K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

Faculty Name	Dr. Chanda V Reddy
Designation	Professor
Educational Qualification	PhD
Experience in Years	Teaching: 20yrs (after M.Tech) Industry : nil
Areas of Interest	**Wireless communication, Fuzzy logic**
E-mail	chandavreddy@ksit.edu.in

Educational Details

Examination/ Degree	College / University	Year of Passing
UG	**BVVSCE Bagalkot / Dharwad university**	**1994**
PG	**PDA Gulbarga / VTU Belgavi**	**2010**
PhD	**VTU Belgavi**	2019

Publications

Journal Publications:

1. "A PROTOTYPE FOR GEOPONICS" **International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 5, Issue 5, May 2016, ISSN2278-909x pp1346 - 1370.**

   http://ijarece.org/wp-content/uploads/2016/05/IJARECE-VOL-5-ISSUE-5-1364-1370.pdf

2. **"Algorithm for SNR Estimation and Signal Power Variation Of Wireless Channel" Published in IJCRD Journal January 2014; Volume: 2; Issue: 1: Edition with Effect from 20th February, 2014; eISSN: 2321-225X; pISSN: 2321-2241.**

   http://www.ijcrd.com/files/vol_2_issue_1/411.pdf

3. "Estimation of SNR, MSE and BER with incremental variation of Power for Wireless channel" **Published in IJERT Journal July 2014;** Volume: 3; Issue: 07**; Edition with Effect from 20th July, 2014; Pages 144-145.**

   http://www.ijert.org/view-pdf/10445/estimation-of-snr-mse-and-ber-with-incremental-variation-of-power-for-wireless-channel

4. "Leveraging Communication Performance for OFDMA using Novel Bit Loading and Allocation of Power" march 2016

    http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7566409

5. "Insights of Bit-Loading Algrorithms for Effective Resource Allocation in Wireless Networks" International Journal of Scientific & Engineering Research Volume 8, Issue 6, June-2017 1 ISSN 2229-5518

    https://www.ijser.org/onlineResearchPaperViewer.aspx?Insights-of-Bit-Loading-Algrorithms-for-Effective-Resource-Allocation-in-Wireless-Networks.pdf

6. "Novel Framework for Enhancing Communication Performance Quality in 5G Networks" Published in International Journal of Engineering and Technology (IJET) Jun-Jul 2017, Volume 9 No 3 ; ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024,pages1682-1694

    http://www.enggjournals.com/ijet/docs/IJET17-09-03-051.pdf

    Impact Factor IBI Factor for "International Journal on Emerging Technologies" (IJET)(ISSN NO. Print: 0975-8364, Online: 2249-3255) is 3.1.

7. "Relaxed Greedy-Based Approach for Enhancing of Resource Allocation for Future Cellular Network" CSOC 2018: Cybernetics and Algorithms in Intelligent Systems, pp 364-373, 17 May 2018

    https://link.springer.com/chapter/10.1007/978-3-319-91192-2_36#citeas

8. "BRIDGE MONITORING SYSTEM" Journal of Emerging Technologies and Innovative Research (JETIR) May 2019, Volume 6, Issue 5 ISSN-2349-5162 pp147-151

    http://www.jetir.org/papers/JETIR1905I22.pdf

9. "Cost-Effective Spectrum Utilization for Futuristic Cognitive Radio based Services" Published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) February 2020, ISSN: 2278-3075, Volume-9 Issue-4, Page 2476 – 2480

    https://www.ijitee.org/wp-content/uploads/papers/v9i4/D1616029420.pdf

10. "EVOLUTION AND APPLICATIONS OF RADAR" Published in International Research Journal of Engineering and Technology (IRJET) April 2020, Volume: 07 Issue: 04, e-ISSN: 2395-0056, p-ISSN: 2395-0072, page – 2142 to 2146

    https://www.irjet.net/archives/V7/i4/IRJET-V7I4409.pdf

11. "SMART BRIDGE" Published in International Research Journal of Engineering and Technology (IRJET) April 2020, Volume: 07 Issue: 04, e-ISSN: 2395-0056, p-ISSN: 2395-0072, page – 3192 to 3196

    https://www.irjet.net/archives/V7/i4/IRJET-V7I4612.pdf

12. "An Optimum filter to suppress the noise in Abdominal CT images" International Journal for Research in Engineering Application & Management (IJREAM) Jan 2021, Volume 6, Issue 10 ISSN-2454-9510 pp136-141 doi 10.35291/2454-9150.2021.0021

    http://ijream.org/papers/IJREAMV06I1070042.pdf

13. "IOT based Ambulatory bag mechanical ventilator" International Journal of Innovative Research in

