Profile

Name of the Faculty	Mr.K.Phani Rama Krishna					
Designation	Assistant Professor					
Department	ECE					
Date of Birth	05.01.1981					
DOJ the Institution	11.07.2006					
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Education Qualifications	UG	PG	Ph.D	Others		
	B.Tech.	M.Tech	Pursuing			
Work experience	Teaching	Research		Industry	Others	
	19 years					
Area of Specialization	Microwave Engineering, Wireless Sensor Networks					

Courses taught at Under Graduate/ Post Graduate Level: (full course title only) For UG : Analog Communications, Digital Communications, Wireless Communications & Networks, Optical Communications, Basic Electronic Devices & Circuits, Control Systems, Network Analysis, Television Engineering, Digital Signal Processing, Microprocessors and Interfacing, Microprocessor and Microcontrollers, Microwave Engineering, Principles of Communications, Data Communication Systems, Data Communication, Electromagnetic Field Theory, Transmission Lines and Waveguides, Antennas and Wave Propagation, Wireless Communications and Networks, Internet of Things, Sensor Technology, Managerial Economics And Financial Analysis .
For PG : Time Harmonic Electromagnetic Fields, Microwave Networks and Measurements, Microstrip Components and Microstrip Antennas, Transform Techniques, Solid State Microwave Devices and Circuits, EMI/EMC, Microwave Networks, Advanced Digital Signal Processing, Advanced Electromagnetics .

Professional Memberships & ID's : IETE: LM-234483, ISTE: LM 102523

Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-	22	2			
	Masters			-		

Details of Paper Publications (In IEEE Format only Descending order)	Journals: 1.K.Phani Rama Krishna, Dr.G.V. Prasanna Anjaneyulu, Anjaneyulu Naik.R, Dr.B.Keerthi Samhitha, Dr.J.Ravindranadh, Sreedhar Bhukya, T.Balaji, “Dissolved Oxygen Level Measurement In Water Using Iot And Machine Learning”, Journal Of Theoretical And Applied Information Technology,2025. Feb,2025,Vol.103. No 4. 2. CH GANGADHAR, HABIBULLA MOHAMMAD,K. PHANI RAMA KRISHNA, RIAZUDDIN MOHAMMED, “DISTRIBUTED LEDGER TECHNOLOGY ON ENHANCED PEGASIS ALGORITHM FOR MOBILITY MANAGEMENT IN WSN”, May 2024, Journal Of Theoretical And Applied Information Technology, May 2024 Vol.102. No. 10. 3.K.Phani Rama Krishna, Duvvuri Eswara Chaitanya Dr.M.Prema Kumar, Venkata Bhujanga Rao Madamanchi, Balaji Tata, Kurra Upendra Chowdary, “Detection Of Casing Laceration Using Dense CNN”, Journal Of Theoretical And Applied Information Technology,Dec 2023,Vol.101. No. 24 4.Krishna Kuraganty Phani Rama,Thirumuru Ramakrishna, A Balanced Intrusion Detection System for Wireless Sensor Networks in a Big Data Environment Using CNN-SVM Model,Informatics and Automation, Vol. 22 No. 6. Nov.2023 5. K. P. R. . Krishna, H. . Mohammad, C. . Gangadhar, and R. Mohammed, “Congestion Detection and Mitigation Technique for Multi-Hop Communication in WSN”, IJRITCC, vol. 11, no. 8s, pp. 236–241, Aug. 2023. 6. Habibulla Mohammad, K. Phani Rama Krishna, Ch Gangadhar, and Riazuddin Mohammed, “Token Bucket Algorithm with Modernization Techniques to avoid Congestion in DEC Protocol of WSN”, International Journal of Electronics and Telecommunications, July,2023, VOL. 69, NO. 3, PP. 507-513 7.K.P.R. Krishna,R. Thirumuru, Enhanced QOS Energy-Efficient Routing Algorithm using deep belief neural network in Hybrid Falcon-Improved ACO Nature-inspired Optimization in Wireless Sensor Networks, Neural Network World . Volume 33, Issue 3, June 2023 p113-141. 29p. (SCIE) 8.K. Phani Rama Krishna, Ramakrishna Thirumuru, Energy efficient and multi- hop routing for constrained wireless sensor networks, Sustainable Computing: Informatics and Systems, Volume 38, April 2023, p1-10,10p. 100866, (SCIE) 9.K. Phani Rama Krishna, Ramakrishna Thirumuru, Optimized energy-efficient multi-hop routing algorithm for better coverage in mobile wireless sensor networks, Journal of Integrated SCIENCE & TECHNOLOGY, Volume No:10,Issue:2, Pg No 100-109, July 2022 10. K Phani Rama Krishna, Habibulla Mohammad,

