

Resume



Name: Dr. G. Sateesh Kumar

Employee ID: A5ECE00T48

Designation: Professor

Department: ECE

Date of Birth: 17-07-1976

Father Name: Jagannadham

Mother Name: Dhana laxmi

Reservation Category if Any: OC (BC-D)

Address: D.No. 13-9-129/2D, Near Sampath Vinayaka Temple, Mangavarthota, Srikakulam.

Institution address: Professor, Dept. of ECE, Aditya Institute of Technology & Management (AITAM), K. Koturu, Tekkali, Srikakulam.

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Date of Joining in the Institution: 30-05-2012

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D (full-time) (ECE)	AU, Vishakhapatnam	Awarded	2013
M. Tech (R&M)	AU, Vishakhapatnam	FIRST Class	2002
AMIETE	IETE, New Delhi	FIRST class	2008

Total Years of Experience (Teaching/Industry): 19 Years

Period		Organization/Institution	Designation
July 24	Till date	AITAM, Tekkali	Professor & Dean (IIC)
Oct 19	June 24	AITAM, Tekkali	Professor & In-charge (IIC)
Oct 14	Sep 19	AITAM, Tekkali	Professor & HOD
Nov 13	Sep 14	AITAM, Tekkali	Professor & M. Tech Coordinator
May 12	Oct 13	AITAM, Tekkali	Assoc. Prof
Nov 08	May 10	SSCE, Srikakulam	Assoc. Prof.

July 07	Oct 08	VITAM, Visakhapatnam	Assoc. Prof. & HOD
Nov 06	June 07	VITAM, Visakhapatnam	Sr. Asst. Prof.
June 04	Oct 06	VITAM, Visakhapatnam	Asst. Prof.
Sep 02	June 04	JITM, Paralakhimundi	Asst. Prof.

Areas of Interest:

1. GPS Navigation Signal Processing.
2. Radar and Microwave Engineering.
3. Mobile Communications

Guidance of Academic Projects:

- i) Doctoral Projects : 03
- ii) Masters Projects : 12
- iii) Bachelor Projects : 25

Sponsored Research Projects:

S. No.	Sponsoring Agency	Title of the Project	Grant
01	AICTE	MODROBS(Modernization of VLSI Lab using XILINX Vivado and Mentor Graphics) -2019	9 Lakhs
02	AICTE	IDEA LAB-2025	30 lakhs

Honors and awards received: -

Memberships of Professional Societies and Other Organizations:

IEEE Senior Member (#93534949), FIE (F-1260371), FIETE (F 182136), LMISTE (LM 38907).

Other Responsibilities:

- Presently acting as a **Dean** (Institute Innovation Council) in AITAM.
- Worked as an **In-charge** for Institute Innovation Council in AITAM from October 2019 to June 2024
- Worked as a **HOD of ECE Dept** in AITAM from October 2014 to September 2019.
- Worked as a **Coordinator** for M. Tech courses in AITAM from November 2013 to September 2014.

- Worked as a **HOD of ECE Dept** in VITAM from July 2007 to October 2008.
- Worked as **Examination-in-Charge** in VITAM from 2006 to 2007.

Details of Book Publications: -

1. G. Sateesh Kumar, et al, “The Modern Guide of Entrepreneurship Startups and IPR”, HSRA PUBLICATIONS, India, 1st edition (15 April 2025).

Details of Patents:

1. G. Sateesh Kumar, et al, “Self-Healing Composite Materials for Aerospace Applications”, India, Application No. 202541075447 A, the Patent Office Journal No. 36/2025, Dated 05/09/2025, 86301.
2. G. Sateesh Kumar, et al, “OPTIMIZATION OF ANTENNA DESIGN FOR INTERNET OF THINGS (IOT) APPLICATIONS”, India, Application No. 202441092501 A, The Patent Office Journal No. 48/2024, Dated 29/11/2024, 111015.
3. G. Sateesh Kumar, et al, “SECURE COMMUNICATION PROTOCOL FOR INTERNET OF THINGS”, India, Application No. 202441069731 A, The Patent Office Journal No. 38/2024, Dated 20/09/2024, 84256.
4. G. Sateesh Kumar, et al, “METHOD AND SYSTEM FOR PROVIDING EFFICIENT 5G COMMUNICATION PROTOCOL WITH DYNAMIC CHANNEL ALLOCATION FOR MOBILE NETWORKS”, India, Application No. 202341080316 A, The Patent Office Journal No. 51/2023, Dated 22/12/2023, 91894.
5. G. Sateesh Kumar, et al, “MULTI-WATCHDOG BASED INTRUSION DETECTION SYSTEM USING HIDDEN WATCHDOGS IN RANDOM WIRELESS SENSORS NETWORKS”, India, Application No. 202041045449 A, The Patent Office Journal No. 44/2020, Dated 30/10/2020, 55379.
6. G. Sateesh Kumar, et al, “SAR Based System for Reducing the Effect of Cellular Phone Radiation According to the User Health Parameters”, India, Application No. 201941047253 A, The Patent Office Journal No. 48/2019, Dated 29/11/2019, 56205.

