),Vol. 479, Rajesh Singh and Sushabhan Choudhury (Eds): *Proceeding of International Conference on Intelligent Communication, Control and Devices* , ISSN 978-981-10-1707-0, 393445_1_En, (7).

4. Sandhya Rachamalla and Anitha Sheela Kancharla, "A two-hop based adaptive routing protocol for real-time wireless sensor networks", Journal: SpringerPlus DOI: 10.1186/s40064-016-2791-3, Vol 5(1) ,pp 1-12