

1.	Name of the Faculty	Dr. A. Supraja Reddy	
2.	Designation	Associate Professor	
3.	Nature of Job/Appointment	Regular	
4.	Date of Joining the institution	27.02.2015 (Asst.Prof) 04.07.2019 (Assoc.Prof)	
5.	Email	suprajareddy_ece@cbit.ac.in	
6.	Educational Qualifications	Name of the Degree	Class
	Ph. D	Doctor of Philosophy	Awarded
	PG	M. Tech	First with Distinction
	UG	B. E.	First with Distinction
7.	Work Experience		
	Teaching	19 Years	
	Research	03 years	
	Industry	--	
	Others	--	
8.	Area of Specialization	Global Navigation Satellite Systems (GNSS), GNSS Augmentation Systems, Ionospheric Wave Propagation IoT, 5G	
9.	Professional Memberships	FIETE	
10.	Responsibilities held at Institution Level	1. Member, Academic Council 2. Member, Academic Audit Committee 3. Member, Industry Institute Cell	
11.	Responsibilities held at Department Level	1. Member, BoS, ECE Dept. 2. Incharge, Academic Audit 3. Dept. Research Coordinator 4. Convener, Dept. Research Committee 5. Member, Program Content Committee 6. Chairman, Course Expert Group	
12.	Research Guidance	Guided 08 M.E projects	
13.	Awards Received	- Received Best Paper award for the paper entitled “A Portable IoT-Enabled Point-of-Care Instrument for Multi-Parameter Water Quality Assessment”, Proceedings of the International Conference on Advances in VLSI, Communication and Navigation Systems, ICAVCNS 2025, 11-14 April 2025, Saranathan College of Engineering, Thiruchirapalli, India. - Best Poster Award for the poster titled “ML based Intelligent Indian Vehicle Network with Relay Assisted mm Wave BS System in 5G NR-V2X Communications” during 6th Research Day 2024, 13-14 Dec2024, CBIT, Hyderabad. - Best Product Award for the product “IoT based Air Pollution Monitoring and Controlling System” in 5th Research Day 2023, November 2023, CBIT, Hyderabad. - Best Paper Award for the paper titled “ Machine Learning Based Multilateration for Enhanced Aircraft Localization”, during Research Day 2022, 17 Dec 2022, CBIT, Hyderabad. - Appreciation for contributing to most sponsored project funding for NIRF Ranking (2018,2019 and	

		2020) of Chaitanya Bharathi Institute of Technology (A), during Research Day 2021. - Invited by International Centre for Theoretical Physics (ICTP), Trieste, Italy to attend a workshop on “Space Weather Effects on GNSS Operations at Low-Latitudes” held during 23 April to 04 May 2018. The trip is fully funded by ICTP. - Received 'Best paper of the conference' award for the paper entitled “Multipath and Thermal Noise Free relative TEC estimation using IRNSS L5 and S1 signals” at <i>International Conference on Innovative Technologies in Engineering (ICITE 2018)</i>, Osmania University, Hyderabad, 11-13 April 2018. - Received 'Best paper of the conference' and the 'Best paper of the track - antennas and wireless communication' awards for the paper entitled “Effect of Latitude and Longitude on Bounding Sigma at Low-latitude Stations for GBAS Applications” at IEEE International WIE Conference on Electrical and Computer Engineering 2016 (WIECON-ECE) is jointly organized by IEEE Pune section and IEEE Bangladesh section.	
14.	Courses Handled at Undergraduate / Post Graduate Level.	Electronic Devices, Analog Circuits, Satellite Communications, Principles of GNSS, Wireless and Mobile Communication, Signal Intelligence Systems, IIoT and Applications, Basic Electronics Sensors.	
