# Profile

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| Name of the Faculty | Dr.Ravindra Babu Jaladanki | |
| Designation | Assoc. Professor | |
| Department | ECE | |
| Date of Birth | 05-05-1976 | |
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| Education Qualifications | UG | PG | Ph.D | Others |
|---|---|---|---|---|
| | B.E | M.Tech | completed | |

| Work experience | Teaching | Research | | Industry | Others |
|---|---|---|---|---|---|
| | 24 years | 10 years | | --- | ---- |

| Area of Specialization | Wireless communications |
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Courses taught at Under Graduate/ Post Graduate Level: (full course title only)

UG Level:  Electronic Devices & Circuits, Linear Integrated Circuits, Linear & Digital IC Applications Data Communications , Introduction to Matlab , Micro Processors,  Pulse Circuits, Digital Communications, Cellular Communications, Bio Medical Instrumentation, Global Positioning System, Digital image processing, Artificial neural networks, Internet of Things, Engineering Ethics, Data Structures & Algorithms.

PG Level:  Advanced Digital Communications, Wireless Communications and Networks, Software Defined Radio, Modern Wireless Communications.

| Professional Memberships & ID's :  ISTE:  LM 45738, IAENG: LM 192855, MSI: LM857 | | | | | | |
|---|---|---|---|---|---|---|
| Research Publications & Guidance | National Journals | International Journals | National Conferences | International Conferences | Patents | Books / Book chapters |
| | 01 | 25 | 10 | 06 | 01 | 01 |
| | Masters | 04 | -- | 02 | -- | -- |