	Gangadhar, Ch. “Dynamic Node Rank for Efficient System in Wireless Sensor Networks”, International Journal of Mechanical Engineering, Vol. 7 No. 4 April, 2022. 11.Bachina Surendra Babu,Satish Kumar Ramaraj, K. Phani Rama Krishna,Pinjerla Swetha, “Extended buffer zone algorithm to reduce rerouting time in biotelemetry systems using sensing”, ACTA IMEKO, March 2022, Volume 11, Number 1, 1 -7. 12.Ch.Gangadhar,Md.Habibulla,T.Mahalakshmi,D.Praveena,Ch.Sri Lakshmi,K.Phani Rama Krishna,”Fibonacci Multichaos Algorithm for Medical Image Encryption for Transmission Through Wavelet Transform Based OFDM System and Its VLSI Realization”, International Journal of Online and Biomedial Engineering, May,2022, Vol No.18, Issue No:6, pp. 133-139. 13.Mohammad, Habibulla , Gangadhar, ch , Mohammed, Riazuddin , K.Phani Rama Krishna SPREAD PREDICTION OF COVID-19 IN ANDHRA PRADESH BASED ON ENVIRONMENTAL CHEMISTRY. RASAYAN Journal of Chemistry.. Jan 2022 15pg. 806-812. 14. K.Phani Rama Krishna, Habibulla Mohammad,. J Ravindra Babu, CH Gangadhar, “Mathematical modelling to maximize OFDMA system using Margin Adaptive Resource Allocation Technique”, TURCOMAT, vol. 12, no. 8, pp. 122–126, Apr. 2021. 15.Dr. PANKAJ KUMAR, Mr Afaroz Mansoori, K.Phani Rama Krishna, Prof.(Dr.) Sudhir Kumar Sharma, “Crossed Inverted-V Antenna with a Common Reflector for Polarization Diversity in the IoT”, LINGUISTICA ANTVERPIENSIA, May 2021 Volume 2, Issue Number 2, pg. 32 -42. 16. Dr S V N SREENIVASU, K.Phani Rama Krishna, Dr. Pratik Gite, Mr.Amit Shrivastava, “Political Participation through Artificial Intelligence”, LINGUISTICA ANTVERPIENSIA, May 2021 Volume 2, Issue Number 2, pg. 115-121 17. K.Phani Rama Krishna, M.Venu Bhargavi, P. G. S. Sundeep, M. L. P. Bindu, Lakshmi Pravalika, “Advanced Energy-Efficient Clustering Routing Protocol using Centralized Scheme”, International Journal of Engineering and Advanced Technology, Feb,2020, vol. 9, no. 3,pg.4359-4363 18.K. Phani Rama Krishna, Haji Md. Habibulla, “Implementation of DEEC Protocol Using Optimization Technique in Wireless Sensor Technology”, International Journal on Future Revolution in Computer Science & Communication Engineering, Nov 2018, Volume 4, Issue Number 11, pg. 86-90 19.K. Phani Rama Krishna, Haji Md. Habibulla, “Implementation of DEEC Protocol Using Optimization Technique in Wireless Sensor Technology”, International

	Journal on Future Revolution in Computer Science & Communication Engineering, Nov 2018, Volume 4, Issue Number 11, pg. 86-90 20.K. Phani Rama Krishna, P. Siva Sindhu Bramarambika, "Implementation of Dual Hop Concept in DEEC Protocol", INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING, Nov 2018, Volume 6, Issue Number 4, pg. 827-830 21.K. Phani Rama Krishna,Md. Habibulla, M.R.K.S.N.Sai, " Optimal Lie Detector using NI MyDAQ", International Journal of Management, Technology And Engineering, Nov 2018, Volume 8, Issue Number 11, pg. 718-725. 22. Spandana Ch,K. Phani Rama Krishna, "IMPLEMENTATION OF SLEEPING MECHANISM CONCEPT USING LEACH PROTOCOL IN WIRELESS SENSOR NETWORKS", International Journal of Novel Research and Development, Nov 2017, Volume 2, Issue Number 11, pg. 43-49. Conferences: 1.K. Phani Rama Krishna,Md. Habibulla, "Reduction Of PAPR in Orthogonal Frequency Division Multiplexing System Using Optimization Methods", Web Higher Education in social sciences IT and management, Srinivasa College of social sciences and Humanities, Dt. 29-12-2020 2. Chalasani, Subba Rao., Boppana, Swathi Lakshmi., Kuruganti, Phani.Rama Krishna. (2020). Design and Analysis of Compact Wideband Elliptical Patch Antenna. ICETE 2019. Learning and Analytics in Intelligent Systems, vol 4. Springer
Details of Patents Published / Granted	
Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)	1. AI for Engineering Applications, NITTTR Chandigarh, 04-11-24 to 08-11-24 2. IoT and Embedded Systems, NITTTR Chandigarh, 23-09-24 to 27-09-24 3. Microstrip Patch Antenna Design Techniques and Tools, NITTTR Chandigarh, 16-09-24 to 20-09-24 4. Graphics and Animation through Open Source Tools for making MOOCs, NITTTR Chandigarh, 19-08-2024 to 23.08.2024 5. NEP 2020 Orientation & Sensitization Programme, Osmania University, Hyderabad, 19-07-24 to 27-07-24 6. Unlocking Innovation: Exploring Intellectual Property Rights, SIDDHARTHA ACADEMY, 16-05-2024 to 21-05-2024. 7. 5G and Beyond, NITTTR Chandigarh, 05-02-24 to 09-02-24 8. Neural Networks and Fuzzy Logic, NITTTR

