Name of Faculty	Dr.D.Krishna Reddy
Designation	Professor
Nature of Job/Appointment	Regular
Date of Joining	5-07-2001
E-mail	dkrishnareddy_ece@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (ECE)	Awarded
PG	M.E (Microwave and Radar Engineering)	First
UG	B.E (Electronics & Communication Engg.)	Distinction

Work Experience	
Teaching	28 Years
Research	6 years
Industry	1 year
Others	-

Area of Specialization	Navigation & Communication

Professional Memberships
1. IEEE Membership # No: 90721029.
2. ISTE: Membership # LM 2215.
3. SOEMCEI: Membership # LM 496.
4. IETE Fellow Member #F165581.
5. Advisor IEEE SPSSPC # SBC31231B
6. MIE Institution of Engineers (India) # M-1765536

Responsibilities held at Institution Level

1. Head of the ECE Department 22.10.2018 to till date
2. Member IQAC since 23rd March 2017 to till date.
3. Member in academic audit committee and audited the Mechanicalengineering dept. on 30.03.2017
4. Nodal Officer for NIRF of MHRD from Oct 2016
5. Member- Committee for renewal of NAAC accreditation since April2015 till date.
6. Purchase committee member IETE, Hyderabad centre (2014).
7. Member Grievance, Redressal Cell, CBIT (2014).
8. Member, PG Accreditation committee, Communication EnggProgramme, CBIT (2013)
9. Member, Planning Committee for DST sponsored SERC School Vorganised at NERTU, OU (2012)
10. Member, R&D Committee, CBIT (2009)
11. Member Anti Ranging Committee (2008 to till date)
12. Adviser and Counselor , PG & UG courses, CBIT (2008 – 2009)
13. Member, Planning Committee for DST sponsored SERC SchoolIV organised at NERTU, OU (2008)
14. Member, Institute industry interaction programme, 2008.
15. Observer, DST sponsored 3rd SERC school, organised at NERTU, OU (2007)
16. In charge, Intercom Digital EPABX system, CBIT (2003 – 2007)
17. Core committee member – ISO 9001:2000, CBIT
18. Academic development committee member at Sir C.R.R. Collegeof Engineering, ELURU
19. Coordinator for conducting Student Technical Seminars at KLCE, Vijayawada.
20. Member in Academic Development Activity Committee, at Sir CRR College of Engg. in that contest organised one day seminar on ISO 9000
21. Member in Sports and Gardening Committee at Sir CRR Collegeof Engg.
22. Member to organize Janma Bhoomi Programs and Clean and Green activity Organised at Sir CRR College of Engg.

Responsibilities held at Department Level	1. Chairman Board of Studies 22.10.2018 to 21.10.2020 2. Member, Feedback committee 2017. 3. Member, Board of Studies, Dept. of ECE, CBIT (Since 2013). 4. Departmental coordinator - TEQIP Phase-II, CBIT (Since 2012) 5. Course Coordinator for M.E. Communication Engineering, Dept.of ECE, CBIT (Since 2008). 6. Communication Lab In charge since 2001. 7. Head of the Department for six months for Electronic Instrumentation Department in Sir C.R.R. College of Engineering,ELURU. 8. Head of the Department for ECE Department at Vignan Institute ofTechnology and Science, Hyderabad. 9. Lab In-Charge for Communications, Linear Digital IntegratedCircuits and MW lab Laboratories. 10. PG NBA Cordinator 11. Member DRC 12. Member DAB 13. Member, Performance Assessment Committee 14. Member, Course Expert Group
Research Guidance	Ph. D: 08(Awarded), 02(submitted) and 06(Pursuing)
Awards Received	1. Received Best Teacher Award for the Contribution in Research area on Teachers day 2022 2. Best Teacher Award from CBIT 2018.
Courses Handled at Under Graduate / Post Graduate Level.	Signal and System, Microprocessor and Microcontrollers, Satellite Communication, Digital Signal Processors, Analog Communications, Digital Communications, Antenna and Wave Propagation Electronics and Measurements, Probability and Random Process Radio Navigational Waves, Global Position Systems, Wireless Mobile Communications, Optical Fib recommunication, Electro Magnetic Theory and Transmission Lines, Network Theory, Radar Systems, Microwave Communications, Electronic Devices and Circuits.
No. of Papers Published	National Journals – 04 International Journals –56 + 5 Book chapters National Conference – 18 International Conference – 64
Projects Carried out	1. Principal Investigator ; Name of the Sponsoring Agency : DST Project Title: Data Processing Techniques to Improve Real-Time Performance of GNSS Systems Amount Sanctioned: Rs. 9.404 Lakhs File No.: File No. SR/S4/AS: 89/2012, dated: 25th Sep. 2012; Duration: 2 years 2. CO- Principal Investigator, Name of the Sponsoring Agency :RCI, DRDO (under CARS Programme) Project Title: Performance evaluation of IRNSS in the context of position and velocity Amount Sanctioned: Rs. 15 Lakhs; File No.: Ref. No. RCI/DCMM /LP1/CARS/0336 dated 02/02/2015 RCI, DRDO, Hyderabad. Duration: 2 Year and 6 months 3. CO- Principal Investigator, Name of the Sponsoring Agency: SERB, DST, New Delhi under CRG scheme, A New Model for Short Term Forecasting of Scintillations using Machine Learning Approach and Generation of Regional Scintillation Maps CRG/2021/001660/ (2022-25)3 Years, Rs.37.0436 L 4. Principal Investigator ; Name of the Sponsoring Agency: AICTE grant under RPS Scheme, Analysis and Mitigation of Doppler Collision events using ML algorithms for NavIC System 8-34/ FDC/RPS/POLICY-1/2021-22/(2022-25)/ 3 Years, Rs. 19.6133L 5. CO- Principal Investigator, Name of the Sponsoring Agency: MeitY CPS, The Design, Fabrication and Development of Silicon Proven IP Core for High Resolution ADPLL, 2023-2027 (5 Years), Rs. 191.50L