15.	No. of Papers Published	National Journals – --	International Journals – 21
		National Conference – 09	International Conference – 33
16.	Projects Carried out	Sponsored Research Projects 1. Co-PI of the project Entitled “Development of Post Processing Software for precise positioning using NavIC triple frequency measurements (L1, L5 and S), sponsored by ISRO Telemetry, Tracking and Command Network (ISTRAC), ISRO, Bangalore. Duration of the project: 3 years (Oct 2025 – Sep 2027) Status: Ongoing Funding: 18.72 lacs 2. Co-PI of the project Entitled “Machine Learning based Intelligent Indian vehicle network with Relay assisted mmWave BS system for 5G NR-V2X communications”, sponsored by SERB, DST, New Delhi Duration of the project : 3 years (Oct 2023 – Sep 2026) Status: Ongoing Funding: Rs.16.17 lacs 3. Principal Investigator of the project Entitled "Investigation of the Effects of Ionospheric Spatial Decorrelation on Indian GBAS", sponsored by Space Applications Centre (SAC), ISRO, Ahmedabad. Duration of the project : 3 years (2017-2020) Funding: Rs.19.34 lacs In-House Projects 1. Project title: Deep Learning based Multi-modal Sensing Aided V2X Communications using Real-time Datasets Scheme: CBIT funding for in-house projects	

		Funding: 1,28,454 /- Role: Co-PI Date of approval: 15 April 2025
17.	Patents	1. Portable Optical Imaging Device and Method for Multi-Parameter Water Quality Analysis, 202641052010, 2026, Published. 2. Multifunctional Borewell Rescue Framework: Improving Safety with Stable Lifting System, 202541043774, 2025, Published. 3. Automatic Dependent Surveillance Broadcast (ADS-B) Receiver for Air Ground Propagation, 202441055433, 2024, Published.
18.	Technology Transfer	--
19.	Invited Speaker	1. Lecture on "NavIC Integration with other GNSS" at ATAL Faculty Development Programme (FDP) on "Navigation with Indian Constellation: Opportunities, Challenges and Future Developments" 1st December 2025 to 6th December 2025. 2. Delivered a talk on "Global/Regional Navigation Satellite Systems" at a Two Day Workshop on "Ionospheric Scintillations and its Effects on GNSS" organized by K L University, during 27-28 th December 2024. 3. Delivered a session on "Research Trends in GNSS" in National Level FDP on "Tools for Research in Communications and VLSI Signal Processing for RF Applications", organized by ECE Dept., CBIT, Hyderabad, during 17 Sep 2024 to 23 Sep 2024. 4. Lecture on "Enhancing Aviation Precision: Ground Based Augmentation of GNSS Navigation", G.Pullaiah College of Engg. And Tech, Kurnool, 10 Aug 2023. 5. Lecture on "Indian Satellite Missions and Satellites", TKR Engineering College, Hyderabad, on 01 July 2023. 6. Lecture on "Modulation and Multiplexing Techniques for Satellite Links", Malla Reddy Engineering College, Hyderabad, on 30 June 2023. 7. Lecture on "Fundamentals of Satellite Communications", TKR Engineering College, Hyderabad, on 24 June 2023. 8. Lecture on "Link power Budget and Multiple Access Techniques for Satellite Communications", Geethanjali College of Engineering and Technology, Hyderabad, on 04 May 2022. 9. Lecture on "DGPS for Marine Navigation" in AICTE Sponsored STTP on "Current Trends and Emerging Advances in Marine Navigation and Communication" (Phase-I), 23-28 Nov 2020. 10. Lecture on "GBAS for Sea Ports" in AICTE Sponsored STTP on "Current Trends and Emerging Advances in Marine Navigation and Communication (Phase-II), 07-12 Dec 2020. 11. Lecture on "Latest trends and developments in GBAS", at University College of Engineering, Osmania University, Hyderabad during a STTP on "Recent Research Developments and Challenges in Communication and Navigation Technologies", during 25-29 Feb 2020. 12. Lecture on 'Ongoing Research in the Area of Ground Based Augmentation Systems' at Research and Training Unit for Navigational Electronics (NERTU), Osmania University, Hyderabad, during a Two day symposium on 'Research Trends in GNSS' during September 08-09, 2019 13. Lecture on 'Ground Based Augmentation Systems for Improved Position Accuracy' at Geethanjali College of

		Engineering and Technology (GCET), Medchal Dist., during a One week FDP on '5G and GNSS Positioning' during June 17-22, 2019 14. Lecture on "GNSS Augmentation Systems", at University College of Engineering, Osmania University, Hyderabad during a One Week FDP on "Principles of GNSS, Applications and Research Areas" on 08 June 2018.