Details of Publications:

Journals (39):

1. G. Sateesh Kumar, et al., "Communication Efficiency Enhancement in Underwater Wireless Sensor Networks" International Journal of Computational Vision and Robotics, Submission code: IJCVR-170869, November, 2024. (Scopus).
2. G. Sateesh Kumar, et al., "Implementation of Ring Oscillator Using Mentor Graphics" International Research Journal of Modernization in Engineering Technology and Science, Volume: 06/Issue: 04/April-2024, Impact Factor 8.17.
3. G. Sateesh Kumar, et al., "Analysis of Domino logic based full adder using Mentor Graphics " International Journal of Novel Research and Development, Volume 9, Issue 4 April 2024, ISSN: 2456-4184, Impact Factor 8.76.
4. G. Sateesh Kumar, et al., "Energy Efficient Underlaid D2D Communication for 5G Applications" Electronics (Switzerland), <https://doi.org/10.3390/electronics11162587>, Volume 11, pp 1-13, 18th August 2022.
5. G. Sateesh Kumar, et al., "Fractional Calculus Cat Swarm Optimization based Neural Network for Removal of EEG artifacts", Agricultural Mechanization in Asia, ISSN: 00845841, Volume 53, Issue 05, pp 7699-7712, May, 2022, Impact factor-0.141, (SCIE).
6. G. Sateesh Kumar, et al., "Secure routing with multi-watchdog construction using deep particle convolutional model for IoT based 5G wireless sensor networks" Elsevier & Computer Communications, <https://doi.org/10.1016/j.comcom.2022.02.004>, ISSN :0140-3664, Volume 187, pp 71-82, 10th February 2022 (SCI).
7. G. Sateesh Kumar, et al., "Internet of things based deeply proficient monitoring and protection system for crop field" Expert Systems (SCIE –Wiley), ISSN (Print): 0266-4720, ISSN (Online): 1468-0394, Volume 39, 18th November 2021 (SCIE).
8. G. Sateesh Kumar, et al., "FPGA Implementation of Linear Phase IIR Filter Parks-McClellan Methodology," International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 9, Issue 10, Impact Factor: 7.429, pp 1639-1649, October-2021.
9. G. Sateesh Kumar, et al., "EEG signal artefact removal using flower pollination fractional calculus optimisation," International Journal of Intelligent Computing and Cybernetics, ISSN: 1756-378X, 31st August 2021, (Scopus).

10. G. Sateesh Kumar, et al., "Secure Opportunistic Watchdog Production in Wireless Sensor Networks: A Review," Springer & Wireless Personal Communications, ISSN(Print): 1572-834X, ISSN (Online): 0929-6212, 28th April 2021, (SCI).
11. G. Sateesh Kumar, et al., "Secure watchdog selection using intelligent key management in wireless sensor networks, Elsevier & Materials Today, <https://doi.org/10.1016/j.matpr.2020.12.1027>, ISSN: 2214-7853, 23rd February 2021 (Scopus).
12. G. Sateesh Kumar, et al., "Residential energy management system using IoT", Elsevier & Materials Today, <https://doi.org/10.1016/j.matpr.2020.10.272>, ISSN: 2214-7853, 4th January 2021 (Scopus).
13. G. Sateesh Kumar, et al., "A Noval approach for EEG signal artefact removal using Deep convolutional Algorithm", Turkish Journal of Computer and Mathematics Education, ISSN: 1309-4653, Vol.11 No.03 (2020), Page No: 1238-1248, 2020 (Scopus).
14. G. Sateesh Kumar, et al., "Enhancing the Energy Efficiency in Wireless Sensor Network Using Extended S-MAC (ES-MAC) Protocol", Turkish Journal of Computer and Mathematics Education, ISSN: 1309-4653, Vol.11 No.3 (2020), Page No: 911-926, 2020 (Scopus).
15. G. Sateesh Kumar, et al., "Node Failure Detection Mechanisms in Wireless Sensor Networks", AEGAEUM JOURNAL, ISSN: 0776-3808, Volume 8, Issue 4, Page No: 1794-1804, April 2020 (Scopus).
16. G. Sateesh Kumar, et al., "Cat Swarm Fractional Calculus optimization-based deep learning for artifact removal from EEG signal", Journal of Experimental & Theoretical Artificial Intelligence (JETAI), Taylor & Francis Online, ISSN (Print): 0952-813X, ISSN (Online): 1362-3079, DOI: 10.1080/0952813X.2019.1704438, 27thDecember 2019 (SCI).
17. G. Sateesh Kumar, et al., "Evaluation of Radar Cross Section in Aerial Operations by using POFACETS for a standard Unmanned Aerial Vehicle (UAV) ", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Vol.8 Issue 10, August 2019 (Scopus).
18. G. Sateesh Kumar, et al., "Design and Implementation of Fast Error Correction Codes for Protecting Processor Registers", International Journal of Research, ISSN: 2236-6124, Vol.8, Issue 6, pp.2073-2083, June-2019.
19. G. Sateesh Kumar, et al., "Performance Analysis and Lifetime estimation of wireless