| Patents | -- |
| Technology Transfer | -- |

Invited Speaker

1. Delivered guest lecture on "Mobile Communication Standards and Channel Characterization for position fixing", Course on "Emerging Trends in Mobile and Cloud Computing" ISTE Sponsored (Vide Ref. no: ISTE/Proceedings/STTP-SF/2014-15, dt:05/12/14) A Two week STTP - Refresher course (RC) under TEQIP-II held during 29th Dec, 2014 to 9th Jan, 2015 at CSE dept., CBIT, Hyderabad

2. Delivered guest lecture on "Advances in Navigation Techniques" on 25th March 2017 in Student technical fest "ISTE IGNIUM 2K17", organized by ISTE chapter of GNITS, Hyderabad.

3. Delivered Invited talk "Radar principles", A two day intensive course on "Electronic Intelligent (ELINT) Systems" jointly organized by department of ECE, CBIT with DLRL, DRDO, Hyderabad held during 12th -13th December 2014,

4. Guest Lecture on Analog communications, Dept., of ECE, Avanthi Institute of Engg. Tech., Hyderabad, on 20.10.2014

5. Delivered Guest Lecture on "Communication Lab techniques" in Three day Laboratory Workshop on "Electronics & Communication Engg," 27th -29th November 2013, Organized by Dept., of ECE, CBIT

6. Delivered Guest Lecture on "GPS and its Augmentation Systems", Two day national seminar on "GPS and its Augmentation Systems – GAGAN for Aircraft Navigation" 22nd -23rd November 2013, Organized by Dept., of ECE, CBIT

7. Delivered Guest Lecture on "Radio Navigational Aids", 5rth SERC School on "GPS applications and Atmospheric constraints" ,13th June to 3rd July 2012, Organized by NERTU, OU, Hyderabad

8. Delivered Guest Lecture on "Basics of GPS", Two day course on "Basics of GPS and its Applications", 23rd -24th Dec. 2010, Organized by IIPC and ISTE chapter of CBIT

9. Delivered Guest Lecture on "Applications of GPS for Mobile Communications", "Three week refresher course on "Integrated Survey with DGPS and Total Station", 08-11-2010 to 29-11-2010, Organized by UGC-Academic Staff College, JNTU Hyderabad

10. Delivered Guest Lecture on "GPS Data Formats", 4rth SERC School on "Atmospheric Effects on GPS and Local Area Augmented System (LAAS)", 17th June to 7th July 2009, Organized by NERTU, OU

11. Delivered Guest Lecture on "Generations of Mobile communications and positioning techniques", AICTE sponsored 6-day workshop on "Latest Trends in Cellular and Mobile Communications", 22nd to 27th June 2009, Organized by GNIT, Hyderabad

