

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:
Research	6 years
Industry	1 year
Others	-

Area of Specialization Communication

Professional Memberships

Responsibilities held at Institution Level

1. IEEE Membership # No: 90721029.
2. ISTE: Membership # LM 2215.
3. SOEMCEI: Membership # LM 496.
4. IETE Fellow Member #F165581.
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 Mechanical engineering dept. on 30.03.2017
4. Nodal Officer for NIRF of MHRD from Oct 2016
5. Member- Committee for renewal of NAAC accreditation since April 2015 till date.
6. Purchase committee member IETE, Hyderabad centre (2014).
7. Member Grievance, Redressal Cell, CBIT (2014).
8. Member, PG Accreditation committee, Communication Engg Programme, CBIT (2013)
9. Member, Planning Committee for DST sponsored SERC School V organised 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 School IV 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. College of 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 College of 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.

	<ol style="list-style-type: none"> 8. Head of the Department for six months for ECE Department in Sir C.R.R. College of Engineering, ELURU. 9. Head of the Department for ECE Department at Vignan Institute of Technology and Science, Hyderabad. 10. Lab In-Charge for Communications, Linear Digital Integrated Circuits and MW lab Laboratories. 11. PG NBA Coordinator 12. Member DRC 13. Member DAB 14. Member, Performance Assessment Committee 15. Member, Course Expert Group
Research Guidance	Ph. D: 02(Awarded), and 15(Pursuing)
Awards Received	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 – 06 International Journals – 33 National Conference – 13 International Conference – 52
Projects Carried out	<ol style="list-style-type: none"> 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
Patents	--
Technology Transfer	--
Invited Speaker	<ol style="list-style-type: none"> 1. Delivered guest lecture on “Advances in Navigation Techniques” on 25th March 2107 in Student technical fest “ISTE IGNIUM 2K17”, organised by ISTE chapter of GNITS, Hyderabad. 2. Member of Critical Design Review committee of project entitled “SHAKTI” of program SAMUDRIKA being executed at DLRL, DRDO Hyderabad : Dated 17.01.2017. 3. Reviewer of International Conferences ICITE-2018, OU Hyderabad 4. Reviewer ICDECT -2020, KITS Warangal
No. of Books/Chapter Published with details	<ol style="list-style-type: none"> 1. 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, DebashisDutta, NIT Warangal and BiswajitMahanty 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 Pvt Ltd. 2020 2. 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, Vol. 2, Print ISBN978-3-030-24317-3 Online ISBN978-3-030-24318-0 DOI https://doi.org/10.1007/978-3-030-24318-0_40 pp 327-334 eBook Packages Intelligent Technologies and Robotics first online July 2019. 3. 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, Springer nature Singapore Pte Ltd. 2017.
Details of Short-Term Training	<ol style="list-style-type: none"> 1. One-week online AICTE Sponsored STTP “Recent Advances in

Programs /Faculty Development Programs /Seminars/Workshops/ Other Trainings (Attended and/or Organised).

- Wireless communication & Future Challenges” organized by Department of ECE Vardhaman College of Engineering (A), Hyderabad during 13th to 18th July 2020
2. One week online FDP on “ Recent IT Technologies, Writing Papers and Funding Proposalsuring” , 20-24 Jun 2020 organised by RIT Rajaramnagar.
 3. Participated in online National webinar on “Sponsored Research Projects (Oppotunites , Procedures and Best Practices)”, held on 7 June. 2020, organised by Engg. Staff College of India, (ESCI) Hyderabad.
 4. Online webinar on “CO-PO Attainment Computation and Outcomes Analysis”,on 13 Jun 2020, organised by Inpods Ed-Tech.
 5. Participated in online National webinar on “Developing Effective Communication And Presentation Skills” , held on 12 Jun. 2020, organised by Soft core Technologies.
 6. A National level Quiz on NAAC on 7 Jun 2020, organised by PVPP College of Engg. Mumbai.
 7. A National level Quiz on NAAC on 24 May2020, organised by PVPP College of Engg. Mumbai.
 8. Online FDP on “Outcome Based Education and NBA Accreditation” ,during 28 May to 1 Jun 2020 organised by CBIT.
 9. Faculty Awareness programme on “Outcome Based Education and NBA Accreditation” , on 24 May 2020 oraganised by Maharastra Institute of Technology.
 10. A Virtual Seminar on “ Quality Assurance in Online Teaching – Learning Evaluation”, on 19 May 2020, organised VIT, Vellore.
 11. One week online FDP on “IoT for Emerging Applications” during 10-14 May 2020, organised by KITS Warangal in association with Cloud Chip Technologies.
 12. Online Faculty Program on NBA on 13 May 2020, organised by Bharathi Vidyapeeth College of Engg. Mumbai.
 13. A National Level Webinar on “How to Maximise your Score in NAAC Criterion 2”, on 27 April 2020 organised by Inpods Ed-Tech.
 14. A two week course on “Digital Transformation in Teaching Learning Process”, during 14 Feb- 6 Mar 2020 organised by National Project Implementation Unit.
 15. A course on “Wireless Communications for Everybody”, by Coursera, May 2020.
 16. A workshop on “Satellite Navigation” during 30-31 October 2017 organised by NRSC, Hyderabad.