- technologies for WSN (Wireless Sensor Networks) / IoT (Internet of Things) Application”, Journal of Adv. Research in Dynamical & Control systems, ISSN: 1943-023X, Vol.11, No.1, pp.250-258, 2019 (Scopus).
20. G. Sateesh Kumar, et al., “Hybrid MAC based Adaptive Preamble Technique to Improve the Lifetime in Wireless Sensor Networks” Journal of Adv. Research in Dynamical & Control systems, ISSN: 1943-023X, Vol.11, No.1, pp.247-249, 2019.
 21. G.Sateesh Kumar, et al., “A Robust audio watermarking scheme based on lifting wavelet transform”, International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol. 6, No.1, Jan-2019, pp.287-294.
 22. G Sateesh Kumar, et al., “Multiple Image Signature scheme based on DWT-SVD in YCbCr color space”, CiiT International Journal of Artificial Intelligent Systems and Machine Learning, ISSN (Print): 0974-9667, ISSN (Online):0974-9543, Vol. 9, No.8, Oct-2017, pp.158-162.
 23. G Sateesh Kumar, et al., “UPS Parameters monitoring and controlling using IoT and GSM”, International Journal of Pure and Applied mathematics, ISSN (Print):1311-8080, ISSN (Online): 1314-3395, Vol.116, No.6, pp.133-138, 2017 (Scopus).
 24. G Sateesh Kumar, et al., “Advanced carrier aggregation in long term evolution for functionality”, International Journal of Pure and Applied Mathematics, ISSN (Print): 1311-8080, ISSN (Online):1314-3395, Vol.115, No.8, pp.401-405, 2017 (Scopus).
 25. G Sateesh Kumar, et al., “A New modified threshold sensitive distributed energy efficient clustering routing protocol heterogeneous for wireless sensor networks”, International Journal of Emerging Technology and Advanced Engineering, ISSN: 2250-2459, ISO 9001:2008, Vol.7, No.6, pp.85-90, June-2017.
 26. G Sateesh Kumar, et al., “Denoising of EEG Signal using FRFT based Barlett Window”, I-manager’s journal on digital signal processing, ISSN (Print):2321-7480, ISSN (Online): 2322-0368, vol.5, No.1, pp.18-23, January-March 2017.
 27. G Sateesh Kumar, et al., “GPS Position Estimation Using Integer Ambiguity Free Carrier Phase Measurements”, International Journal of Engineering and Technology (IJET), ISSN (Print): 2319-8613, ISSN (Online): 0975-4024, Vol.8 No.6 Dec 2016-Jan 2017, DOI: 10.21817/ijet/2016/v8i6/160806229, Impact factor-3.546.
 28. G. Sateesh Kumar, et al., “An optimized CB-UT multiplier for efficient design of the AM

- operator”, International Journal of Advances in Engineering & Technology (IJAET), ISSN: 2231-1963, Vol. 9, Issue 3, pp. 321-330, June, 2016, Impact factor-2.76.
29. G. Sateesh Kumar, et al., “Quality Assessment of Tone-Mapped Images”, International Journal of Applied Engineering Research (IJAER), ISSN (Print): 0973-4562, ISSN (Online): 0973-9769, Vol.10, Number 20(2015), pp 41221-41224, Impact factor-1.8233.
 30. G. Sateesh Kumar, et al., “Implementation of 2-D DCT Architecture for Optimized Area and Power Utilization”, IOSR Journal of VLSI and Signal Processing (IOSR-JVSP), ISSN (Print): 2319-4200, ISSN (Online): 2319-4197. Vol.5, Issue 4, ver. I (Jul-Aug.2015), pp 11-16, Impact factor-2.82.
 31. G Sateesh Kumar, G. Sasibhushanarao, et al., “Performance Analysis of Edge Detection Methods for X-ray images in spatial domain” IFRSA International Journal of Advanced Engineering, Vol.1, Issue 1 March 2015.
 32. G. Sateesh Kumar, et al., “A Novel Architecture for Radix-4 pipelined FFT Processor using Vedic Mathematics Algorithm”, IOSR Journal of Electronics and Communication Engineering (IOSR-JECE),ISSN (Print):2278-2834, ISSN (Online): 2278-8735. Vol.9, Issue 6, ver II (Nov-Dec.2014), pp 23-31, Impact factor-1.458.
 33. G. Sasibhushanarao, G Sateesh Kumar, et al., “GPS Satellite Position Error Analysis for Precise Navigation Application”, International Journal of Electronics & Communication Technology, ISSN (Print): 2230-7109, ISSN (Online): 2230-9543, Vol. 5, Issue 3, July - Sept 2014, pp 316-320.
 34. G. Sateesh Kumar, et al., “Leakage Power Reduction in CMOS Circuits using leakage Control Transistor Technique” International Journal of Electronic and Communication Research, ISSN: 2231-1246, Vol.5, Number 1 (2014), pp. 1-7.
 35. G. Sateesh Kumar, G. Sasibhushanarao, et al., “GPS Signal Rician fading model for precise navigation in urban environment” Indian Journal of Radio & Space Physics, ISSN: 0367-8393, Vol.42, pp 192-196, June 2013 (Scopus).
 36. G. Sateesh Kumar, G. Sasibhushanarao, et al., “GPS Signal Short-Term Propagation Characteristics Modeling in Urban Areas for Precise Navigation Applications on” Positioning, ISSN (Print) : 2150-850X,ISSN (Online): 2150-8526, <http://dx.Doi.org/10.4236/pos.2013.42019>, Vol. 4, pp-192-199 May 2013, Impact factor-0.45.
 37. G. Sateesh Kumar, G. Sasibhushanarao, et al., “GPS Satellite Transmitted Signal SNR

modeling over Low Latitude Region for Aircraft Navigation” International Journal of Advanced Engineering Sciences and Technologies, ISSN: 2230-7818, vol.12, Issue 2, May 2013, pp.56-60, Impact factor-1.56.