12. Delivered Guest Lecture on "GPS Data Formats", Three day intensive course on Global Navigation Satellite Systems (GNSS),

13. 3–5 December 2008, Organized by NERTU, OU, Hyderabad

14. Delivered Guest Lecture on "Demonstrated Hand held ML 250 GPS Receiver and Dual Frequency GPS Receiver", Three day intensive course on "Global Navigation Satellite Systems (GNSS)", 15 – 17 November 2006, Organized by NERTU, OU, Hyderabad

15. Delivered Guest Lecture on "Overview of GPS and GIS", AICTE-ISTE sponsored Short Term Training Program (STTP) on "Remote Sensing and Satellite Image Processing", 28th June to 10th July 2004, Organized by CSE dept., CBIT, Hyderabad

16. Delivered Guest Lecture on "GPS Software Defined Radio", Three day intensive course on "GPS and its Applications", 21st – 23rd January 2004, Organized by NERTU, OU, Hyderabad

17. Delivered Guest Lecture on "Overview of mobile communication", on 08.10.2013, Dept. of ECE Malla Reddy Engineering College, Hyderabad

18. Delivered Guest Lecture on "Analog communications", on 20.09.2013, Dept., of ECE, Avanthi Institute of Engg. Tech.

19. Delivered Guest Lecture on "Fundamentals on GPS", on 18.01.2013, Dept. of ECE, Holy Mary Institute of Technology and Science, Hyderabad

20. Delivered Guest Lecture on "Advanced communications", on

14.09.2012, Vidya Institute Of Technology, Chevella, R.R. Dist., Hyderabad

21. Delivered Guest Lecture on "Various generations of mobile communications", on 27.03.2012, Islamia College of Engineering and Technology for Women

22. Delivered Guest Lecture on "3G Communications", on 02.02.2012, Hyderabad Institute of Technology and Management, Hyderabad

23. Delivered Guest Lecture on "Recent trends in Communications", on 08.09.2011, DBS Institute of Technology, Kavali

24. Delivered Guest Lecture on "Various generations of Mobile Communications", on 08.07.2008, MGIT, Hyderabad

25. Delivered Guest Lecture on "Wireless Communication – GSM/GPRS and GPS", NMEA Protocols, FDP, 2nd- 4th December 2009, MGIT, Hyderabad

26. Delivered a series of expert lecture on "Analysis of Signals and Transforms" at IETE, Hyderabad 2006

27. Demonstrated the operation and working principle of "GPS receiver" to IETE students Hyderabad 2007

28. Delivered a guest lectures on "Communication Principles" at Advanced Training Institute, Hyderabad 2006

29. Demonstrated experiments on GPS for M.E students of ECE dept. of O.U college of Engineering 2006

30. Delivered guest lectures on "Advanced Communications Systems" at Dr. Paul Raj, Engineering College, Bhadrachalam 2000

31. Demonstrated experiments on GPS for M.E students of ECE dept. of College of Engineering OU, Hyderabad

32. Demonstrated the operation and working principle of "ML-252 Handheld GPS receiver" at 1st Science and Engineering Research Council (SERC) school sponsored by DST, organized at NERTU OU, Hyderabad 2004

No. of Books/Chapter Published with details

1. D. Lingamaiah, D. Krishna Reddy and Perumalla Naveen Kumar. "Evaluative Aspects of Wireless Sensor Networks Reliability Model: A Case Study" Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2023, Lecture Notes on Data Engineering and Communications Technologies, Springer, Singapore, vol 171, pp 118-131 https://doi.org/10.1007/978-981-99-1767-9_8. Springer Nature Singapore Pte Ltd. Feb 2023.

2. P. Sathish and D. Krishna Reddy, "Study of IRNSS Receiver Doppler Positioning in Kinematic Conditions", Recent Developments in Engineering Research Vol. 3, Book Publisher International, Print ISBN: 978-81-947979-4-4, eBook ISBN: 978-93-90206-97-1, Chapter 8, pp. 134-145, bp.bookpi.org/index.php/bpi/catalog/book/261, DOI: 10.9734/bpi/rder/v3, September 2020.