	Chandigarh, 21-08-23 to 01-09-23 9. Recent Trends in Wireless Communication, pvpsit, 23-04- 23 to 28-04-23 10. Antenna & Wireless Technologies, NITTTR Chandigarh, 20-02-23 to 24-02-23. 11. Enhancing Research Capabilities for Academic Career Progression, NITTTR Chandigarh, 05-09-2022 to 09-09-2022 12. Essentials of 5G communication, PVPSIT, 26-08-21 to 28-08-21 13. Outcome Based Curriculum-Design and Implementation, NITTTR, 02-08-21 to 13-08-21 14. Millimeter Wave Frequencies, GEC, 16-11-2020 to 21-11-2020 15. Advancement in communication engineering technologies with simulation tools, Vishnu Institute of Technology, 01-07-2020 to 05-07-2020 16. AD HOC AND WIRELESS SENSOR NETWORKS, Sairam Institute of technology,22.6.2020 to 27.6.2020 17. HOW TO IMPROVE TEACHING SKILLS, SRI VASAVI ENGINEERING COLLEGE,6.6.2020 18. Cyber Security, Bapatla Engineering College,2.6.2020 to 6.6.2020 19. module - 3 - Micro processor & VLSI of Online STTP Blooms TaxonomyOnline STTP Blooms Taxonomy higher order thinking skills, SAVEETHA ENGINEERING COLLEGE,1.6.2020 to 5.6.2020 20. Programming for Everybody(Getting started with Python), University of Michigan, 9-04-2020 to 21-05-2020 21. AI for Everyone, University of Michigan, 23-04-2020 to 14-05-2020 22. Introduction to Programming with MATLAB, Vanderbilt University,11.03.2020 to 6.5.2020 23. NEW TRENDS IN TEACHING METHOLOGIES, UNIVERSITY COLLEGE OF ENGINEERING, NARASARAOPET,10.07.2017 to 14.07.2017 24. System Design Flow and ASIC Design Flow, COREel Technolgies,24.07.2023 25. Introduction to Internet of Things, INFOSYS SPRINGBOARD,28.02.2023 26. Ubiquitous Millimeter Wave Networks and Applications, PVP Siddhartha institute of technology,26.08.2020 27. Panel Discussion on Successful Startup Incubation, Andhra Pradesh State Skill Development Corporation,15.07.2020 28. DIGITAL SIGNAL PROCESSING, WILEY WEBINAR SERIES NRI,GUNTUR,23.06.2020 29. WEB APPLICATION SECURITY, BOT DEVELOPERS DESK, JEPPIAR INSTITUTE OF TECHNOLOGY, 27-05-2020 to 28-05-2020 30. Computational Electromagnetic techniques for

	different RF Microwave and Millimeter-wave Application, GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE, 25-05-2020 31. Online NEP 2020 Orientation & Sensitization Programme, MALAVIYA MISSION TEACHER TRAINING PROGRAMME, OSMANIA UNIVERSITY,19.07.2024 to 27.07.2024 32. 5G and Beyond, PVPSIT, NITTTR CHANDIGARH, 5.2.2024 to 9.2.2024 33. CURRICULUM WORKSHOP, EFFTRONICS, MANGALAGIRI,17.11.2023 to 19.11.2023 34. Outcome Based Education, NITTTR CHENNAI,05.09.2023 to 09.09.2023 35. ICT Tools for Teaching, Learning Process & Institutes, Ministry of Electronics and Information Technology, Government of India, 10.8.2020 to 21.8.2020 36. Wireless Communications for Everybody, YONSEI UNIVERSITY,26.05.2020 to 06.07.2020 37. Python Data Structures, University of Michigan,09.04.2020 to 21.05.2020 38. Introduction to Google Docs,RHYME,27.04.2020 to 04.05.2020
Details of Projects Applied / Awarded	
Any Other information	