20.	No. of Books/Chapter Published with details	Books: 1. Satish P, Supraja Reddy A, Kowsthubha P, Balasubba Reddy, M., "Efficient Estimation of Dilution of Precision (DoP) for GPS and IRNSS Systems", August 2023, Akinik Publications, ISBN: 978-93-5570-749-9. 2. Balasubba Reddy, M., Kowsthubha P, Supraja Reddy A, Satish P, "Design Analysis of Support Insulators for HVDC Gas Insulated Switchgear", August 2023, Akinik Publications, ISBN: 978-93-5834-003-7 Book Chapters: 1. Aishwarya, K., Supraja Reddy, A., Sujith, K., Pravallika, M., Sathish, P., Pavan Kalyan, M., Khashyap, K. (2025) "Development of a Real-Time Geofencing System for Ground Support Vehicle Monitoring in Airports", Chapter 61 in <i>Innovations in Computer Vision, Communication Systems, and Computational Intelligence</i>, eds. Tripathi, S.L., Kumar, O.P., Stalin, A.D., Ali, T., 1st Edition, CRC Press, London, 2025. https://doi.org/10.1201/9781003724988 2. Sridher, T., Supraja Reddy, A., Mahesh, C. (2025) "Preliminary Experimental Results of a Vehicle Tracking System Using Low-Cost IOT Modules in Hyderabad Urban Density Areas", Proceedings of the 1st International Conference on Advances in Aerospace and Navigation Systems, ICAAN 2024. Advances in Science, Technology & Innovation. Springer, Singapore, pp 313–320. https://doi.org/10.1007/978-3-031-76937-5_37 3. Praneeth Reddy, N., Sumanth Reddy, B., Supraja Reddy, A., Satyanarayana, K., Dileep Reddy, V. (2024) "Development and Performance Evaluation of NavIC-Based Reefer Monitoring System", Advances in Signal Processing and Communication Engineering. ICASPACE 2023. Lecture Notes in Electrical Engineering, Vol 1157. Springer, Singapore. https://doi.org/10.1007/978-981-97-0562-7_15 4. M Balasubba Reddy, P. Kowsthubha, A. Supraja Reddy and P. Sathish "Machine Learning Based Cyber-attack Resistant Microgrid System with IRNSS Synchronization", Tech Press, June 2023, ISBN:978-93-90856-23-7.
21.	Certifications	1. Elite Silver in 12 week NPTEL Course on "Introduction to Industry 4.0 and Industrial Internet of Things" Jan-April 2026 3. Elite in 8-week NPTEL course on "Roadmap to Patents", Jan-Mar 2026. 3. Elite Gold in 12-week NPTEL Course on "Introduction to IoT", July-Oct 2025 4. Elite Silver in 12 week NPTEL course on "NBA Accreditation and Teaching-Learning in Engineering (NATE)" Jan-April 2020. 5. Successfully Completed "AI for everyone" an online non-credit course authorized by Stanford University and offered through Coursera on 04 May 2020

		6. Successfully Completed “Introduction to Electronics” an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 05 April 2020 7. Successfully Completed “Wireless Communication for Everybody” an online non-credit course authorized by Yonsei University and offered through Coursera on 28 April 2020
22.	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (Attended and/or Organized).	Attended 1. FDP on “AI and Cloud based Tools for Research”, 24/03/2025 to 28/03/2025, NITTTR Chandigarh. 2. FDP on “IoT and Data Analysis of Sensor Data”, 03/03/2025 to 07/03/2025, NITTTR Chandigarh. 3. One day In-house workshop on “New NBA Evaluation Guidelines for UG Programs in Engineering and Technology”, 22 Feb 2025, IQAC, CBIT. 4. FDP on “Applications of IOT- Project Based”, 10/02/2025 to 14/02/2025, NITTTR Chandigarh. 5. FDP on “IoT Enabled Embedded Systems” from 22/07/2024 to 26/07/2024, NITTTR Chandigarh. 6. Innovation Ambassador Training (Foundation Level)”, September 2024, MoEs Innovation Cell & AICTE. 7. FDP on “AI for SDGs under Unnat Bharat Abhiyaan”, 18/11/2024 to 22/11/2024, NITTTR Chandigarh. 8. “Innovation Ambassador Training (Foundation Level)”, September 2024, MoEs Innovation Cell & AICTE. 9. FDP on “IoT Enabled Embedded Systems” from 22/07/2024 to 26/07/2024, NITTTR Chandigarh. 10. Application of AI/ML Using Pattern Recognition & Intellectual Property Rights” from 29th Jan to 2nd Feb 2024, organized by Department of ECE and Mechanical Engineering, CBIT. 11. NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, National Institute of Technology Warangal from 08-01-2024 to 19-01-2024. 12. FDP on “Big Data Applications in Electrical Engineering”, from 20/02/2023 to 24/02/2023, EEE Dept., CBIT. 13. FDP on “Technology Integration and NEP 2020 Conducted by Media Engineering Department, NITTTR Chandigarh from 12/06/2023 to 16/06/2023. 14. Short term course On “Recent Trends in Modeling and Control of Dynamical Systems (RTMCDS-2023)” organized by Department of Electrical Engineering, NIT Rourkela, from June 23-27, 2023. 15. FDP on “OBE and NBA Accreditation” Conducted by ECE Department, NITTTR Chandigarh from 07/08/2023 to 11/08/2023. 16. FDP on "Exploring Machine Learning and Deep Learning Algorithms for Natural Language Processing (NLP) Applications " from 22/11/2021 to 26/11/2021 at VNRVJIET, sponsored by AICTE, ATAL Academy.

