


FACULTY PROFILE

Name of the Faculty:		P. SURENDRAKUMAR		 Photo
Designation:		Associate Professor		
Department:		ECE		
Date of Birth:		29/01/1980		
AICTE – ID:	1-424147519			
Education	<ul style="list-style-type: none"> • B.Tech in ECE from Acharya Nagarjuna University in 2003. • M.Tech in Digital Electronics and Advanced Communications Specialization from NITK, Surathkal in 2005. • PhD in RF and Microwave Antennas specialization from Acharya Nagarjuna University in 2019. 			
Experience	Teaching: 12 Years	Industry: 0 Years	Total: 19 Years	
	Research: 7 Years	Others: 0 Years		
Research Specialization	Microstrip Antenna design, MIMO antenna and antenna design for 5G and 6G wireless applications, UWB antenna, Metamaterial and metasurface based antenna design, Dual, triple and multi-band antenna design.			
Courses taught	<ol style="list-style-type: none"> 1. Linear Control System (LCS)(2023) 2. Transmission lines and wave Guides (TLWG) 3. Antennas and Wave Propagation (AWP)(3C-2022 Aug) 4. Digital Signal processing (DSP) 5. Linear Integrated Circuits (LIC) 6. Digital Electronics (DE) 7. Basic Electronics and Microprocessor (BEMP) 8. Network Analysis and Synthesis (NAS) 9. Computer Networks (CN) 10. EMFT and Transmission lines (EMTL) 11. RADAR Engineering (4A -2020-21) 12. Microwave and Radar Engineering (4B- sep2021) (4A – July 2022) 			

Research contributions

International/National Peer Reviewed Journals

S.No	Name of the Conference	Place	Title of the paper	Date	NC/NJ/IC/IJ
1.	Emerging Trends in ECE	St. Ann's College of Engineering & Technology	Role of fuzzy logic in image edge detection	Feb 6 th , 2010	National Conference
2.	ANU Journal of Engineering	Acharya Nagarjuna University, Guntur	An SVD-and Genetic Algorithm Based Image Watermarking Scheme	June 12 th 2010	National Journal
3.	Advances on Computer Science, Communication and Bio Instrumentation Engineering	SIR C R R Engg., College, Eluru	An image acquiring processing and transfer system over Bluetooth for an educational Robotic platform	8 th and 9 th December 2011	International Conference
4.	Advances on computer science, communication and bio instrumentation engineering	SIR C R R Engg College, Eluru	Compressed image transmission for low signal to noise ratio for turbo code applications	8 th and 9 th December 2011	International Conference
5.	International Conference on MATLAB Applications in Engineering and Technology	Inter Science Research Network, Bangalore	Error Performance of Turbo codes in AWGN channel	Jan 1 st , 2012	International Conference
6.	VLSI, Signal Processing & Communication	Vignan University, Guntur	Performance of Turbo Decoding	10 th & 11 th Feb 2012	National Conference
7.	ANU Journal of Engineering	Acharya Nagarjuna University, Guntur	Performance of turbo codes with Hamming Codes	18 th & 19 th Dec 2012	National Journal
8.	CSACT	Layola College, Chennai	Performance of Turbo decoding algorithms at low SNR	1 st & 2 nd March 2012	National Conference
9.	International conference on advancements in Engineering and Management	RITS, Chennai	GSM Based Wireless Home Appliances Controlling and monitoring	27 th & 28 th February 2013	International Conference
10.	ITResearch international conference on Electrical,	ICEEDE, Chennai	Real time Atomization of Irrigation System for Social Modernization of Indian Agricultural	10 th March 2013	International Conference