International/National Journals from the Year 2017

1. Kaitha Praveena, Perumalla Naveen Kumar, D.Krishna Reddy, N.Santhoshd, “Analysis of Ionospheric Scintillations of NavIC L5 and S -band Signals over Low Latitude Indian Region”, International Elsevier Journal of Procedia Computer Science, Vol/Issue 171C (2020).
2. K Sudershan Reddy, MdKhajaRahmatullah, SameehaFahmeen, Quddusa Sultana and D. Krishna Reddy “Comparative Analysis of Serial and Parallel Satellite Positioning Algorithms for GPS and NavIC” Springer Nature Journal, pp: 458-465, (2020).
3. Sana Fathima, Sudarshan Reddy Kotla, SameehaFahmeen, 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) ,Vol 8, No.1.4, PP 391-394, (2019).
4. Sudarshan Reddy Kotla, SameehaFahmeen, 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), Vol 8, No.1.4, pp. 202-205,(2019)
5. SathishPasika and D. Krishna Reddy, “Estimation of Doppler Positioning for NavIC System in Static and Dynamic Conditions” International Journal of Engineering and Advanced Technology (IJEAT), Volume-8, Issue-6, pp.2868-2873, (2019).
6. 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, ,pp 583-589,(2019).
7. B.PrabhakarD.Krishna Reddy, “Implementation of Efficient Block Based Motion Estimation Algorithm Using Skipping Technique”, International Journal of Recent Technology and Engineering (IJRTE), Vol.8, Issue-1,(2019).
8. SathishPasika, 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),Vol 8, Issue 1C, pp: 196-201, (2019).
9. 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, (2019).
10. Sudarshan Reddy Kotla, SameehaFahmeen, 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,pp: 1667-1673,(2019).
11. 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, Volume IX, Issue I, pp: 3921-3929, (2019).
12. K VenkataMurali 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,(2018).
 13. David Solomon Raju Y and D. Krishna Reddy, "Interactive Natural Image Segmentation and Foreground Extraction", Special Issue of International Journal of Engineering & Technology, , pp.70-72, (2018).
 14. B.Prabhakar, D.Krishna Reddy and A.V. Paramkusam, Development of a Novel Block Matching Algorithm to Improve Motion Estimation Using Summed Area Table, International Journal of Innovative Research & Studies Issue No.III,vol.No.8,PP.320-327. (2018).
 15. David Solomon Raju Y and D. Krishna Reddy, "Performance Analysis of Spline Based Segmentation Algorithm For Natural Image Segmentation", Anveshana's International Journal Research in Engineering and Applied Sciences (AIJREAS), Online volume - 3 Issue – 1, pp.129-133, (2018).
 16. K. V. Murali Mohan and Dr D Krishna Reddy, "Parallel ICI Cancellation of MC-CDMA System Under Typical Urban Channel", Middle-East Journal of Scientific Research, Volume 25, Issue 12, pp 2061-2064, (2017).
 17. B. Prabhakar and D. Krishna Reddy, "Video Enhancement Using Contrast Limited Adaptive Histogram Equalization", International Journal of Innovative Research Explorer, Volume 4, Issue 6, pp 143-156, (2017).
 18. K. V. Murali Mohan and Dr D Krishna Reddy, "MC-CDMA Performance Analysis with RNS Precoding under Different Channels", International Journal of Research, Issue 14, Vol. 04, pp. 4544-4547, (2017).
 19. David Solomon Raju Y and D. Krishna Reddy, "Interactive Natural Image Segmentation with Regression Based Clustering Algorithm", International Journal of Latest Trends in Engineering and Technology, Vol. (8), Issue (1), pp.494-497. (2017).

