Dr.Chaganti B N Lakshmi
B.TECH, M.TECH, PhD
Professor ,
MISTE, MIETE
Computer Science & Engineering

Areas of Interest:
1. Distributed computing
2. Mobile Adhoc Networks
3. Databases

- **Educational & Professional**

   Academic Qualifications
   - Ph.d (CSE) from Rayalaseema University, Kurnool.

   - M.Tech Computer Science from College of Engineering, JNTUH, Hyderabad.

   - B.Tech in Computer Science and Information Technology from Sri Saradhi Institute of Engineering and Technology, Nuzvid, affiliated to JNTUH, Hyderabad.

   Professional Experience

   - Professor, CSE Department & HOD I/c CSE&IT in Mahaveer Institute of Science and Technology, Bandlaguda, Kesavagiri. (Mar'2007 –Nov'2017)
   - Associate Professor, CSE Department & HOD I/c IT in Mahaveer Institute of Science and Technology, Bandlaguda, Kesavagiri. (Nov'2007 – Mar'2017)
   - Assistant Professor in CSIT Department in BhojiReddy Engineering College for women, I S sadan, Hyderabad. (Jun 2007- Nov 2007)

   - Assistant Professor in CSIT Department in Tirumala Engineering College, Bogaram (v), Keesara (M),Hyderabad. Ratified by JNTUH in 2006 as assistant professor. (Jun 2007- Nov 2007)

   - **Books**

   - published a chapter (Ch.No11), "Layout of Research Report/PhD Thesis" in the text book entitled "Research Methodology for Faculty" with ISBN No. 978-93-85000-90-4.
          Web Link : http://www.cegr.in/Research-Methodology-for-Faculty-Book.php

   - **Publications:**

   International Journals: 12
   National conferences: 5
   International conferences: 1

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "Ant Based Self-healing Routing for Enhancing Lifetime of Wireless Sensor Networks" , International Journal of Networking and Virtual Organisations (Scopus indexed, Inderscience Publishers) **ISSN(online)** 1741-5225 **ISSN (print)** 1470-9503 Vol 18 No 4 pp.265-278, 2018. DOI: https://dx.doi.org/10.1504/IJNVO.2018.093648

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "Failure detection and recovery in self healing WSN", International Journal of Communication Networks and Distributed Systems (Scopus indexed, Inderscience Publishers)**,** Vol 21, No.4, PP.445-456, ISSN**(online)** 1754-3924 ISSN (print**)** 1754-3916, 2018. DOI: http://dx.doi.org/10.1504/IJCNDS.2018.095366

- Chaganti B N Lakshmi, Dr.S.K.Mohan Rao "Energy and Hop count aware Ant based Routing for Wireless Sensor Networks". International Journal of Advanced Research in Computer and Communication Engineering(IJARCCE) Vol.6, issue 1, pp.14-17,. ISSN (Online) 2278-1021 ISSN (Print) 2319 5940. January 2017

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "IMPROVING LIFETIME OF WIRELESS SENSOR NETWORKS USING BIO INSPIRED META HEURISTICS" International Journal of Engineering Science and Technology (IJEST) ISSN : 0975-5462 Vol. 9 No.05 May 2017 .

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- Chaganti B N Lakshmi, Dr.S.K.Mohan Rao "An efficient Routing Protocol:ACORP for Wireless Sensor Networks". International Journal of Computer Trends and Technology (IJCTT) Vol.41, issue.3, pp.119-125,. ISSN(Online) :2231-2803. ISSN (Print): 2348 – 8387, November 2016

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "Routing layer design issues and protocols for wired and wireless networks ", International Journal of computer Science and Technology, Vol.7, Issue(1), pp. - 9-13 , ISSN : 0976-8491 (Online) , 2229-4333 (Print) Mar'2016

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "A review on Fault detection and tolerance in Wireless Sensor Networks ", International Journal of Electronics Communication and Computer Engineering, Volume 6, Issue (5), PP.52-55, ISSN 2249–071X , Sept'2015.

- K.Swetha and Chaganti B N Lakshmi, "A Recovery Algorithm to Debug Fault Nodes in a Wireless Sensor Network", International Journal & Magazine of Engineering, Technology, Management and Research, ISSN No: 2348-4845, Volume No: 2, Issue No: 3 (March) , pp.159-166, 2015.

- Bhaskarla Sandya Rani, and Chaganti B N Lakshmi, "Energy Aware Priority Packet Scheduling For Wireless Sensor Network", International Journal of Research in Computer Science & Engineering, Vol–4, Issue-5, pp.1418-1427ISSN: 2321 -5585 (Online) 2321 -0338 (Print), , Oct' 2014

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "A survey on efficient routing techniques for improving wireless sensor network lifetime", in proceedings of National Conference on Emerging trends in science, technology & management, pp.no.97-101, ISBN.No 9789383038206 , Aug' 2014 .

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IEEE digital Explorer, ISBN No.978-1-4799-6265-5, DOI.10.1109/CNT.2014.7062740, pp.134-138, Dec '2014

- Chaganti B N Lakshmi and Dr.S.K.Mohanrao, "An idea based on Swarm Intelligence for Wireless Sensor Network communication", in proceedings of National Conference on Recent Research Advancements in Information Technology",(NCRRAIT2014), PP.40-44 , ISBN No.978-93-82163-73-2, Sep' 2014.

- Monica Yaddanapudi and Chaganti B N Lakshmi, "Maximize the network lifetime with minimizing data gathering delay in Wireless Sensor Network", International Journal of Research in Computer Science & Engineering, Vol–4, Issue-5, pp.1376-1381 , ISSN: 2321 -5585 (Online) 2321 -0338 (Print), Oct' 2014.

- Kattuboyina Suneel, J. Uma Sankara Rao, Chaganti B N Lakshmi, and B.M. Kusuma Kumari, "A localization algorithm in Multihop Wireless Sensor Networks", In proceedings of National conference on Recent Research Advancements in Information Technology",(NCRRAIT2014), PP.21-25, ISBN No.978-93-82163-73-2, 2014

- Ramadugu Naga Chandana, J.Uma Shankar Rao, Chaganti B N Lakshmi and B.Alekhya, "Enhancing Network lifetime using efficient carrier sensing scheme-CSMA/SDF", In proceedings of National conference on Recent Research Advancements in Information Technology",(NCRRAIT2014), PP.1-6, ISBN No.978-93-82163-73-2, 2014

- Chaganti B N Lakshmi and Dr.S.K.Mohan rao, "Wireless Sensor Networks – A Survey on Flat & Hierarchical Routing   Protocols", Journal of Innovation in Computer Science and Engineering Vol.2 , No.2 , ISSN No. 2278-0947 , pp.23-26, jun'2013

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