	Electronics and Data Communication		System		
11.	National Conference OnRecent Advances in Electronics & Computer Engineering	(RAECE-2015) IIT Roorkee	Performance Analysis of a Rectangular Microstrip Antenna with Circular Slots	13-02-2015 to 15-02-2015	IEEE National Conference
12.	International Journal for Research in Applied science& Engineering Technology	IJRASET-2015	On Associating SVC and DVB-T2 for video broadcasting	Vol.3, Issue. 7, July 2015	International Journal
13.	Two-day national conference on Recent Advances in Microwaves, Antennas and Communication	The Institute of Engineers India) IEI, PVPSIT, Vijayawada	Dual-band Circular Patch Antenna with Inverted U slot and CSRR for WiMAX Applications	01-07-2016 & 02-07-2016	Indian Journal of Science and Technology
14.	International Conference on Microwave, Optical and Communication Engineering (ICMOCE-2015)	School of Electrical Sciences, IIT Bhubaneswar	A Compact Design of Two Element MIMO Antenna with Improved Bandwidth and Isolation	18 th -19 th December 2015	IEEE International Conference
15.	11 th IEEE International Conference onIndustrial and Information Systems (ICIIS2016)	Department of Electronics and Communication Engineering, IIT Roorkee,	Dual-band Microstrip Patch Antenna Design with Inverted-E Slot and U-Slot	December 3 rd – 4 th 2016	IEEE International Conference
16.	13th International Conference INDICON 2016	IEEE India Council, hosted by an IEEE Section in India, IISc Bengaluru	Dual-Frequency Vertex-Fed Pentagonal Slot on Rectangular Patch For WLAN/WiMAX Applications (Best Paper Award)	16 th -18 th December, 2016	IEEE International Conference

17.	National conference on communications, Antennas and signal processing	Acharya Nagarjuna University, Guntur	Dual-band Microstrip Antenna for WLAN and Defense Applications by Using U-Slots and Metamaterial	March 24 th and 25 th - 2017	National Journal ANU Journal of Engineering
18.	National conference On Emerging trends in electronics and communication engineering (NCETE-2017)	Bapatla Engineering College, Bapatla	Bandwidth extension of a dual band circular patch antenna with pulse slot for GPS and WiMAX applications.	January 20 th -21 st 2017	National conference
19.	IEEE Antennas and Propagation Magazine	IEEE Journal (SCI journal) DOI:10.1109/MAP.2018.2818007	Design of Triple Frequency Vertex Feed Pentagonal slot antenna with E-slot for WiMAX and WLAN Applications	Vol.60, Issue. 03, June 2018	IEEE Journal
20.	IEEE Antennas and Propagation Magazine)	IEEE Journal (SCI journal) DOI: 10.1109/MAP.2018.2883018	Miniaturization of patch antenna using partially loaded non-uniform meta-surfaces with metamaterial	Vol.61, Issue. 01, Feb 2019	IEEE Journal
21.	International Conference	IEEE Bangalore (iAIM 2017)	Design of a Miniaturized triple-band antenna with conductor backed metasurfaces CPW-fed for 5G Wireless applications	November 24 th to 26 th 2017	IEEE International conference
22.	International Journal	International journal of advance engineering and research development (IJAERD)	Blood Spatter Source Reconstruction from blood stains on adjacent walls using Image Processing	Vol. 04, Issue. 06, June-2017	International Journal
23.	International Journal	International Journal of Engineering Research & Technology (IJERT)	Video Surveillance Robot with Multi Mode Operation	Vol. 05, Issue. 02, February-2016.	International Journal
24.	International Journal	International Journal of Applied Sciences, Engineering and Management	Resolution Enhancement of Satellite Images by using Wavelet Transform	Vol. 05, Issue. 04, July 2016.	International Journal

25.	International Journal	International journal of advanced research in engineering	Medical image Fusion Techniques Based on Discrete Transform Domains	Vol No.04, Issue no.02 March 2017	International Journal
26.	International Journal	International Research Journal of Engineering and Technology (IRJET)	Contrast Enhancement of Grey Level and Color Image Using DWT and SVD	Vol No.05, Issue no.04	International Journal
27.	International Journal	International Journal of Advance Engineering and Research Development (IJAERD)	Immediate Rescue Operation of Victims from Accidents by Using Smart Phone with ARDUINO	Vol 5, Issue 04, April-2018,	International Journal
28.	IEEE international conference The 9 th International Conference on Computing, Communication and Networking Technologies (ICCCNT)	IEEE International Conference IISc, Bangalore.	Hybrid Technique for denoising Multi Environment Noise in Speech Processing	July 10 th to 12 th 2018 IISc Bangalore	IEEE Conference
29.	IEEE Indian Conference on Antennas & Propagation (InCAP)	IEEE International Conference, IEEE Hyderabad Section (InCAP-2018)	A Compact Hexa-Band and UWB Antenna Using Heptagon and Nonagon Rings with Vertex Feed (Best paper Award)	December 16 th to 19 th 2018	IEEE Conference
30.	IEEE Indian Conference on Antennas & Propagation (InCap)	IEEE International Conference, IEEE AP/MTT Joint Chapter Ahmedabad, Gujarat (InCAP-2019)	Triple-UWB Millimeter-wave MIMO Antenna with Improved Isolation for 5G Wireless Applications	December 19 th to 22 nd 2019	IEEE Conference