International/National Conference Proceedings from the Year 2017

1. D.Krishna Reddy, "Design And Implementation Of High Speed And Low Power FIR used In EEG Analysis", in "International Conference on Smart Modernistic in Electronics and Communication", St. Martin's Engineering College, Dhulapally, (2020).
2. KaithaPraveena, Perumalla Naveen Kumar, D.Krishna Reddy, Rairalanaraiah, "Indian NavIC Ionospheric Scintillation during Partial Solar Eclipse in December 2019", 2020 International Conference for Emerging Technology (INCET), Belgaum, India, pp 1-3, 978-1-7281-6221-8/20/IEEE,(2020).
3. KaithaPraveena, Perumalla Naveen Kumar, D.Krishna Reddy, N.Santhoshd, "Analysis of Ionospheric Scintillations of NavIC L5 and S-band Signals over Low Latitude Indian Region", Third International Conference on Computing and Network Communications (CoCoNet'19), Organised by IIITM-K trivandrum, Procedia Computer Science, ISSN: 1877-0509, pp 1-10, (2019).
4. Sana Fathima, Sudarshan Reddy Kotla, SameehaFahmeen, Quddusa Sultana and D Krishna Reddy, "Estimation and Analysis of Instrumental Biases for GPS and NavIC Satellites and Receivers", Paper ID: ICACSET202019, 6th International Conference on Advances in Computer Science, Engineering and Technology 2019 (ICACSET 2019), Hyderabad, pp.2, (2019).
5. Sudarshan Reddy Kotla, SameehaFahmeen, Quddusa Sultana and D Krishna Reddy, "Augmentation of NavIC with GPS Over Indian Region", Paper ID: ICACSET102019, 6th International Conference on Advances in Computer Science, Engineering and Technology 2019 (ICACSET 2019), Hyderabad, pp.1, (2019).
6. P. Sathish and D. Krishna Reddy "Predictive Data Optimization of Doppler Collision Events for NavIC System", International Conference on Numerical Optimization in Engineering and Sciences (NOIEAS), NIT, Warangal, pp.49, (2019).
7. SathishPasika, D.Krishna Reddy and N. Alivelu Manga, "Development of Raspbian kernel Customization for Automatic Railway Level Crossing Application" Second International Conference on Emerging Trends in Science & Technology for Engineering Systems (ICETSE-2019) organised by SJC Institute of Technology, Chickballapur, Karnataka, pp.223-229, (2019).
8. Sudarshan Reddy Kotla, SameehaFahmeen, D Krishna Reddy and Quddusa Sultana, "Augmentation of NavIC-11 with BEIDOU-3 Over Indian Region", International Conference on Engineering and advancement in Technology, pp.29, (2019).
9. K Sudarshan Reddy, MdKhajaRahmatullah, SameehaFahmeen, Quddusa Sultana and D. Krishna Reddy "Comparative Analysis of Serial and Parallel Satellite Positioning Algorithms for GPS and NavIC", International Conference on Data Science, Machine Learning & Applications (ICDSMLA-2019) Organised by Department of Computer Science & Engineering CMR Institute of Technology, Kandlakoya, Hyderabad, pp. 46, (2019).
10. M Rajendra Prasad, D. Krishna Reddy "An Experimental System Level Performance Analysis of Embedded Systems for GSM Application", Paper Id 555, International Conference on Emerging Trends in Engineering (ICETE), Osmania University, Hyderabad.(2019).
11. D. Sony, V. Satya Srinivas, P.Naveen Kumar, D.Krishna Reddy " IRNSS User Range Accuracy Evaluation for Receiver Autonomous Integrity", URSI AP – RASC 2019, New Delhi, (2019).
12. Sudarshan Reddy Kotla, SameehaFahmeen, Quddusa Sultana and D Krishna Reddy, "Augmentation of NavIC with BeiDou-2 Over Indian Region", IWAT 2019 IEEE Conference, in Miami, Florida, USA ,pp. 189-192,(2019).
13. K Sudarshan Reddy, SameehaFahmeen, D Krishna Reddy and Quddusa Sultana, "Augmentation of Modernized CAPS with NavIC Over Indian Region", Third IEEE International Conference on Electrical, Computer and Communication Technology (ICECCT), Coimbatore, Tamil Nadu, India, Vol.3, pp. 1521-1525, (2019).
14. D. Sony, D.Krishna Reddy, P.Naveen Kumar and V. Satya Srinivas, "IRNSS and GPS Satellite User Range Accuracy Analysis for Receiver Autonomous Integrity Monitoring", National Space Science Symposium, Pune(2019).
15. M Rajendra Prasad, D Krishna Reddy "Investigations on Performance Improvement of an Embedded