38. G. Sasibhushanarao, G. Sateesh Kumar, et al., “Modelling of GPS Signal Large Scale Propagation Characteristics in Urban Areas for Precise Navigation” International Journal of Electrical and Electronic Engineering & Telecommunications, ISSN: 2319-2518, vol.1, Issue 1 October 2012, pp.116-122.
39. G Sateesh Kumar, G. Sasibhushanarao, et al., “Precise GPS Navigation Error Analysis Due to Incorrect Ephemeris for Urban Canyons and Indoor Environment Application” Journal of Communication, Navigation and Signal Processing, ISSN: 2277-1735, vol.1, January 2012, pp 57-61.
40. G. Sasibhushanarao, G. Sateesh Kumar, et al., “GPS Navigation Data error correction: A Comparison of existing (15, 11) Hamming with a new design using 1/3 8 state Convolutional Code” International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622, vol.1, Issue 4 November 2011, pp.1912-1916, Impact factor-0.493.

Conferences (19):

1. G Sateesh Kumar, et al., “Design and Implementation of an IoT-Enabled, Solar-Powered Automated Weed Remover for Smart Agriculture” IEEE International Conference on Engineering Innovations and Technologies (ICoEIT) -2025, July 4-5, 2025.
2. G Sateesh Kumar, et al., “Automated Indoor Hydroponic Farming System Using IoT” IEEE Wireless Antenna and Microwave Symposium (WAMS)-2025, 5th to 8th June 2025.
3. G Sateesh Kumar, et al., “Employing Efficient Decoding Algorithms to reduce Bit Error Rates in 5G applications and Beyond” IEEE Wireless Antenna and Microwave Symposium (WAMS)-2024, 9th February to 03rd March 2024.
4. G Sateesh Kumar, et al., Denoising of EEG Signal using FRFT based Barlett Window”, two day national conference on “recent advantages in biomedical signal, image and video processing-2K17”, AITAM, Tekkali, 24th – 25th February-2017, pp 71-75.
5. G. Sateesh Kumar, et al., “A Noise Based Hybrid Thresholding for Enhanced Noise Reduction using Double Density Dual Tree Complex Wavelet Transform”, International

- conference on Electromagnetic Interference and Compatibility (INCEMIC)-2015, Andhra University, Visakhapatnam, 2nd – 3rd July-2015, pp 59-62.
6. G. Sateesh Kumar, et al., “Design of Low Interference High Directive Planar Antenna with Schelkunoff Polynomial Method”, Proceedings of International Conference on Advances in Signal Processing and Communications–2K15 (NECICASPC-2K15), 13th – 14th July, 2015, pp 176-178.
 7. S Raghuramkrishna, G Sateesh Kumar, “Performance Evaluation of L2-RLS in Online Object Tracking”, IEEE Sponsored conference on Emerging trends in Signal Processing and Communication Engineering (ESPACE - 2015), Feb 20th & 21st, 2015, AITAM, Tekkali.
 8. K Suneetha, G Sateesh Kumar, “Improvement of Quality of Toned Images using TMQI”, IEEE Sponsored conference on Emerging trends in Signal Processing and Communication Engineering (ESPACE - 2015), Feb 20th & 21st, 2015, AITAM, Tekkali.
 9. A.V. Prabu, G Sateesh Kumar, “Design and Implementation of Low Power Linear Feedback Shift Registers (LFSR's) for VLSI Applications”, IEEE Sponsored conference on Emerging trends in Signal Processing and Communication Engineering (ESPACE - 2015), Feb 20th & 21st, 2015, AITAM, Tekkali.
 10. G Sateesh Kumar, G. Sasibhushanarao, et al., “Modelling of the Large-Scale and Short-Term Variations of GPS Signal for Aircraft Navigation” National conference on Computing Communication and Instrumentation (NCCCI'12), GITAM University, Hyderabad, 21st – 22st December 2012.
 11. G Sateesh Kumar, G. Sasibhushanarao, et al., “GPS Signal Propagation Characteristics Modelling in Urban Environments for Precise Navigation” International conference on Navigation and communication (NAVCOM) - 2012, Osmania University, Hyderabad, 20st – 21st December 2012.
 12. G Sateesh Kumar, G. Sasibhushanarao, et al., “Lambda based navigational solution for precise receiver position estimation” Advanced Communication and Computer Technologies (ACCT-2012), IETE, Visakhapatnam, 6th – 7th July 2012.
 13. G Sateesh Kumar, G. Sasibhushanarao, et al., “GPS Satellite Position Error Analysis for Precise Navigation in Urban Canyons and Indoor Environment Application” Advances in Communication, Navigation and Computer Networks (ACNCN), Andhra University, Visakhapatnam, 17th – 18th March 2012.