31.	4 th National Conference on Knowledge based Inventive Electronics & Telecommunication Systems-2020	KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, A.P.	Slotted T-Shaped Microstrip antenna for WLAN and WiMAX Applications	20 th -22 nd March 2020	National Conference
32.	4 th National Conference on Knowledge based Inventive Electronics & Telecommunication Systems-2020	KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, A.P.	Triple-band Antenna using Pentagonal Patch with Cross slot for WLAN/WiMAX Applications	20 th -2 nd March 2020	National Conference
33.	International Conference on Power of Digital Technologies in Societal Empowerment - IETE CHENCON 2021	IETE Chennai Centre	Design of Dual-Band Microstrip Antenna for Bluetooth and WiMAX Applications	4 th - 5 th June 2021	IETE International Conference
34.	International Conference on Power of Digital Technologies in Societal Empowerment - IETE CHENCON 2021	IETE Chennai Centre	Design and Analysis of Dual-Band U-slot Microstrip Antenna for Bluetooth and Satellite Applications (Best paper Award)	4 th - 5 th June 2021	IETE International Conference
35.	IEEE Indian Conference on Antennas & Propagation (InCap-2021)	Malaviya National Institute of Technology, Jaipur	Triple-Band Antenna for IoT and 5G Wireless Applications using Metasurfaces and polygon slot	13 th -16 th December 2021	IEEE Conference
36	International Conference on Advances in Science, Engineering and Technology, ICASET 2021	Institute for Engineering Research and Publication (IFERP), Puducherry	Triple-band Fractal UWB Antenna Using Offset Feed for WiMAX & Satellite applications. https://icaset.in/downloads/ICASET_2021-DEC.pdf	29 th -30 th December 2021	International Conference

37.	International Journal (Kalahari Journals)	International Journal of Mechanical Engineering (IJME)	Implementation of Digital watches for Health Care Monitoring through IoT	19 th Feb 2022	International Journal (Scopus)
38.	International Conference on Power of Artificial Intelligence and Machine Learning for Human Empowerment	CHENCON 2022 IETE Chennai Centre	Design of Dual-Band Microstrip Antenna for Bandwidth Enhancement Using Slotted DGS	21 st -22 nd May 2022	IETE International Conference
39.	Mathematical Statistician and Engineering Applications	International Journal Vol. 71 No. 4 (2022)	Design and Implementation of IOT Based Innovative Charging Method for E-vehicles	19 th August 2022	International Journal (Scopus)
40.	Innovative Technologies and their Applications in Higher Education	INTAHE-2022 Annamalai University Annamalai Nagar - 608 002 Tamil Nadu, India	An IoT Enabled System for Breast Cancer Detection using Image Processing	17 th -19 th Oct 2022	International Conference
41.	TELEMATIQUE (Telecommunications and computing)	International Journal Volume 21 Issue 1, 2022	Automatic Fertilizer Dispenser Robot using IoT	Sep 2022	International Journal (Web of science and ESCI)
42.	International Conference on Recent Trends in Computing and Communication Engineering (ICRTCCE-2023)	Department of Wireless communication, Institute of ECE, Saveetha School of Engineering (Deemed University), Chennai	Triple-Band Microstrip Antenna for WiMAX/WLAN and Satellite Applications	17 th March 2023	International Conference
43.	International Conference on Communications, Signal Processing and Computing (ICCSPC 2023)	Department of Electronics and Communication Engineering, Bapatla Engineering College, Bapatla	A Novel Machine Learning Algorithm for Spammer Identification in Industrial Mobile Cloud Computing	17 th - 18 th April 2023	International Conference
44.	AIP Conference Proceedings	Volume 2831, Issue 1 20 th September	Development Of Remote Health Monitoring System Based On	20 th September 2023	International Conference

		2023. https://doi.org/10.1063/5.0164228	Internet Of Things For Patients Integrated With Mobile Application		
45.	International Conference On Social and Sustainable Innovations In Technology And Engineering (SASIITE2024)	SASI Institute of Technology & Engineering, Tadepalligudem, West Godavari District, AP	Gain Enhancement of Circularly Polarized MIMO Antenna for WLAN/ZigBee/Bluetooth Applications	February 23 rd -25 th , 2024	IEEE International Conference
46.	The 15 th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT)	IIT - Mandi , Himachal Pradesh, India	Design of Square Microstrip Patch E-Slotted Antenna at 28GHz for 5G Applications	June 24 th – 28 th , 2024	IEEE International Conference