- System for IP-BTS GSM Radio Interface”, International Union of Radio Science (URSI) – New Delhi, (2018).
16. M Rajendra Prasad, D Krishna Reddy “An Experimental System Level Performance Analysis of Embedded Systems for Radio Application”, International Union of Radio Science (URSI) – New Delhi, (2018).
 17. K.Praveena, P.Naveen Kumar, D.Krishna Reddy and PeddaNaraiah R, “Receiver Bias Estimation of Indian GAGAN System using FRB Technique for Equinox Days: Preliminary Results” Andhra Pradesh Academy of sciences Amaravati and Yogi Vemana University, Kadapa jointly host the prestigious Andhra Pradesh Science Congress-2018 (APSC-2018), Focal Theme Integrating Science and Society for Global sustainability, (2018).
 18. K.Praveena, A.Supraja Reddy, D.Krishna Reddy and P.Naveen Kumar, “Estimation of GNSS Reviver Bias Using Fitted Receiver Bias (FRB) Method”, Paper id ICISW2018_O_93, The 80th Anniversary of SuanSunandhaRajabhat University, International Conference on Innovation, Smart Culture and Well-Being (ICISW2018), SuanSunandhaRajabhat University, Bangkok, Thailand pp459-463, (2018).
 19. P.Sathish, D. Krishna Reddy, A.D Sarma and K. Sudarshan Reddy “ Investigations of Doppler Collision Effects on NavIC” 2018 3rd IEEE international conference on Recent Trends in Electronics, Information & Communication Technology (RTICTE-2018), S.V college of Engineering. Bengaluru, IEEE, pp.2324-2327, (2018).
 20. B.Prabhakar and D.Krishna Reddy, “Video Enhancement Using Contrast Limited Adaptive Histogram Equalization”, Paper Id IC17EC01, Proceedings of International Conference on Latest Trends in Electronics and Communication (ICLTEC) under the Auspices of International Conference on Trends in Information, Management, Engineering and Sciences (ICTIMES) -2017, Organised by Malla Reddy College of Engineering (MRCE), ISBN 978-93-85100-14-7, pp 01-09, (2017).
 21. M. Rajendra Prasad and D. Krishna Reddy, “Modeling and System Level Performance Analysis of RTOS on ARM Processor Based Embedded Systems for Telecom Applications”, National Conference on Computational Intelligence in Electrical and Electronics Engineering (NCIEEE-17), Organised by Dept of EEE, School of electrical and Electronics Engineering, Sathyabama University, Chennai.pp309-314. ISBN: 978-81-924031-9-9, (2017).
 22. M. Rajendra Prasad, B.SantoshPawan Kumar, A Swarnamani, A Lahiri, P. Prathyusha and D. Krishna Reddy, “Investigation on Performance of Distributed Autonomous Sensors on Embedded Platforms” , 2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies, 978-1-5090-6266-9/17 \$ 31.00 © 2017 IEEE, DOI 10.1109/ICRTEECT.2017.27, pp29-35, (2017).
 23. M. Rajendra Prasad, D. Krishna Reddy, “Development of System Level Computational Platform for IP-BTS Telecom Application” 2017 IEEE 7th International Advance Computing Conference (IACC-2017) VNR-VJT, .pp. 450-455, (2017).