14. G. Sasibhushanarao, G Sateesh Kumar, et al., “Pseudorange Error modelling using T and R error Parameters for Surveying Applications” Advances in Communication, Navigation and Computer Networks (ACNCN), Andhra University, Visakhapatnam, 17th – 18th March 2012.
15. G Sateesh Kumar, G. Sasibhushanarao, et al., “GPS L1 Signal Pseudorange Error Analysis Using TEQC” National Conference on Emerging Trends in Electronics & Communication Technologies (NCECT-2012), JNTUA College of Engineering, Anantapur, 15th March 2012.
16. G Sateesh Kumar, G. Sasibhushanarao, et al., “Orbital Error Analysis for Navigation in Urban Canyons and Indoor Environments”, National Conference on Advances in Communication Technologies (NCACT-2012), GITAM University, Visakhapatnam, 11th - 12th January, 2012.
17. G Sateesh Kumar, G. Sasibhushanarao, et al., “GPS Satellite Transmitted Spread Spectrum codes SNR modeling over the Indian Subcontinent for Precise Positioning Applications” IEEE INDICON-2011, BITS, Hyderabad, 17th -18th December, 2011.
18. G. Sasibhushanarao, G Sateesh Kumar, et al., “Satellite-Receiver Geometry Configuration Analysis Over the Indian subcontinent”, National Conference on Recent Advances in Communications and Energy Systems (RACES-2011), Vignan’s Lara Institute of Technology and Science, Vadlamudi, 29th – 30th April, 2011.
19. G. Sasibhushanarao, G Sateesh Kumar, et al., “Relativistic Error Impact on the Position Accuracy of GPS Receiver”, National Conference on Advances in Communication Technologies (NCACT-2010), GITAM University, Visakhapatnam, 3rd - 4th December, 2010.

Details of Conferences / Workshops / Refresher Courses Organized:

1. Amaravathi Quantum Valley Hackathon 2025, Internal Hackathon 28th August 2025, Institute Innovation Council, AITAM, Tekkali.
2. A National Level Hackathon on “Avishkaar-Season 2”, 28th & 30th December 2024, Institute Innovation Council, AITAM, Tekkali.
3. A One week Faculty Development Program on “Design thinking and Entrepreneurship”, 3rd to 7th June 2024, Institute Innovation Council, AITAM, Tekkali.
4. A National Level Hackathon on “Avishkaar-2024”, 27th & 29th February 2024, Institute Innovation Council, AITAM, Tekkali.

5. Successfully completed the webinar on RTL Design and Functional Verification, conducted by Maven silicon Aug-2018.
6. A National level Technical Fest on “ASPIRE-2k17”, 17th & 18th February 2017, AITAM, Tekkali.
7. A One week Faculty Development Program on “Advances in Communication Technology”, 26th September – 1st October 2016, Dept of ECE, AITAM, Tekkali.
8. IEEE Technically Co-sponsored conference on “ESPACE” 20th & 21st February, 2015, Dept of ECE, AITAM, Tekkali.
9. National level technical symposium on “EMISSION-08”, 27th & 28th March 2008, VITAM, Visakhapatnam.

Workshop / Conferences / FDP attended if any as resource person:

1. Session Chair at ICETESTM-2018 held at AITAM Tekkali during 29th and 30th November 2018.
2. International Conference on Advances in Signal Processing and Communications 2K16 (NECICASPC2K16) during 9th & 10th September 2016, organized by Dept of ECE, Narasaraopeta Engineering College, Narasaraopeta, Guntur (Dist), A.P.
3. National Seminar on Communication, Control & Instrumentation (NSCCI-2015) on 7th and 8th November 2015, organized by Department of Electronics (ECE & EIE) at GIET, Gunupur.

Details of Certifications:

NPTEL Certifications:

1. Accreditation and Outcome based Learning
2. Antennas
3. Introduction to Internet of Things
4. Microwave Theory and Techniques
5. Switching Circuits and Logic Design
6. Principles of Communication Systems - I
7. Digital Circuits
8. Python for Data Science

COURSERA Certifications (Foreign Universities):

1. Introduction to Internet of Things and Embedded Systems- 2 Week Study - authorized by University of California, Irvine and offered through Coursera, May 3, 2020.
2. Getting Started with AWS Machine Learning- 5 Week Study - authorized by Amazon web services and offered through Coursera, June 11, 2020.
3. Introduction to Satellite Communications- 6 Week Study - authorized by Institute Mines-telecom and offered through Coursera, June 8, 2020.
4. Introduction to Programming with MATLAB - 9 Week Study - authorized by Vanderbilt University and offered through Coursera, June 3, 2020.
5. Introduction to Electronics - 7 Week Study - authorized by Georgia Institute of Technology and offered through Coursera, May 30, 2020.
6. The Bits and Bytes of Computer Networking - 6 Week Study - authorized by Google and offered through Coursera, May 18, 2020.
7. Internet of Things How did we get here- 2 Week Study - authorized by University of California, San Diego and offered through Coursera, May 3, 2020.
8. AI For Everyone – 4 Week Study - authorized by deeplearning.ai and offered through Coursera, April 14, 2020.