3. P. Sathish and D. Krishna Reddy, "Predictive Data Optimization of Doppler Collision Events for NavIC System", Advances in Intelligent Systems and Computing 979, Numerical Optimization in Engineering and Sciences, Select Proceedings of NOIEAS 2019, Springer, Debashis Dutta, NIT Warangal and Biswajit Mahanty IIT Kharagpure, ISSN: 2194—5357, ISSN: 2194—5365 (electronic), http://www.springer.com/series/11156, ISBN: 978-981-15-3214-6, ISBN: 978-981-15- 3215-3 (eBook), https://doi.org/10.1007/978-981-15-3215-3_57, pp 583-589, Springer Nature Singapore Pte Ltd. Feb 2020

4. M Rajendra Prasad, D Krishna Reddy, "An Experimental System Level Performance Analysis of Embedded Systems for GSM Application" Advances in Decision Sciences, Image Processing, Security and Computer Vision. Learning Analytics in Intelligent Systems 4, Springer Cham, http://www.springer.com/series/16172, Vol. 2, PrintISBN: 978-3-030-24317-3 Online ISBN: 978-3-030-24318-0 (eBook), ISSN: 2662-3447, ISSN: 2662-3455 (electronic), DOI https://doi.org/10.1007/978-3-030-24318-0_40, published by the registered company Springer Nature Switzerland AG, pp 327-334 eBook Packages Intelligent Technologies and Robotics, July 2019.

5. Rajendra Prasad M, Krishna Reddy D, "System Level Performance Analysis of Embedded Systems for GSM Applications", Lecture Notes in Electrical Engineering, Chapter 24, Vol 403, DOI 10.1007/978-981-10-2999-8_24, pp 287-302,

ISBN:978-981-10- 2999-8, Springer nature Singapore Pte Ltd. 2017.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended and/or Organized**).		1. One day Inhouse MATLAB training program on Hardware Integration using matlab and Simulink

1. One day Inhouse MATLAB training program on Hardware Integration using matlab and Simulink
2. NRSC sponsored intensive course on Satellite NavigationNRSC, Hyderabad
3. AICTE Sponsored FDP on Real Time Signal ProcessingCBIT, Hyderabad
4. Academic Leadership ProgramShruth & Smith foundation, Bengaluru
5. Mission 10X sponsored Wipro Technologies & ISTE CBIT, Hyderabad
6. 3rd SERC school – Atmospheric effects on GAGAN sponsored by SERC, DST, New DelhiNERTU, OU, Hyderabad
7. New Trends in Active Filters for Improving power quality Sponsored by ISTEISTE, REC, Rourkela.
8. Outcome Based Education & Accreditation,Nodal centre, OU COE,
9. Phase-I & Phase _IITraining centre of NBA, CBIT Supported by TEQIP-II
10. Indian Nuclear Society Annual Conference (INSAC-2011)INS and ECIL, Hyderabad jointly sponsored by DAE and DRDO
11. Entrepreneurship Awareness ProgramOpen Learning Program in Entrepreneurship (OLPE) cell of CBIT, Hyderabad.
12. Design of VLSI Systems and its ApplicationsISS College of Information Technology for Women, Hyd.
13. TEQIP Conclave on "Enhancing Quality of Technical Education and Research"IIT Hyderabad
14. Advanced Numerical Electromagnetic modelling of AntennasNERTU, OU, Hyderabad.
15. Micro Controller, PLC and its applications (AMP-2K4)CBIT, Hyderabad.
16. Smart Antennas for Wireless CommunicationsNERTU, OU, Hyderabad.
17. MATLAB & Simulink for Engineering EducationMathworks India Pvt. Ltd., Hyderabad
18. Three day intensive course on "Global Navigation Satellite Systems (GNSS)"NERTU, OU, Hyderabad
19. Environmental Awareness ProgrammeCBIT, Hyderabad e-Security and Disaster RecoveryIETE, Hyderabad centre. Wireless LANIETE Hyderabad Centre.
20. ISO 9000 WorkshopSir CRR college of Engg., Eluru Managerial CharacteristicsSir CRR College. Of Engg., Eluru.
21. Third Generation Communication SystemsOrillion Communication Group, India, Hyderabad.
22. Entrepreneur Development ProgramKL College Of Engg., Vijayawada.
23. GPS Datum conversion to National EllipsoidsNERTU, OU, Hyderabad.
24. Electronic simulation packagesDynalog Technologies, Hyderabad.
25. GNSS and Mobile PositioningNERTU, OU, Hyderabad.
26. "High frequency design"Agilent Technologies, Hyderabad
27. Spectrum reorganization in Contingent ad hock wireless technologiesNERTU, OU, Hyderabad.
28. Low power signal analysis in VLSI designNERTU, OU, Hyderabad.
29. Electromagnetic 3D simulatorsAgilent Technologies, Hyderabad
30. Timing System of the European GNSS GalileoNERTU, OU, Hyderabad and IEEE Hyderabad Section.