		17. One Week STTP on “Emerging Trends in VLSI Technology”, organized by Malla Reddy Engineering College for Women, 14-19 June. 18. ATAL FDP on “Design Thinking”, organized by Bharati Vidyapeeth College of Engineering and ATAL Academy, 21-25 June 2021. 19. Webinar series on “Applications of Satellite Navigation and NavIC for Common Man”, , 06-09 Feb 2021, organized by Indian Space Industries Exhibitors. Organized 1. Co-ordinator of Expert Talk on "From Engineering to Leadership: Building Impactful Careers in a Changing World", CBIT, 30th June 2026. 2. Co-ordinator of ATAL FDP on “IoT Enabled Sensor Technology for Industry 5.0” , funded FDP, conducted by ECE Dept., CBIT, 04-09 Nov 2024. 2. Coordinator of FDP on “IoT Enabled Embedded Systems (ICT-31)”conducted by CBIT in association with NITTTR, Chandigarh, during 22nd to 26th July 2024 3. Co-coordinator of STC on “OBE and NBA Accreditation”, conducted by CBIT in association with NITTTR, Chandigarh, 07-11 Aug 2023. 4. Organizer, Research Day, at CBIT on 23rd August 2019. 5. Coordinator of 4th International Conference on Vedic Mathematics, organized by CBIT in association with IAVM during 29- 31 Aug 2019.
23.	Details of Journal Publications/ Conferences (National and International)	
24.	International Journals	1. Minchula, V.K., Reddy, A.S., G. Udvitha, Kodam, S. (2026). Performance Evaluation of Position-Aided Beam Prediction Using Empirical Data and ANN in 5G NR V2I Communications. Journal of Engineering Science and Technology (JESTEC). June 2026, Volume 21 Issue 3. 2. Sowmya, B.S., Ammana, S.R., Ipsitha, M., Venkat Ratnam D. “Machine learning based classification of ionospheric equatorial plasma bubbles using GNSS-derived doppler index” <i>Earth Sci Inform</i> 19, 83 (2026). https://doi.org/10.1007/s12145-026-02135-5. 3. Supraja Reddy A, Hima Vamsi V, Sony D, Venkat Ratnam D, “A Low-Cost, IoT-Enabled GNSS-Based Ionospheric Monitoring System with Real-Time Data Access”, Journal of Applied Geodesy, DeGruyter, April 2026. DOI:10.1515/jag-2025-0125 4. Varsha Reddy Manda, Supraja Reddy Ammana, Mahesh Chilaka, Venkat Ratnam Devanaboyina, “A K-NN-Driven Multilateration Approach for Improved Aircraft Positioning”, Journal of Applied Research and Technology, vol. 24, no. 1, pp. 111–121Feb 2026. https://doi.org/10.22201/icat.24486736e.2026.24.1.3107 5. Vamsi, V.H., Reddy, A.S., Sathish, P. <i>et al.</i> “Sensor Enabled Centralised Monitoring System for Streetlight Fault Detection Using IoT”., <i>Sensing and Imaging, Vol 25</i>, August (2024). https://doi.org/10.1007/s11220-024-00500-6 6. Ammana, S.R., Sujimol, M.R., Songala, K.K, Sarma A.D "Advantage of IRNSS S-band signal for GBAS applications in adverse ionospheric storm conditions". <i>Aerospace Systems</i>, 5(3), (2022). https://doi.org/10.1007/s42401-022-00158-6 7. Supraja R Ammana and Haritha G, “ Analysis of Temporal Variations of TEC with Ionospheric Activity at Low Latitude Station” , <i>Proteus Journal</i>, June 2021. 8. Ammana S.R., “Overview of Real-Time GNSS Spoofing Attacks and Consequences”

- Journal of Interdisciplinary Cycle Research”, Volume XIII, Issue VI, June 2021, pp.1658-1662
9. S R Ammana, “An Analysis of GPS Code minus Carrier (CMC) Measurements for GBAS Applications”, The IUP Journal of Electrical and Electronics Engineering, Vol.11(1), January 2018.