Details of Conferences / Workshops / Refresher Courses Attended:

1. A One Week AICTE Recognized Basic Faculty Development Program on “ATAL AICTE IDEA LAB” Organized by Visvesvaraya Technological University, Center for Post-Graduation Studies, Muddenahalli, Chikballapura (district) Karnataka, from 6th -10th May 2025.
2. A One Week AICTE Recognized Faculty Development Programme on “Teaching ECE Lab subjects using free simulators” Organized by NITTTR, Chandigarh, from 03/03/2025 to 07/03/2025, through ICT Mode.
3. A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “Design Thinking for Innovation and Entrepreneur” organized by NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, from 10/02/2025 to 15/02/2025 through ICT Mode.
4. A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “Speech Signal Processing Using Machine Learning Algorithms” organized by Department of ECE,

Aditya Institute of Technology and Management, from 12/02/2024 to 17/02/2024 through ICT Mode.

5. A One Week AICTE Recognized Faculty Development Programme on “Recent Trends in Embedded Systems and IOTs” Organized by NITTTR, Chandigarh, from 02/09/2024 to 06/09/2024, through ICT Mode.
6. A One Week AICTE Recognized Faculty Development Programme on “Deep Learning for engineering Applications” Organized by NITTTR, Chandigarh, from 18/09/2023 to 22/09/2023, through ICT Mode.
7. A One week online FDP, “Recent Advances in Electronics and Communication Engineering – An approach through AI & ML” Vignan’s Nirula Institute of Technology and Science for Women, Guntur, from 21st to 26th August 2023, through ICT Mode.
8. FDP on “Python for Data Science” conducted by NPTEL during January to February 2023: Half week Equivalence certification with regular FDP on successful completion of 4 week course.
9. A One Week AICTE Recognized Faculty Development Programme on “Antenna & Wireless Technologies” Organized by Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh, from 20/02/2023 to 24/02/2023, through ICT Mode.
10. AICTE Recognized Faculty Development Programme on “Outcome Based Curriculum Design” Organized by Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh, from 13/02/2023 to 17/02/2023, through ICT Mode.
11. A One Week FDP on “Inculcating Universal Human Values in Technical Education” Organized by All India Council for Technical Education (AICTE), from 2nd January to 6th January 2023, through ICT Mode.
12. A One Week FDP on “IoT Based Smart Automation System” Organized by Department of ECE, MVGR College of Engineering, Vizianagaram, Andhra Pradesh from 22nd Aug to 29th Aug, 2022, through ICT Mode.
13. A One Week FDP on “Soft Computing Techniques and Hands on with MATLAB” Organized by Department of ECE, Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh from 9th May to 13th May, 2022, through ICT Mode.

14. FDP on “Global Navigation Satellite Systems” conducted by NPTEL during Jul - Aug 2021: Half week Equivalence certification with regular FDP on successful completion of 4 week course.
15. A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “Recent Advances in Signal Processing” organized by Department of ECE, Jawaharlal Nehru Technological University Kakinada during 2nd Aug to 8th Aug 2021.
16. A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “Global Navigation Satellite Systems (GNSS)” organized by Department of ECE, Indian Institute of Information Technology Design and Manufacturing Kurnool during 26th July to 30th July 2021.
17. A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “Global Navigation Satellite Systems (GNSS)” organized by Department of ECE, National Institute of Technology Mizoram during 18th Dec to 22nd Dec 2020.
18. A One Week AICTE Sponsored Online Short Term Training Program on “Machine Learning and its Applications” Organized by the Department of Electronics and Communication Engineering, Lendi Institute of Engineering & Technology (A), Vizianagaram, A.P., India During 23rd November to 28th November, 2020, through ICT Mode.
19. A One Week STTP on “Antenna Design and Analysis Using Mathematical Solvers” Organized by Department of ECE Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh from 29th October to 03rd November, 2020, through ICT Mode.
20. A Webinar on “National Education Policy 2020 - What is it that we can do?” Organised by Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh on 15th Sept, 2020, through ICT Mode.
21. A Two Day online National Level Workshop on "Communication, VLSI, Image processing and Design of antennas” Organized by Department of ECE, UCEV, JNTUK Vizianagaram, Andhra Pradesh from Sep 03-04, 2020.
22. A One Week STTP on “Antenna Design and Analysis Using Mathematical Solvers” Organized by Department of ECE Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh from 07th to 12th Sept, 2020, through ICT Mode.