| Details of Paper Publications (In IEEE Format only Descending order) | Journals: <br><br> 1) J.Ravindrababu,P.Venumadhav,  and  Dr.E.V.Krishna  Rao "Adaptive DS-CDMA  Receiver with code tracking (BPSK) in phase Un-known Environment". International  Journal of Technology and engineering  System, volume 1, number 1, ISSN :0976-269X, January - June 2010,  PP. 5-8 <br> 2) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao "Performance Analysis of Coherent And Non-coherent MMSE Interference  Suppression For DS–CDMA" International Journal of Advanced Engineering Sciences and Technologies Vol No. 8, Issue No. 2,  ISSN:2230-7818, July 2011,PP--238 – 242. <br> 3) J.Ravindrababu  and   Dr.E.V.Krishna Rao " Performance Analysis and comparison  of linear multi user detectors in DS-CDMA system" International Journal of Electronics and Communication Engineering & Technology Vol No. 3,  Issue No. 1,   ISSN: 0976-6464, January - June 2012,  PP--229 – 243. <br> 4) J.Ravindrababu   and    Dr.E.V.Krishna Rao " Performance Analysis and comparison  of spreading codes in linear multi user detectors in DS-CDMA system" world  scientific and engineering academy and society (WSEAS) Transactions on communications Vol No. 11,  Issue No. 11,   ISSN: 2224-2864, November 2012, PP--427 – 436. <br> 5) J.Ravindrababu   and   Dr.E.V.Krishna Rao " Performance comparison  of spreading codes in linear multi user detectors for DS-CDMA system" world scientific and engineering academy and society (WSEAS) Transactions on communications Vol No. 12,  Issue No. 02,   ISSN: 2224-2864, February 2013, PP--52 – 62. <br> 6) J.Ravindrababu   and    Dr.E.V.Krishna Rao "Performance Analysis, improvement and complexity reduction in Multi stage Multi-User Detector with parallel interference cancellation for DS-CDMA System Using odd kasami sequence" world scientific and engineering academy and society (WSEAS) Transactions on communications Vol No. 12,   Issue No.04, ISSN: 2224-2864, April 2013, PP--133 – 142. |
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| | 7) J.Ravindrababu, E.V.Krishna Rao and Y.Raja Rao "Interference cancellation in Multi stage Multi-User Detection in DS-CDMA System Using Hybrid Technique" world scientific and engineering academy and society (WSEAS) Transactions on communications Vol No. 12,  Issue No.09,   ISSN: 2224-2864, September 2013, PP—459 – 467. |
| | 8) J.Ravindrababu, E.V.Krishna Rao, M.Sivani Reddy, Y.Raja Rao. "Performance Improvement and Complexity Reduction in MC-CDMA System using Coding Techniques" Vol No. 10, Issue No.10,  ISSN: 2320-9569, October 2014, PP--145–150. |
| | 9) J.Ravindrababu, E.V.Krishna Rao, Y.Raja Rao "Interference and complexity reduction in multi stage multi-user detection" world scientific and engineering academy and society (WSEAS) Transactions on communications Vol No.13, ISSN: 2224-2864, 2014, PP-62-70 |
| | 10) J.Ravindrababu, E.V.Krishna Rao, Y.Raja Rao "Interference and complexity reduction in multi stage multi-user detection" **Springer**: Wireless Personal Communications Vol No. 79, Issue No.02,  ISSN: 0929-6212, November 2014,  PP--1385–1400.. |
| | 11) J.Ravindrababu, E.V.Krishna Rao, B.Ramakrishna   "PAPR Performance comparison with Sub Carrier Mapping Techniques in LTE systems" International Journal of Transactions on Engineering and Sciences Vol.3, Issue 5,  ISSN: 2347-1964, July-September 2015, PP--24-27. |
| | 12) J.Ravindrababu, D.Swathi, P.SameerKhan "Analysis of Margin Adaptive Resource Allocation inMIMO Systems" International Journal of Wireless Communications Vol.9, Issue 6,  ISSN: 0974-9756, July 2017, PP--119-122. |
| | 13) J.Ravindrababu, E.V.Krishna Rao Rao "Performance improvement in Multistage Multiuser DS-CDMA system over Rayleigh fading channel" International Journal of Communications ISSN 2367-8887, Vol 2, 2017, PP-- 68-75. |
| | 14) J.Ravindrababu, E.V.Krishna Rao "Performance improvement in DS-CDMA system with Blind Detector" International Journal for Research in Engineering Application & Management Special Issue ISSN : 2454-9150 March 2018.. |
| | 15) J.Ravindrababu, N.Niharika, E.V.Krishna Rao " A Multi User based Joint Bit Error Rate improvements in PDMA" International Journal of Recent Technology and Engineering (IJRTE),ISSNI: 2277-3878, Vol: 8,Issue: 4, 2019, PP--11043-11048. |
| | 16) J.Ravindrababu, E.V.Krishna Rao "Interference Reduction in fading environment using Multistage Multiuser Detection Techniques" world scientific and engineering academy and society (WSEAS) Transactions on signal processing Vol No. 15, ISSN: 2224-3488, 2019, PP--39 – 46. |
| | 17) J.Ravindrababu and T. Balaji "Performance Improvement and Complexity Reduction In Multiuser Detection Using Partial Pre-Coding Techniques" International Journal of Innovations In Engineering Research And Technology. ISSN: 2394-3696, Issue: 12, 2020, PP.7-12. |