 10. A.S Reddy, “Modernized GPS Signals-Benefits and Status”, International Journal of Emerging Technology and Advanced Engineering, Vol.8(3), March 2018.
 11. A.S Reddy, “Ionospheric Effects on the Performance of Satellite-Based Navigation in India” Research Journal of Engineering and Technology, Vol. 09 (1), Jan-Mar 2018, (pp.55-58).
 12. A.S Reddy, “Ground Based Augmentation of GPS for PA and Landing of Aircraft”, ISST Journal of Electrical & Electronics Engineering, Vol. 8(2), pp. 1-4, December 2017.
 13. A.S Reddy, “Accuracy improvement in State-of-Art Ground Based Augmentation Systems”, ISST Journal of Electrical & Electronics Engineering, Vol. 8(2), p.p. 5-8, December 2017.
 14. A.S Reddy, “Improving the positioning performance of GPS through Differential GPS – An Overview”, International Journal of Engineering Research And Development, Vol.13(11), pp.37-39, November 2017.
 15. A.S Reddy, “Augmentation of GPS for Aviation Applications – A Comprehensive Overview”, International Journal of Emerging Technology and Advanced Engineering, Vol.7(11), pp.251-254, November 2017.
 16. Supraja Reddy Ammana and Sarma D Achanta, "Estimation of Overbound on Ionospheric Spatial Decorrelation over Low Latitude Region for GBAS", IET Radar Sonar and Navigation, Vol.10(3), pp.637-645, March 2016. (10.1049/iet-rsn.2015.0469)
 17. P.Naveen Kumar, A.D.Sarma and A.Supraja Reddy “Modelling of Ionospheric Time Delay of GPS signals using Taylor Series Expansion for GPS Aided Geo Augmented Navigation Applications”, IET Radar Sonar and Navigation, Vol.8(9),pp.1081-1090, May 2014 (Impact factor: 1.135). (: 10.1049/iet-rsn.2013.0351)
 18. V.Satya Srinivas, A.D.Sarma, A.Supraja Reddy and D.Krishna Reddy, “Investigation of the effect of Ionospheric Gradients on GPS Signals in the Context of LAAS”, Progress In Electromagnetics Research B, Vol. 57, Pp.191-205, January 2014 (Impact factor: 1.229). (doi:10.2528/PIERB13101305)
 19. K.C.T. Swamy, A.D.Sarma, A. Supraja Reddy, V. Satya Srinivas and PVD Somasekhara Rao, “Modelling of GPS Signal Scintillations with Polynomial Coefficients over the Indian Region”, Indian Journal of Radio & Space Physics (IJRSP), pp.167-174, Vol. 42, June 2013.
 20. Mohammed Mushthaq Ahmed, Quddusa Sultana, A.SuprajaReddy and M A Malik, “Tropospheric error correction in assisted GPS signals”, Indian Journal of Radio & Space Physics (IJRSP), Vol. 42, pp.159-166, June 2013.
 21. A.Supraja Reddy, G.Santhosh Kumar and A.D.Sarma, “Mitigation of Code-Carrier Divergence Effect using an Optimized Filter for LAAS Applications”, IETE Journal of Research. Vol.58: Nov-Dec 2012 (Impact factor: 0.185) (10.4103/0377-2063.106752).