23. A Webinar on “Challenges in Good learning and assessment - post COVID 19” Organized by Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh on 15th Sept, 2020, through ICT Mode.
24. A Webinar on “Preparation of Quality Journal Papers and Book Chapters” Organized by Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh on 09th Aug, 2020, through ICT Mode.
25. A One Week STTP on “Antenna Design and Analysis Using Mathematical Solvers” Organized by Department of ECE Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh from 27th July to 01st Aug, 2020, through ICT Mode.
26. A Webinar on “India First Leadership Talk”, Organised by MHRD’s Innovation Cell, Govt. of India on June 27, 2020.
27. A One Week FDP on “Technological Advances in Wireless Communication Systems” Organized by Department of ECE Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh from June 22-26 through ICT Mode.
28. A One Week AICTE Recognized FDP on “Advances in Antenna Design Techniques and Simulations using CST Studio Suite” conducted by Department ECE, NITTTR Chandigarh from June 22-26, 2020 through ICT Mode.
29. A Webinar on “India First Leadership Talk”, Organized by MHRD’s Innovation Cell, Govt. of India on June 20, 2020.
30. A Webinar on “India First Leadership Talk”, Organized by MHRD’s Innovation Cell, Govt. of India on June 13, 2020.
31. A Webinar on “India First Leadership Talk”, Organized by MHRD’s Innovation Cell, Govt. of India on June 06, 2020.
32. A Webinar on “Satellite Technology and It's Applications”, Organised by Mount Zion COE, on May 30, 2020.
33. A Webinar on “India First Leadership Talk”, Organized by MHRD’s Innovation Cell, Govt. of India on May 30, 2020.
34. A Webinar on “Artificial Intelligence & Its Future Perspective”, organized by International School of Management (ISM), Patna, Bihar, on May 30, 2020.
35. A webinar on “Outcome Based Education” Organized by Dattakala Group of Institutions Faculty of Engineering, Pune, May 25, 2020.

36. A Online webinar on “Introduction and Functioning of IOS and MacOS” by CEO - Infinite Apple & Viroclean Solutions Organized by Sri Venkatesa Perumal College of Engineering & Technology, Puttur on May 24, 2020.
37. A Web Colloquium on “Corona, The Unwanted Companion but an invisible Teacher”, organized by International School of Management (ISM), Patna, Bihar, on May 24, 2020.
38. A Webinar on “India First Leadership Talk”, Organized by MHRD’s Innovation Cell, Govt. of India on May 23, 2020.
39. A One Week AICTE Recognized FDP on “Technological Interventions Using Wireless Communication” conducted by Department of EEE, NITTTR Chandigarh from May 18-22, 2020 through ICT Mode.
40. A Three Day FDP on “Learn Arduino Step-By-Step” Organized by ECE Department, GMR Institute of Technology, Rajam, Andhra Pradesh from May 15-17, 2020 through ICT Mode.
41. A Webinar on “India First Leadership Talk”, Organized by MHRD’s Innovation Cell, Govt. of India on May 16 2020.
42. A Webinar on “Writing An Effective Research Proposal : The Art” Jointly Organized in association with IETE by Miracle Educational Society Group of Institutions & V.R.Siddhartha Engineering College on May 14, 2020 through ICT Mode.
43. A Webinar on “Drafting a patent Application & Procedure for Filing an Indian Patent” Jointly Organized by Institution’s Innovation Council (Ministry of HRD Initiative) & Vignan Pharmacy College, Vadlamudi, Guntur on May 10, 2020 through ICT Mode.
44. A One Week AICTE training and Learning (ATAL) Academy FDP on “Internet of Things” conducted by Department of ECE, NIT Jamshedpur from May 05- May 11, 2020 through ICT Mode.
45. A Webinar on “Research Findings – Submission to Successful Publication” Jointly organized in association with IETE by Miracle Educational Society Group of Institutions & KL Deemed-to-be-University on May 6, 2020 through ICT Mode.
46. A One Week AICTE Recognized FDP on “Teaching and Learning for Accreditation in Technical Education” conducted by Department of EEE, NITTTR Chandigarh from April 27-May 01, 2020 through ICT Mode.

47. A One Week AICTE Recognized FDP on “Latest Wireless and Computing Technologies” conducted by Department ECE, NITTTR Chandigarh from April 14-18, 2020 through ICT Mode.
48. A One week Faculty Development Program on “LabVIEW in Engineering & Academic Research”, AITAM Tekkali, during 27th January to 1st March, 2020.
49. FDP on “Accreditation and Outcome based Learning”, conducted by NPTEL during Aug - Oct 2019: One week Equivalence certification with regular FDP on successful completion of 8 week course.
50. A Two day workshop on “Outcome Based Education” on 13th & 14th July 2019, at AITAM, Tekkali.
51. FDP on “Antennas” conducted by NPTEL during Jan - Apr 2019: One week Equivalence certification with regular FDP on successful completion of 8 week course.
52. FDP on “Introduction to Internet of Things” conducted by NPTEL during Jan - Apr 2019: One week Equivalence certification with regular FDP on successful completion of 8 week course.
53. A One week Faculty Development Program on “Practical RF antenna design with simulation studies”, Organized by E&ICT academy, NIT-Warangal and AITAM Tekkali, during 25th Feb to 2nd March, 2019.
54. A One week Faculty Development Program on “Internet of Things and data analytics”, organized by E&ICT academy, NIT-Warangal and AITAM Tekkali, during 12th to 17th November, 2018.
55. FDP on “Switching Circuits and Logic Design” conducted by NPTEL during Jul - Oct 2018: One week Equivalence certification with regular FDP on successful completion of 8 week course.
56. A One week Faculty Development Program on “Advances in Communication Technology”, 26th September – 1st October 2016, Dept of ECE, AITAM, Tekkali.
57. A one day Awareness Workshop on “Intellectual Property Rights (IPR)” in E & IT Sector organized by Engineering Staff College of India (ESCI) and sponsored by Department of Electronics & Information Technology (DeitY) on 5th July, 2016 at AITAM, Tekkali