Details of Journal Publications/ Conferences (**National and International**)	

International Journals :

1. P. Jyothi, D Krishna Reddy, P Naveen Kumar. "Design of Light Deep - Learning Model using Convolutional Neural Network for IRIS Biometric System". Material Science and Technology, Harbin Institute of Technology,

DOI: 10.10543/f0299.2023.41781, Vol.22 No.11, Pg No. 165 - 176, November 2023

2.   P. Jyothi, D Krishna Reddy, P Naveen Kumar. "Touchless Biometric Authentication System for Touchscreen Devices to Admittance IoT Application". Organization Development Journal, The Organization Development Institute, Vol.22 No.11, Pg No. 57 - 64, November 2023

3.   P. Sathish, D. Krishna Reddy, V. Lokendra Kumar, A. D. Sarma. "Doppler collision analysis and mitigation using hybrid approach for NavIC system". Aerospace Systems, Springer. DOI: https://doi.org/10.1007/s42401-023-00251-4 published on 20 October 2023.

4.   Aare Gopal, Desireddy Krishnareddy, Srinivasa rao Chintagunta. "Symbol interferometry and companding transform for PAPR reduction of OTFS signal" WILEY, ETRI Journal. 2023, DOI: 10.4218/etrij.2023-0142, , PP. 1–9, 25 September 2023.

5.   D. Lingamaiah, D. Krishna Reddy & P. Naveen Kumar. "Reliability and Lifetime Maximization of Wireless Sensor Networks: Modelling, Evaluation and Validation". Mathematical Statistician and Engineering Applications, vol. 71, Issue 4, pp.10744–10757, ISSN: 2094-0343, https://doi.org/10.17762/msea.v71i4.1983. published on 21 December 2022

6.   P Jyothi, D. Krishna Reddy & P. Naveen Kumar "A Hybrid Classification Approach for Iris Recognition System for Security of Industrial Applications", Journal of Scientific & Industrial Research, (SCIE, SCOPUS and UGC CARE Indexed) Vol. 82, pp. 151-157, DOI: 10.56042/jsir.v82i1.70253, January 2023

7.   Sony, D., Reddy, D.K. & Kumar, P.N. SIS Error Estimation for Fault Detection of IRNSS Using Beeline Method. Int. J. Aeronaut. Space Sci. (2023). https://doi.org/10.1007/s42405-023-00644-x (SCIE, Scopus, Q2 journal.) published on 5 July 2023.

8.   Devalapally, Sony, Desireddy, Krishna Reddy and Perumalla, Naveen Kumar. "Integrity monitoring of NavIC by parsing broadcast ephemeris" Journal of Applied Geodesy, 2023. https://doi.org/10.1515/jag-2023-0026. (Scopus, Q2 journal). published on 12 July 2023.

9.   Kaitha Praveena, Perumalla Naveen Kumar, D. Krishna Reddy, "Ionospheric irregularities measurement using Indian SBAS-GAGAN" Aerospace Systems, Springer online, 19 April 2023, https://doi.org/10.1007/s42401-023-00222-9

10. B. Indira Priyadarshini & D. Krishna Reddy "Modified remora optimization based matching pursuit with density peak clustering for localization of epileptic seizure onset zones" Evolving Systems under exclusive licence to Springer-Verlag GmbH Germany, Springer Nature 2023. https://doi.org/10.1007/s12530-023-09488-y published online on 14 Feb 2023

11. D.Sony, D. Krishna Reddy and P. Naveen Kumar "IRNSS RINEX DATA PROCESSING" Journal of Data Acquisition and processing, Vol. 38 (1) January 2023. ISSN: 1004-9037, https://sjcjycl.cn/, DOI: 10.5281/zenodo.7766229. pp- 5138-5147 (Scopus Q4 journal).