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| | 18) J.Ravindrababu et.al, "Implementation of a Cost Efficient Passive Keyless Entry Device for the Communication Protocol" Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, July 2021, PP--1891- 1909. |
| | 19) Dr. P.Venu Madhav, Mr. T. Balaji , Dr. J. Ravindra Babu "An Adaptive Controller for the Specially Challenged" International Journal of Food and Nutritional Sciences, Volume 11, Issue 2, ISSN:2320-7876, April-June 2022, PP 59-65.,. |
| | 20) Mr. T. Balaji1, Dr. P.Venu Madhav, Dr. J. Ravindra Babu." A Novel Predictive Machine Learning Approach in Agricultural Field Monitoring" International Journal of Food and Nutritional Sciences, Volume 11, Issue 3, ISSN:2320-7876, May 2022, PP 80-86, |
| | 21) Dr. J. Ravindra Babu, T. Balaji et.al "EXPERIMENTAL INVESTIGATIONS TO FACE RECOGNITION USING OPENCV FOR MONITORING TURNOUT TIME" Journal of Theoretical and Applied Information Technology, Vol:101, Issue:11, ISSN: 1817-3195, June 2023, PP4141-4153. |
| | 22) Dr Md. Habibulla, Dr. J. Ravindra Babu et.al "EMPIRICAL INVESTIGATIONS TO SENTIMENT ANALYSIS OF MOVIE REVIEWS USING LSTM" Journal of Theoretical and Applied Information Technology, Vol:101, Issue:11, ISSN: 1817-3195, June 2023, PP4184-4193 |
| | 23) Dr. J. Ravindra Babu, Bhargavi Peddi Reddy et.al "CURRENT CHALLENGES AND FUTURE DIRECTIONS IN ARTIFICIAL INTELLIGENCE FOR IMAGING INFORMATICS" Journal of Theoretical and Applied Information Technology, Vol:101, Issue:21, ISSN: 1817-3195, Nov 2023, PP6801-6809. |
| | 24) J. RAVINDRABABU , DASI SWATHI et. al, "Analysis of Multiuser Detectors and Performance improvement in DSCDMA system using Multistage Multiuser Detection Techniques" WSEAS TRANSACTIONS on ELECTRONICS, Volume 15, E-ISSN: 2415-1513, 2024, PP 1-10. |
| | 25) J Ravindra Babu, V Venkataiah "Analyzing the effectiveness of ML and DL in Combbating personal condition misinformationon social media" IAENG international journal of computer science, Vol.52, Issue.01, January 2025, PP: 258-267. |
| | 26) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao "Low Complexity Multi-user detection in DS-CDMA Using DFE ". i-manager's Journal on Electronics Engineering (JELE) Vol.1,No.3 March – May'2011, ISSN :2229-7286, PP--10-13 |
| | 27) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao" BER Performance of Multi-user MC-DS-CDMA Using Spreading Codes In Fading Channels" IEEE Xplore (ICCIC)International Conference on Computational Intelligence and Computing Research Dec15 to 18th 2011 organized by CAPE Institute of Technology, Kanyakumari, India. ISBN: 978-1-61284-693-4, PP-301-304. |

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| | 29) J.Ravindrababu, V.Srilakha, P.Sri Nagini, D.Swathi and E.V.Krishna Rao "Performance improvement in DS-CDMA system with Blind Detector" International Multidisciplinary Conference on Knowledge Sharing, Technological Advancements and sustainable Development, P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada. 30 and 31st march 2018. |
| | 30) J.Ravindrababu et.al, "Performance evaluation of the sequential neural network decoder with improved bit error rate" Materials Today: Proceedings, 2020. |
| | 31) C.Madhusudhana Rao, J.Ravindra Babu, John Pimo S. " A comparative study of NLP based semantic Web Standard model using SPARQL database" international conference ICCS 2021 IEEE Explore |
| | 32) J. Ravindrababu, D. Pallavi, J.V.Ravi Teja " Multistage Multiuser Detection Techniques for Performance analysis and improvement in DS-CDMA system" International Conference on Innovations in Engineering and Technology, JNTUH, 15-17 September 2022.PP. 96 |
| | 33) K.Ramanajaneyulu, K.Divya, J. Ravindrababu, " Pre-coding Techniques for  Performance analysis and improvement in MC-CDMA system" International Conference on Innovations in Engineering and Technology, JNTUH, 15-17 September 2022. PP. 153 |
| | 34) A. Geetha Devi, M.Roja, J. Ravindrababu, " Capacity Enhancement using Resource Allocation Schemes" International Conference on Intelligent Vision and Computing (ICIVC 2022) organized by NIT Agartala, 26-27 November 2022. |
| | 35) J.Ravindrababu, A.Jhansi Rani, M.Padmaja and Dr.E.V.Krishna Rao "Design and Implementation of Multi-drop system", National Conference on Advanced Communication Technologies 29th Feb 2008, Organized by the Department of Electronics & communication Engineering, V.R.Siddhartha Engineering, Vijayawada |
| | 36) J.Ravindrababu, Dr.E.V.Krishna Rao, M.Padmaja and A.Jhansi Rani and "Performance Analysis of Adaptive linear Multi-user detection in CDMA systems", National Symposium on Advanced Communication Technologies 30th  Jan 2009, Organized by the Department of Electronics & communication Engineering, V.R.Siddhartha Engineering, Vijayawada |
| | 37) J.Ravindrababu, P.Venumadhav and Dr.E.V.Krishna Rao "Implementation of Call Processing Using DS-CDMA" National conference on Advances in Recent Trends in communication and Networks (ARTCON 2010), January 15-16,2010,Organized |