58. A Three day Training on “Pedagogy and Management Capacity Enhancement Programme for Teaching Staff” organized by Engineering Staff College of India (ESCI) on 23rd – 25th June, 2016 at AITAM, Tekkali
59. A One day workshop on “Outcome Based Education” in association with IUCEE on 9th March 2015 at AITAM, Tekkali.
60. A Five day International workshop on “ Reviving Education by Implementing Active & Guided Inquiry Experiences in science , Technology, Engineering , Math & Management (REIMAGINE STEM)” during 3rd-7th August, 2015, at AITAM, Tekkali.
61. A One week workshop on “MHRD’s National Mission for Teachers and Administrators Management Capacity Enhancement Programme” held at The Indian Institute of Management Indore during January 12-18, 2015.
62. A One day workshop on “Outcome Based Education” on 6th December 2014 at AITAM, Tekkali.
63. Two day seminar on “Twenty first century, the dawn of digital era: Pedagogical issues of Technical teachers “on 15th and 16th November 2014 at AITAM, Tekkali.
64. One day workshop on ‘Outcome Based Education’ (under TEQIP Phase-II), 17th August, 2014 at AITAM, Tekkali.
65. One day Faculty Development program on ‘Human Values & Professional Ethics’, 5th July, 2014 at AITAM, Tekkali.
66. One day workshop on ‘Outcome Based Education’ (under TEQIP phase-II) 20th June 2014 at AITAM, Tekkali.
67. A Two day National workshop on “Advances in Signal processing” (NWASP-13) on 30th & 31st August 2013 at AITAM, Tekkali.
68. A two day National workshop on ‘Advances in signal and Image processing’ (ASIP-2013) under TEQIP phase-II, 1st & 2nd march, 2013 at AITAM, Tekkali.
69. One day workshop on ‘Outcome Based Education- CO, PO & PEO (In compliance with NBA Accreditation)’, 19th January, 2013 at AITAM, Tekkali.
70. International conference on Navigation and communication (NAVCOM)-2012, Osmania University, Hyderabad.
71. Advanced Communication and Computer Technologies (ACCT-2012), 6th -7th July, 2012, organized by IETE Visakhapatnam.

72. Advances in Communication, Navigation and Computer Networks (ACNCN) - 2012 Andhra University, Mar 17-18, 2012 Visakhapatnam.
73. National Conference on Emerging Trends in Electronics & Communication Technologies (NCECT-2012) at JNTUA College of Engineering, Mar 28th, 2012, Anantapur.
74. National Conference on Advances in Communication Technologies (NCACT 2012) at GITAM University, Jan 9-10, 2012, Visakhapatnam.
75. IEEE conference INDICON-2011, BITS, Hyderabad, 16th -18th December, 2011.
76. National Conference on Recent Advances in Communications and Energy Systems (RACES-2011) at Vignan's Lara Institute of Technology and Science, Vadlamudi,
77. Workshop on "Modernization aspects of GNSS and its Applications" held at Osmania University, Hyderabad during 17th December 2011.
78. Workshop on "MATLAB and its Applications in Communications and Signal Processing" held at Andhra University Visakhapatnam during 12th - 13th November 2011.
79. National Conference on Advances in Communication Technologies (NCACT-2010) at GITAM University, Dec 3-4, 2010, Visakhapatnam.
80. Workshop on "Quality of Research and Young Scientist Sensitization" held at JNTU Kakinada during 23rd October 2010.
81. Workshop on "Recent Developments in Information and Communications Technologies" held at AITAM Tekkali, Srikakulam during 12-13 September 2008.
82. Workshop on "Latest Technologies in Electronic Communications" held at Maharaj Vijayaram Gajapathi Raj College of Engineering, Vijayaramnagar campus, chintalavalasa, Vizianagaram during 14-15 February 2008.
83. Workshop on "Electromagnetics" held at ANITS, Sangivalasa, Bheemili mandal, Visakhapatnam during 12-13 October 2007.
84. Workshop on "Advanced VLSI Design & Embedded Systems" held at ANITS, Sangivalasa, Bheemili mandal, Visakhapatnam during 2-4 September 2006.

Other Achievements:

1. Ratified as Assistant Professor in March 2013 in JNTUK selections.
2. Ratified as Associate Professor in December 2013 in JNTUK selections.
3. Received certificate of Appreciation for contribution of reviewing the paper "An optimized CB-UT multiplier for efficient design of the AM operator" for IJACT.

4. Received certificate of recognition for the outstanding support to conduct the DrishTI Online contest by Texas Instruments University Program.
5. Ratified as Professor in December 2023 in JNTUK selections.

Date: 31-10-2025

Place: Tekkali.



Signature
(Dr. G Sateesh Kumar)