12. P Jyothi1, D Krishna Reddy & P Naveen Kumar, "A Hybrid Classification Approach for Iris Recognition System for Security of Industrial Applications", Journal of Scientific & Industrial Research, Vol. 82, NISPR of CSIR, January 2023, pp. 151-157, DOI: 10.56042/jsir.v82i1.70253

13. Kaitha Praveena, Perumalla Naveen Kumar, D. Krishna Reddy, "Analysis of Ionospheric Scintillations Measurement on NavIC Signals" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958 (Online), Volume-12 Issue-2, DOI: 10.35940/ijeat.B3950.1212222, Published By: Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP), December 2022, pp.132-136

14. D. Lingamaiah, Dr. D. Krishna Reddy, Prof. Perumalla Naveen Kumar, "Reliability and Lifetime Maximization of Wireless Sensor Networks: Modelling, Evaluation and Validation", Mathematical Statistician and Engineering Applications, ISSN: 2094-0343/2326-9865 pp. 10744-10757, Publication Issue: Vol. 71 No. 4 (2022) Publication: 21 December 2022 Vol. 71 No. 4 (2022) http://philstat.org.ph

15. B. Indira Priyadarshini & D. Krishna Reddy "Adaptive octopus deep transfer learning based epileptic seizure classification on field programmable gate arrays, part of Springer Nature 2022 Evolving System 2022, Springer Nature, https://doi.org/10.1007/s12530-022-09474-w Published on 3 December 2022.

16. M. Rajendra Prasad & D. Krishna Reddy, "Light-Weight Clustered Trust Sensing Mechanism for Internet of Things Network", IETE Journal of Research, DOI: https://doi.org/10.1080/03772063.2022.2130449, Published online: 27 Oct 2022.

17. D.Sony, Dr.D.Krishna Reddy and Dr.P.Naveen Kumar, "Implementation of Receiver Autonomous Integrity Algorithm for Fault Detection of IRNSS", Journal of Aerospace Systems (2022) 5: pp.635–642 https://doi.org/10.1007/s42401-022-00161-x / Published online: 13 September 2022. (Scopus Q3 journal)

18. G V Pradeep Kumar D Krishna Reddy, "Hierarchical Cat and Mouse based ensemble extreme learning machine for spectrum sensing data falsification attack detection in cognitive radio network" Elsevier Microprocessor and Microsystems 90 (2022) 104523, https://doi.org/10.1016/j.micpro.2022.10452, pp. 1-15, April 2022.

19. G V Pradeep Kumar D Krishna Reddy, "Revelation and Defense against Overlapping Secondary User Attack using H Infinity Filter in the Cognitive Radio Network", Design Engineering (Toronto), Vol. 2021, Issue no: 7, pp: 8099-8114, July 2021, ISSN: 0011-9342

20. B. Indira Priyadarshini and Dr. D. Krishna Reddy, "Optimized adaptive neuro fuzzy inference system (OANFIS) based EEG signal analysis for seizure recognition on FPGA", Biomedical Signal Processing and Control 66 (2021) 102484, https://doi.org/10.1016/j.bspc.2021.102484, pp.1-15, Feb 2021

21. Rajendra Prasad M, Krishna Reddy D, "LWTSM-IoT: Light Weight Trust Sensing Mechanism for Internet of Things", International Journal of Intelligent Engineering Systems, Vol.14, No.1, 2021, pp 82-92, DoI: 10.22266/ijies2021.0228.09, January 2021

22. B. Indira Priyadarshini and Dr. D. Krishna Reddy, "Design and Implementation of High Speed and Low Power FIR used in EEG Analysis", An International Bilingual Peer Reviewed Refereed Research Journal, UGC Shodh Sarita, Vol. 7, Issue 27(III), pp. 171-176, ISSN – 2348-2397, September 2020.

23. M. Udaya, D. Sony and D. Krishna Reddy, "Design of IRNSS Tracking System using 1.5 Bit ADPLL and Correlator", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Vol. 9, Issue 10, pp.413-420, Published by Blue Eyes Intelligent Engineering and Science Publication, Retrieval no. J75820891020/2020 BEIESP, DoI: 10.35940/ijitee.j7582.0891020, August 2020

24. Kaitha Praveena, Perumalla Naveen Kumar, D.Krishna Reddy, N.Santhosh, "Analysis of Ionospheric Scintillations of NavIC L5 and S -band Signals over Low Latitude Indian Region", International Elsevier Journal of Procedia Computer Science, Science Direct, Published by Elsevier B.V., CC BY-NC-ND License (http://creativecommons.org/licenses/by-nc-nd/4.0/), Vol/Issue 171C, ISSN: 1877-0509, Article refence PROCS 38424, DOI 10.1016/j.procs.2020.04.106, pp 989—998, June 2020