International Conference Papers (Last 10 years)

22. Dyappa, A.R., Gajjela, S., Vatturi, N., Ammana, S.R., Devanaboyina, V.R., "Performance Evaluation of Various GNSS-Based TEC Gradient Measurement Techniques for Navigation Applications; presented yet to be published
23. Minchula, V.K., Reddy, A.S., Kodam, S. (2026). Relay-Assisted Framework for mmWave 5G NR BS System in V2X Communications. In: Fong, S., Dey, N., Joshi, A. (eds) ICT Analysis and Applications. ICT4SD 2025. Lecture Notes in Networks and Systems, vol 1654. Springer, Cham. https://doi.org/10.1007/978-3-032-06697-8_49
24. Sowmya, B.S., Ipsitha, M., Ammana, S.R., Sridher, T., Jyothsna, K.S. and Devanaboyina, V.R., 2025, November. Comparative Analysis of SVM and SNN Models for LOS/NLOS GNSS Signal Classification. In 2025 Third International

- Conference on Emerging Applications of Material Science and Technology (ICEAMST) (pp. 1-6). IEEE.
25. Hima Vamsi Vankayala, Abhinav Mahadevan, Sai Sandeep Kongani, A. Supraja Reddy, Venkat Ratnam Devanaboyina, "IoT-Enabled GNSS-Based System for Real-time Ionospheric Scintillation Monitoring ", Proceedings of the 5th International Conference on Pervasive Computing and Social Networking (ICPCSN-2025), R P Sarathy Institute of Technology, Salem, Tamilnadu, India, 14-16 May 2025.
 26. Manish Kanaparthi, Sai Srinath Chembolu, Shreesh Reddy Yeddula, Ammana Supraja Reddy, Venkat Ratnam Devanaboyina, "Implementation of an Effective Ionospheric Gradient Detection Technique for GBAS Applications at Low-Latitudes", Proceedings of the 5th International Conference on Pervasive Computing and Social Networking (ICPCSN-2025), R P Sarathy Institute of Technology, Salem, Tamilnadu, India, 14-16 May 2025.
 27. Pavan Kalyan Manda, Khashyap Katarapu, Varuntej Kurakula, Sathish P, Supraja Reddy Ammana, "Compact IoT-Enabled Water Testing Kit for E.coli and Coliform Contamination", Proceedings of the 8th International Conference on Trends in Electronics and Informatics (ICOEI-2025), SCAD College of Engineering and Technology, Tirunelveli, India, 24-26, April 2025.
 28. Sridher, T., Supraja Reddy, A., Mahesh, C. Preliminary Experimental Results of a Vehicle Tracking System Using Low-Cost IOT Modules in Hyderabad Urban Density Areas. Proceedings of the 1st International Conference on Advances in Aerospace and Navigation Systems, ICAAN 2024. Advances in Science, Technology & Innovation. Springer, https://doi.org/10.1007/978-3-031-76937-5_37
 29. Ghulam Mohiuddin, Chilaka Mahesh, A. Supraja Reddy, P.Sathish, M. Vinodh Kumar, " An IoT based System for Remote Monitoring of Critical Communication Equipment in Airports," 2024 1st International Conference on sustainability and Technological Advancement in Engineering Domain, Manav Rachna Institute of Research and Studies, Faridabad, 13-14 Dec 2024.
 30. K.C.T. Swamy, Y. Pandurangaiah, Supraja Reddy Ammana, "Estimation and Analysis of NavIC Receiver Tracking Jitter due to Amplitude and Phase Scintillations", 1st International Conference on Power and Energy Systems (ICPES 2023), Madurai, India, November 23, 2023, published by E3S Web of Conference, Vol.540, 2024, DOI: 10.1051/e3sconf/202454014002
 31. S. S. Chembolu, A. Chelimela, A. L. N. S. Datta, S. R. Ammana and S. Pasika, "Comprehensive Integration and Implementation of Air Quality Monitoring Technology for Respiratory Health in Cardiovascular and Asthmatic Individuals," 2024 2nd International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC), Hyderabad, India, 2024, pp. 592-597, doi: 10.1109/ICMACC62921.2024.10894199.
 32. Sharathchand Kodam, Dr. Vinodh Kumar M, Supraja Reddy, Kavya Chalamalasetty, Ram Siddardha Tammireddi, "Optimizing Relay based V2V Communication in Non-Line-of-Sight Scenarios: Pathloss Modelling and Strategies", 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IIT Mandi, 24-28 June 2024.