Book Chapters Published

S. No.	Title of the Chapter	Book Title	Publisher	Year
1.	Design of Four Element Multi-Band MIMO Antenna for 6G mmWave Wireless Applications	Next Generation Wireless Communication: Advances in Optical, mm-Wave, and THz Technologies	Springer Series in Optical Sciences (Springer) SCOPUS Indexed by CRC Press	August 27 th , 2024
2.	Study on the Development of Remote Health Monitoring System Based on Internet of Things (IoT) for Patients Integrated with Mobile Application	Science and Technology - Recent Updates and Future Prospects	B P International, Manuscript Number 2024/BPR/1407	September 2024

Details of Patents (Filed & Granted)

S. No.	Inventors	Title of the Patent	Application Number	Filing Date	Published/Granted
1.	Painam Surendrakumar , Medikonda Karuna, Dr. Shaik Nazeer	A Unique Multi-Band and UWB Four Element MIMO Antenna for 6G mmWave Band Applications	202341061465A	13/09/2023	29/12/2023
2.	B.Chandra Mohan,	Malware	202441012662 A	22/02/2024	08/03/2024

	Tatikonda Krishna Chaitanya, Challa Naga Raju, K. Sambasiva Rao, P. Surendra Kumar , Dasari Swetha, Bapatla Engineering College	Classification Using Orthogonal Moments: A Novel Technique			
3.	Painam Surendrakumar , Miriya Suneel, Kommalapati Rajesh, Bapatla Engineering College, Thota Sai Kiran, Savaram Dharmila, Gangireddy Tharun Reddy, Shaik Basheer, Vanja Aswini. Talluri Praveen Kumar, Uppala. Srinivasa Rao, Kasukurthy Venkata Sai Sri Harsha	Design Of Rectangular Slotted Two Element MIMO Antenna for C-Band Radar Applications	202441022009A	2/03/2024	29/03/2024
4.	U Srinivasa Rao, Kommalapati Rajesh, P Surendra Kumar , Suneel Miriya, Jetti Nikhitha, Arja Subba Rao, Vishnu Vardhan Gangireddy, Yachavarapu Aakash, Pathan Mahiyar Khan, Bapatla Engineering College	Design Of Dual- Band Rectangular Microstrip Patch Antenna For 5G Communications At 38GHz And 50GHz	202441017991A	13/03/2024	29/03/2024
5.	U Srinivasa Rao, Kommalapati Rajesh, P Surendra Kumar , Miriya Suneel., Sadam Tharun Srinivas, Ventrappagada Gopi Krishna, Gudluri, Lakshmi Swetha, Seelam Abhishek Reddy, Bapatla Engineering College	A Novel Design Of Square Microstrip Patch E-Slotted Antenna At 28GHz For 5G Application	202441016064A	07/03/2024	22/03/2024
6.	U Srinivasa Rao, Kommalapati Rajesh, P Surendra Kumar , Lukka Durga Bhavani, Jambavantula Udaya Kiran, Kurapati Sravanthi, Ammisetti Soumya, K Kavya Kumari	Design Of A Rectangular Microstrip Patch Antenna At 45GHz For V-Band Applications	202441021466A	21/03/2024	29/03/2024

7.	<p>P Surendra Kumar, Miriya Suneel, Kommalapati Rajesh, Medikonda Karuna, Uppala Srinivasa Rao, Tatikonda Krishna Chaitanya.</p> <p>B.N.V. Sampath Kumar, Bhumireddy Sai Namitha, Billa Anand Emmanuel Raju, Lakhinana Sai Krishna, Jillela Narasimha Reddy Bapatla Engineering College</p>	<p>Gain Enhancement of Multi-Band Antenna for 6G Augmented Reality (AR) and Virtual Reality (VR) Applications</p>	202441025084A	28/03/2024	05/04/2024
8.	<p>P Surendra Kumar, Miriya Suneel, K. Rajesh, Medikonda Karuna, Uppala Srinivasa Rao, Mr. Tatikonda Krishna Chaitanya, Ms. Rohitha Aradhya, Mr. Vakka Ramesh Babu, Mr. Nakkala Naga Sai Charan Mr. Suriboyina Naga Manikanta, Mr. Reddy Tejendra, Bapatla Engineering College</p>	<p>Bandwidth Enhancement Of Diamond Slotted Hexagonal Antenna Design for 6G RADAR Applications</p>	202441027785A	04/04/2024	12/04/2024
9.	<p>Dasari Swetha Tatikonda Krishna Chaitanya</p> <p>P. Surendra Kumar P Sumanth Kumar Ch Madhavi Chilakalapudi poojitha Mudda Priyanka Thirumalasetty Sai Charan Kompala Mahesh Chandra Gorrela Sampath Bapatla Engineering college</p>	<p>Assessing Radiomics Stability of Contrast - Enhanced 2D Mammograms</p>	202441030389A	16/04/2024	19/04/2024

