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Faculty Name	Dr. Chanda V. Reddy	
Designation	Professor and Head	
Educational Qualification	PhD	
Experience in Years	Teaching: 25 yrs (after M.Tech) Industry: Nil	
Areas of Interest	Wireless communication, Fuzzy logic	
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Educational Details

Examination/ Degree	College/ University	Year of Passing
UG	BVVSCE Bagalkot / Dharwad University	1994
PG	PDA Gulbarga / VTU Belgavi	2001
PhD	VTU Belgavi	2019

Publications

Journal Publications:

1. "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 2^{0th} February, 2014; eISSN: 2321-225X; pISSN: 2321-2241.
http://www.ijcrd.com/files/vol_2_issue_1/411.pdf
2. "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>
3. "Leveraging Communication Performance for OFDMA using Novel Bit Loading and Allocation of Power" march 2016
<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7566409>
4. "A PROTOTYPE FOR GEOPONICS" International Journal of Advanced Research in Electronics and Communication Engineering (**IJARECE**) Volume 5, Issue 5, **May 2016**, ISSN 2278-909X pp 1346 -1370.
<http://ijarece.org/wp-content/uploads/2016/05/IJARECE-VOL-5-ISSUE-5-1364-1370.pdf>

5. **“Insights of Bit-Loading Algorithms 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-Algorithms-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
IBIFactorfor“InternationalJournalonEmergingTechnologies”(IJET)(ISSNNO.Print:0975-8364,Online:2249-3255)is3.1.
7. **“Relaxed Greedy-Based Approach for Enhancing of Resource Allocation for Future Cellular Network”**CSOC2018: Cyberneticsand Algorithms in IntelligentSystems,pp 364-373, 17 May 2018
https://link.springer.com/chapter/10.1007/978-3-319-91192-2_36#citeas
8. **“BRIDGEMONITORINGSYSTEM”**JournalofEmergingTechnologiesandInnovativeResearch (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. **“EVOLUTIONANDAPPLICATIONSOF RADAR”**PublishedinInternationalResearchJournal ofEngineering and Technology (IRJET)April 2020,Volume:07Issue:04, e-ISSN: 2395-0056, p-ISSN:2395-0072,page–2142to2146
<https://www.irjet.net/archives/V7/i4/IRJET-V7I4409.pdf>
11. **“SMART BRIDGE”**Published inInternational 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”**InternationalJournal 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) Volume9, Issue1, January 2021 ISSN (Online) 2321-2004 ISSN (Print) 2321-5526 Impact Factor 6.581, DOI 10.17148/IJIREEIC.2021.9105 Page 32-37
<https://ijireeice.com/wp-content/uploads/2021/02/IJIREEIC.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) Volume9, Issue1, 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/IJIREEIC.2021.9107.pdf>
15. **Chanda V Reddy, Hari Priya G B , Harshitha H “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, pp 178 – 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. **“AgroBot”** 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>
18. **“Wildlife Animal Tracking and Monitoring System”** International Advanced Research Journal in Science, Engineering and Technology Vol.9, Issue6, June 2022, Impact Factor 7.105, ISO 3297:2007 Certified DOI: 10.17148/IARJSET.2022.96148
<https://iarjset.com/wp-content/uploads/2022/07/IARJSET.2022.96148.pdf>
19. **“IOT BASED SMART MIRROR”** International Advanced Research Journal in Science, Engineering and Technology Vol. 9, Issue 5, June 2022, Impact Factor 7.105, ISO 3297:2007 Certified DOI: 10.17148/IARJSET.2022.9588

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- 20. Dr.Chanda V Reddy** , Sabarish I J, Samiksha S, Sathvik U M , Swagath Aithal P G5
“**LITERATURE SURVEY ON WOMEN SAFETY DEVICE**” International Advanced Research
Journal in Science, Engineering and Technology Vol. 10, Issue 1, **January 2023** Impact Factor
7.12 DOI: 10.17148/IARJSET.2023.10102

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- 21. Dr. Chanda V Reddy** , Mahadev A C , Nelbin N , Niranjan S Rao , Rishi Kumar S
“**INTELLIGENT GLOBAL HELATH CARE MEDIBOX**” International Advanced Research
Journal in Science, Engineering and Technology Vol. 10, Issue 1, **January 2023** Impact Factor
7.12 DOI: 10.17148/IARJSET.2023.10108

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- 22. SachinNM, Sandeep YH, Ujjwal Naidu, VinayS P, Dr. Chanda V Reddy** “**Liner Follower
Robotwith Obstacal Detection**”International Advanced Research Journal in Science,
Engineering and Technology Vol. 10, Issue 6, June 2023, Peer-reviewed / Refereed journal, Impact
Factor 8.066, ISO 3297:2007 Certified

DOI:10.17148/IARJSET.2023.10670

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- 23. Gagan HC1 , Jayanth H , Harshith Gowda AR , Dhruva Kumar S , Chanda V Reddy** “**Wireless
Notice Board Using Bluetooth HC-05 and Arduino Uno-R3**” International Advanced Research
Journal in Science, Engineering and Technology Vol. 10, Issue 6, June 2023, Peer-reviewed /
Refereed journal, Impact Factor 8.066, ISO 3297:2007 Certified

DOI:10.17148/IARJSET.2023.10683

[https://iarjset.com/papers/wireless-notice-board-using-bluetooth-hc-05-and-arduino-
uno-r3/](https://iarjset.com/papers/wireless-notice-board-using-bluetooth-hc-05-and-arduino-uno-r3/)

<https://iarjset.com/wp-content/uploads/2023/06/IARJSET.2023.10683.pdf>

- 24. Jayanthi Muthuswamy, Chanda Verabadra Reddy, Rekha Narayanaswamy** “**Reinforcing
optimization enabled interactive approach for liver tumor extraction in computed
tomography images**”International Journal of Electrical and Computer Engineering (IJECE) Vol.
13, No. 4, August 2023, pp. 4076~4086 ISSN: 2088-8708, (**Scopus**)

DOI:10.11591/ijece.v13i4.pp4076-4086

<https://ijece.iaescore.com/index.php/IJECE/article/view/30028/16689>

Conference Papers:

1. Chanda V Reddy, P.N Sudha,K. Senth Babu, Dr U.Eranna *“Proposed method to Overcome Near far Effect in CDMA Technology using Fuzzy logic”*at National Conference on Communication Networks and Security, 17th -18thMay -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 18thDec-2010
3. Chanda V Reddy, P N Sudha Dr. Padmaja K. V. *“Proposed Bit Loading Algorithms to Improve Throughput”* presented innational conference conductedbyTelecommunicationDeptRVCEon17th- 18th May 2011
4. Manju V C ,Chanda V Reddy. *“A Major Security Isssue in Wireless sensor Network: Denial ofSleep 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 inIntelligentSystems, pp 364-373, 17 May 2018
7. “Deep learning-based vehicles tracking in traffic with image processing techniques” – International Conference NOVEMBER 21 2023

Awards

- 1.WonBestPaperawardforpresentingpaperinNationalconferenceatRVCE Chanda VReddy, P.N Sudha,K. Senth Babu, Dr U.Eranna *“Proposed method to Overcome Nearfar EffectinCDMA TechnologyusingFuzzylogic”*atNationalConferenceonCommunicationNetworksand Security,17th-18thMay-2010,pp.189-194.

ProfessionalMembership

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