Electrical , Electronics, Instrumentation and Control Engineering (IJIREEIC) Volume 9, Issue 1, January 2021 ISSN (Online) 2321-2004 ISSN (Print) 2321-5526 Impact Factor 6.581,DOI 10.17148/IJIREEICE.2021.9105 Page 32-37

https://ijireeice.com/wp-content/uploads/2021/02/IJIREEICE.2021.9105.pdf

DOI link: https://ijireeice.com/issues/volume-9-issue-1-january-2021/

https://ijireeice.com/papers/iot-based-ambulatory-bag-mechanical-ventilator/

14. **"A Review on Media Forensics using Image Processing Techniques and Deep learning Tools" International Journal of Innovative Research in Electrical , Electronics, Instrumentation and Control Engineering (IJIREEIC) Volume 9, Issue 1, January 2021 ISSN (Online) 2321-2004 ISSN (Print) 2321-5526 Impact Factor 6.581, Page 45-49**

https://ijireeice.com/wp-content/uploads/2021/02/IJIREEICE.2021.9107.pdf

15. **"VIDEO QUALITY IMPROVEMENT IN 5G USING FUZZY LOGIC" International Research Journal of Engineering and Technology (IRJET), Volume 8 Issue 2, February 2021, eISSN-2395-0056, pISSN-2395-0072, Impact Factor 7.529, pp178 – 181.**

https://www.irjet.net/archives/V8/i2/IRJET-V8I233.pdf

16. **"DETECTION OF REAL AND FAKE IMAGE USING DEEP LEARNING ALGORITHM" International Research Journal of Modernization in Engineering Technology and Science, Volume:03, Issue:07, July-2021, Impact Factor- 5.354, Page:367 – 371.**

https://irjmets.com/rootaccess/forms/uploads/IRJMETS341188.pdf

17. **"Agro Bot" International Advanced Research Journal in Science, Engineering and Technology, Volume 8, Issue 8, August 2021, Impact Factor 6.612, Indexed in Microsoft Academic, Google Scholar, Index Copernicus, NAAS Accredited Science Journal Thomson Reuters ID I-8645-2017, DOI: 10.17148/IARJSET.2021.8879**

https://iarjset.com/wp-content/uploads/2021/08/IARJSET.2021.8879.pdf

Conference Papers :

1. **Chanda V Reddy, P.N Sudha, K. Senthi Babu, Dr U.Eranna *"Proposed method to Overcome Nearfar Effect in CDMA Technology using Fuzzy logic"* at National Conference on Communication Networks and Security, 17th -18th May -2010, pp. 189-194.**

2. **Chanda V Reddy, P.N Sudha, Sunil Kumar G R, Dr U.Eranna *"Proposed method for effective Source & Channel coding for Communication system in CDMA technology using Fuzzy logic"* International Conference on Mobile Internet devices ICMID-2010 17th to 18th Dec-2010**

3. **Chanda V Reddy, P N Sudha Dr. Padmaja K. V. *"Proposed Bit Loading Algorithms to Improve***

Throughput" presented in **national conference** conducted by Telecommunication Dept RVCE on 17th - 18th May 2011

4. **Manju V C ,Chanda V Reddy.** *"A Major Security Isssue in Wireless sensor Network: Denial of Sleep Attack"* presented in third **national conference** on ETCET ' 12 held on 23rd March 2012

5. **Chanda V Reddy, Dr. Padmaja K. V.** *"Leveraging Communication Performance for OFDMA using Novel Bit Loading and Allocation of Power"* presented at the IEEE **international conference** ON Wireless Communications, Signal Processing and Networking (WiSPNET) 2016 at SSN College of Engineering Madras

6. **Chanda V Reddy, Dr. Padmaja K. V.** *"Relaxed Greedy-Based Approach for Enhancing of Resource Allocation for Future Cellular Network"* CSOC2018 2018: Cybernetics and Algorithms in Intelligent Systems, pp 364-373, 17 May 2018

Awards

1. **Won Best Paper award for presenting paper in National conference at RVCE** Chanda V Reddy, P.N Sudha, K. Senthi Babu, Dr U.Eranna *"Proposed method to Overcome Nearfar Effect in CDMA Technology using Fuzzy logic"* at National Conference on Communication Networks and Security, 17th -18th May -2010, pp. 189-194.

Professional Membership

1. ISTE   : LM40470

2. IETE   : ML- 500506

3. IEI   : M-1584299

4. IEEE   : 93149873

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