10.	Tatikonda Krishna Chaitanya Painam Surendra Kumar Dasari Swetha Ch. Madhavi Sanagapalli Satya venkata Naga Manasa Betala Syamala Sathuluri Mahitha Shaik Ziyauddin Amboru Gururajan Bapatla Engineering College	A novel Human Signature Verification Using CNN	202441031275	19/04/2024	26/04/2024
11.	Tatikonda Krishna Chaitanya Painam Surendra Kumar Dasari Swetha Ch.Madhavi P.S.S.Anitha V. Srikanth Ch. Ajay P. Vijay B. Venkata Reddy Bapatla Engineering College	Low Light Image Enhancement Using Deep Learning	202441031519	19/04/2024	26/04/2024

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S. No.	Name of the Event	Role	Dates
1.	Two-Day National Conference On Emerging Trends In Electronics And Communication Engineering (NCETECE)	Convener	20 th and 21 st Jan-2017
2.	Two-Day Workshop On Signal Processing And Wireless Networks (WSPWN)	Organizer	21 st and 22 nd Dec-2017
3.	One Day Seminar On " Design and Analysis of RF Antennas Using ANSYS HFSS	Resource Person	6 th December 2017
4.	IEEE International Conference "Recent trends in Electrical, Control and Communications" (RTECC '18)	Reviewer	20 th – 22 nd March-2018
5.	Webinar on "Microstrip antenna design fundamentals and practical implementation of Triple-band antenna for 5G wireless applications using ANSYS HFSS	Resource Person	04-06-2020 to 06-06-2020
6.	Two-day National Conference on Communications and Computing	Convener	28 th to 29 th July 2020

7.	International Conference on Innovation in Technology (ASAINCON2021)	Technical session chair	28 th & 29 th August 2021
8.	International Conference on SmartGeneration Computing, Communication and Networking (SMARTGENCON)	Reviewer	29 th & 30 th October 2021
9.	International Conference On communication signal processing and computing (ICCSPC-2023)	Technical Session Chair	17 th & 18 th April 2023
10.	Antenna Design Using HFSS	Guest Lecture	11 th June 2023
11.	International Conference on Social and Sustainable Innovations in Technology and Engineering - SASI-ITE'24, IEEE Computer Society, Vizag Bay Section, Sasi Institute of Technology and Engineering, Tadepalligudem, West Godavari District, AP,	Reviewer	23 rd -25 th Feb 2024
12.	Magazine-2K24	Convener	28 th February 2024
13.	Faculty Development Program (Hybrid Mode) on "Applications of Machine Learning and Internet of Things from	Convener	24 th to 29 th Feb 2024
14.	10 th International Conference on Communication and Signal Processing - ICCSP 2024, Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College Melmaruvathur - 603319, Tamilnadu, India,	Reviewer	12 th & 13 th April 2024.
15.	10 th International Conference on Smart Computing and Communication (ICSCC-2024). ICSCC 2024 is organized by UNDIKNAS University in collaboration with Tecno Scientifica and IEEE Indonesia.	Reviewer	25-27 July 2024

16.	2 nd IEEE International Conference on Contemporary Challenges in Science and its Engineering Applications (IC3SEA-2024) is being organized at Study World College of Engineering, Coimbatore INDIA from in association with IEEE Madras Section.	Reviewer	26-27, July 2024
17.	ANVESHAN-A Half Yearly News Letter (Vol 3, Issue1) ECE Department, Bapatla Engineering College, Bapatla	Associate Editor	July-Dec 2023
18.	ANVESHAN- A Half Yearly News Letter (Vol 3, Issue 2, ECE Department, Bapatla Engineering College, Bapatla	Associate Editor	January –June 2024