|  | by Department of Electronics & Telecommunication Anna saheb dange college of engineering and technology,Ashta |
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38) J.Ravindrababu, P.Venumadhav and Dr.E.V.Krishna Rao "Evaluation of performance in Wide Band CDMA" National conference on Emerging Trends in Electronics & communication Feb 6<sup>th</sup> 2010, Jointly organized by the Department of Electronics & communication Engineering and,Electronics & instrumentation Engineering, St.Ann's college of engineering & technology, Chirala, Andhra Pradesh

39) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao "Evaluate the performance of Adaptive DS-CDMA Receiver for Multiuser Detection" Nationalon Signal Processing and Communication Systems ( NCSPCS -2010), February 25<sup>th</sup> and 26<sup>th</sup> ,2010, O conference rganised by Department of Electronics & communication Engineering, R.V.R & J.C. College of Engineering, Chandramoulipuram, Chowdavaram, Guntur

40) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao "Performance Evaluation of Multi-Carrier DS-CDMA Systems" DRDO Sponsored National Level conference on Wireless Technologies for Urban Security ( NCWTUS -2010), April 9<sup>th</sup> and 10<sup>th</sup> ,2010, Organized by Department of Computer Science & Engineering, Sri Venkateswara college of engineering and technology , Chittoor

41) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao "Estimating the channel impulse response , Activity threshold detection using LMS Algorithm in DS-CDMA" National conference on Signals, Systems and Communication ( NCSSC - 2011), April 29th , 2011, Organized by Department of Electronics & communication Engineering, SKR Engineering College, Agarmel, Poonamallee, Chennai.

42) J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao "BER Performance of BPSK and QAM Techniques for Multiuser Detection in DS-CDMA using PDA Algorithm. " National conference on Signal processing, Communications and VLSI Design ( NCSCV -2011), May 6th and 7th , 2011, Organized by Department of Electronics & communication Engineering, Anna University of Technology, Coimbatore, IEEE Madras Section.

43) J.Ravindrababu, K.Supriya, and Dr.E.V.Krishna Rao "Performance Analysis of Adaptive MMSE in DS-CDMA system " National conference on *Wireless Communications & Sensor Networks* Organized By Sensor Network Research Group Department of Electronics & Computer Engineering at KLU, March 7<sup>th</sup> & 8<sup>th</sup> 2014.

44) J.Ravindrababu, E.V.Krishna Rao, K. Anitha Pravalli "Performance improvement in DS-CDMA system using Adaptive MMSE" National Convention Proceedings Recent Adavances in Microwaves Antennas and Communications organized by Institute of Engineers , Vijayawada 01.07.2006 & 02.07.2016.

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| Details of Patents Published / Granted | IOT BASED WET AND DRY TRASH BIN<br>1.Prasad V Potluri Siddhartha Institute Of Technology<br>2. Dr. J Ravindra Babu 3.Mrs. Swathi Dasi<br>4.A. Maha Siva Parvathi 5.K. Bindu Madhavi<br>6.J.Venkata Ravi Teja 7.Dr.P.Phani Prasanthi<br><br>Design No. : 385496-001<br>Date : 03/05/2023 |
| Details of Certification Courses / Workshops / STTP's / FDP (participated / organized) | 1. Programming for Everybody (Getting Started with Python): School of Information University of Michigan<br>2. Wireless communications for everybody: Yonsei University<br>3. Smart Device & Mobile Emerging Technologies: Yonsei University<br>4. IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies: Yonsei University<br>5. Induction Training: NITTR, Kolkata<br>6. IoT Master Class: APSSDC Skill Development Program, Andhra Pradesh |
| Details of Projects Applied / Awarded | ----- |
| Any Other information | ------ |

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