25. K Sudershan Reddy, Md Khaja Rahmatullah, Sameeha Fahmeen, Quddusa Sultana and D. Krishna Reddy "Comparative Analysis of Serial and Parallel Satellite Positioning Algorithms for GPS and NavIC" Springer Nature Journal, Book Chapter No: 47, Print ISBN: 978-981-15-1419-7, eISBN: 978-981-15-1420-3, DOI:10.1007/978-981-15-1420-3_47, ICDSMLA pp: 458-465 May 2020

26. Sana Fathima, Sudarshan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana and D Krishna Reddy, "Estimation and Analysis of Instrumental Biases for GPS and NavIC Satellites and Receivers", International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE) – Scopus Indexed ISSN 2278 – 3091, http://www.warse.org/IJATCSE/ Vol 8, No.1.4, PP 391-394, DOI-10.30534/ijatcse/2019/5981.42019, September 2019

27. Sudarshan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana and D Krishna Reddy, "Augmentation of NavIC with GPS Over Indian Region", International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE) – Scopus Indexed ISSN 2278 – 3091, http://www.warse.org/IJATCSE/, Vol 8, No.1.4, pp. 202-205, DOI 10.30534/ijatcse/2019/3181.42019, September 2019

28. Sathish Pasika and D. Krishna Reddy, "Estimation of Doppler Positioning for NavIC System in Static and Dynamic Conditions" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Published by Blue Eyes Intelligence Engineering & Science publication, Volume-8, Issue-6, pp.2868-2873, August 2019 DOI:10.35940/ijeat. F8788.088619

29. P. Sathish and D. Krishna Reddy "Predictive Data Optimization of Doppler Collision Events for NavIC System", Springer Nature Singapore, Numerical Optimization in Engineering and Sciences, Advances in Intelligent Systems and Computing, Vol. 979, Issue 3, https://doi.org/10.1007/978-981-15-3215-3_57, pp 583-589, August 2019

30. B.Prabhakar D.Krishna Reddy, "Implementation of Efficient Block Based Motion Estimation Algorithm Using Skipping Technique", International Journal of Recent Technology and Engineering (IJRTE), Published by Blue Eyes Intelligence Engineering & Science publication, Vol.8, Issue-1, ISSN: 2277-3878, pp.1941-1945, Retrieval A3013058119/19, May 2019

31. B. Indira Priyadarshini and Dr. D. Krishna Reddy, "A Survey On EEG Analysis Using Different Methodologies", International Journal of Engineering Development and Research (IJEDR), IJEDR1902035, Volume 7, Issue 2 | ISSN: 2321-9939, pp 170-174, May 2019.

32. Sathish Pasika, D.Krishna Reddy and N. Alivelu Manga, "Development of Raspbian kernel Customization for Automatic Railway Level Crossing Application" International Journal of Recent Technology and Engineering (IJRTE) Scopus indexed ISSN: 2277-3878 Vol 8, Issue 1C, pp: 196-201, May 2019.

33. B.Prabhakar, D.Krishna Reddy, "An Efficient Block Based Motion Estimation Algorithm Using ESAT", Journal of Advanced Research in Dynamical and Control Systems (JARDCS), ISSN:1943-023, April 2019

34. Sudarshan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana, D. Krishna Reddy "Augmentation of NavIC-11 with BeiDou-3 over Indian Region" Journal of Adv Research in Dynamical & Control Systems, Vol. 11, 03-Special

issue, March 2019, ISSN 1943-023X, pp: 1667-1673 March 2019.

35. David Solomon Raju Y and Dr. D. Krishna Reddy, "Extraction of Region of Interest from Natural Images with Spline Based Clustering Method", International Journal of Management, Technology and Engineering, ISSN No: 2249-7455, Volume IX, Issue I, pp: 3921-3929, January, 2019.

36. K Venkata Murali Mohan, D Krishna Reddy, Chaitanya Bharathi, V Krishna, B Pulla Rao "Millimeter Wave Systems for 5G: Design Principles, Challenges Opportunities", and Solutions, International Journal of Research Volume 7, Issue XII, pp 532-538 December 2018 ISSN NO:2236-6124

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