 33. Ram Siddardha Tammireddi, Dr. Vinodh Kumar M, Supraja Reddy, Kavya Chalamalasetty, Sharathchand Kodam, "Performance Evaluation of IEEE 802.11ax using Validated Propagation Loss Models for v2i Applications", 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IIT Mandi, 24-28 June 2024.
 34. M. Vidya, S. Vineela, P. Sathish and A. S. Reddy, "Gesture-Based Control of Presentation Slides using OpenCV," 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India, 2023, pp. 1786-1791, doi: 10.1109/ICAISS58487.2023.10250520.
 35. P. Sathish, A. S. Reddy, G. S. Teja, G. U. Kiran and A. Kireeti, "Design of Water Quality Monitoring System using SVM Algorithm," 2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2023, pp. 1196-1201, doi: 10.1109/ICESC57686.2023.10193737.

36. S. Reddy Ammana, K. Kumar Songala and D. Bollavula, "Performance Evaluation of Weil Codes and Gold Codes for Application in Future Navigation Signals," 2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), Mysuru, India, 2022, pp. 1-6, Doi: 10.1109/MysuruCon55714.2022.9972451.
37. Supraja Reddy Ammana, Satyanarayana K, Bhaskara S. M, Komal Kumar S, Sowjanya B, Namitha K, Nikhitha T, Sarma A. D, "Development of Simple Software Receiver For IRNSS L5 Signal", 2021 IEEE International Women in Engineering (WIE) conference on Electrical and Computer Engineering (WIECON-ECE), 4-5 December 2021, Dhaka, Bangladesh.
38. Bhaskara S. M, Sarma A.D, Komal Kumar S, Supraja Reddy A, "A Simple SDR based Method to Spoof Low-End GPS aided Drones for Securing Locations", 2021 IEEE International Conference on Robotics, Automation, Artificial-Intelligence and Internet-of-Things (RAAICON), 3-4 Dec 2021, Dhaka, Bangladesh (accepted, yet to be published).
39. Sree Naresh Krishna Chama, Satyanarayana Katukojwala, Supraja Reddy Ammana, Shivank Agarwal, Varun Kumar Reddy and A.D.Sarma "Design and Development of NavIC and GPS based Geolocation System for CO2 Monitoring", International Conference on Innovative Practices in Technology and Management.. 17-19 Feb 2021, Amity University, Noida.
40. Komal Kumar S, Supraja Reddy A, Harichandana R., and A.D.Sarma "Simplistic Spoofing of GPS Enabled Smart Phone" 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), 26-27 December, 2020, Bhubaneswar, India.
41. Naga, S.R.C., Padmapriya, K., Supraja, R.A., Satyanarayana, K. and Dattatreya, S.A., 'Design and Implementation of Bluetooth-Beacon based Indoor Positioning System', 5th IEEE international Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2019 (IEEE WIECON-ECE 2019), IEEE Bangalore Section & WIE AG Bangalore Section, 15-16 Nov. 2019 (10.1109/WIECON-ECE48653.2019.9019997).
42. Supraja Reddy Ammana and A.D. Sarma, 'On the Suitability of Ionospheric Gradient Estimation Techniques for IRNSS based GBAS Applications', IEEE international Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, Boston, Massachusetts, USA, 8-13 July 2018.
43. Supraja Reddy A, "Performance Evaluation of Mixed-Pair method of Estimation of Ionospheric Gradients on IRNSS L5 Signals", *International Conference on Innovative Technologies in Engineering (ICITE 2018)*, Osmania University, Hyderabad, 11-13 April 2018.
44. Mohd Qurram Javeed, A.D. Sarma, A. Supraja Reddy, T. Sridher, N.V. Koteswara Rao and Tarun Kumar Pant "Multipath and Thermal Noise Free relative TEC estimation using IRNSS L5 and S1 signals", *International Conference on Innovative Technologies in Engineering (ICITE 2018)*, Osmania University, Hyderabad, 11-13 April 2018.
45. Supraja Reddy A, "Investigation of Anomalous Ionospheric Gradient Effects on the Performance of Indian GBAS", *IEEE International Conference on Computing Methodologies and Communication (ICCMC-2017)*, Surya Engineering College, Erode, 18-19 July 2017.