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S. No	Name of the Workshop	Place	Month & Year	National or International
1.	Advanced Electromagnetic and application	AUCE, Visakhapatnam	. May 18 th to 21 st , 2007	National
2.	Advances in DSP	Warangal	21 st to 25 th March 2007	National
3.	VLSI Applications in advanced Communication Systems	St Ann's College of Engineering & Technology Chirala	25 th Feb2012	National
4.	National Workshop on Research Methodology	PACE institute of Technology & Sciences, Ongole	28 th & 29 th July2012	National
5.	National Workshop On "Lab workstation and EMC/EMI Measurements"	PVP Siddhartha Institute of Technology, Vijayawada.	2 nd November 2012	National
6.	National Workshop on Awareness of RF Simulation Tools	K L University, Vijayawada	October 30- November 1 st 2014	National
7.	National workshop on Project Proposal Writing	K L University, Vijayawada	January 5 th 2015	National
8.	Faculty Development Program on Design, Simulation, Fabrication and Testing of Microstrip Antennas	B.S.Abdur Rahman University, Chennai	11 th to 15 th May 2015	National
9.	Five-Day Short-Term Training Program on "Practical RF Antenna Design	NIT Warangal	July 6 th to 10 th 2015	National

10.	One-week workshop on Advanced antennas & applications	MVGR Vizianagaram	28 th November to 2 nd December 2017	National
11.	One-day national level workshop on “The art of publishing, writing thesis and project proposal”	KL University, Vijayawada	23 rd April 2016	National
12.	Two-day workshop on signal processing and wireless Networks	Bapatla Engineering College, Bapatla	Dec 21 st and 22 nd 2017	National
13.	Two-day national seminar on small satellite systems (SSS-2018)	Acharya Nagarjuna University, Guntur	20 th -21 st April 2018	National
14.	One day faculty development program on “Methodologies for generating revenue through research with patents & IPR”	Bapatla Engineering College, Bapatla	30 th January 2019	National
15.	Two-day National Seminar on “Space Law and Small Satellite Business”	Acharya Nagarjuna University, Guntur	14 th and 15 th March 2019	National
16.	Two-day workshop on “Wireless Networks using Network Simulator-3”	Bapatla Engineering College, Bapatla	29 th and 30 th March 2019	National
17.	Webinar on “Cutting Edge Technology in Electronics and Communication Engineering”	G Pullaiah College of Engineering and Technology, Kurnool	14 th May-16 th May 2020	National
18.	Webinar on “Patent Filing and Prosecution”	KPR Institute of Engineering and Technology, Avinashi Road, Arasur, Coimbatore	23 rd May 2020	National
19.	Webinar on “VLSI design and job opportunities in semiconductor industry”	Chalapathi Institute of Engineering & Technology, Chalapathi Nagar, Lam, Guntur	26 th May 2020	National
20.	Online Faculty Development Program on “Future Outlooks of Advanced Communication and Signal Processing ”	Bapatla Engineering College, Bapatla	25 th to 29 th May 2020	National
21.	Online FDP on “Microstrip Antenna Design Fundamentals and Practical Implementation of Triple-band antenna for 5G wireless Applications using ANSYS HFSS ”	RISE Krishna Sai Gandhi Group of Institution, NH-16, Valluru, Ongole,	04-06-2020 to 06-06-2020	National;;

22.	Webinar on “How Microstrip Antenna Works”	IEEE- NIT Tiruchirappalli	10-06-2020	National
23.	A National Level Five Day Online Faculty Development Programme on SciLab and NgSpice	Universal College of Engineering and Technology, Guntur in association with spoken tutorial, developed by IIT Bombay	22 nd to 26 th June 2020	National
24.	Webinar on Scope of MEMS Technology for Microwave Engineering	Thiagarajar College of Engineering Madurai (IEEE)	4 th July 2020	National
25.	Webinar on Antenna Systems for satellite, Aircraft and Ground Communications	NIT, Tiruchirappalli	23 rd Aug 2020	National
26.	One Week AICTE sponsored Online Short Term Training Program on “Antenna Design and Analysis Using Mathematical Solvers”	Aditya Institute of Technology and Management (AITAM), Tekkali.	07/09/2020 to 12/09/2020	National
27.	Webinar Live on “Cyber Security Awareness”	Venkateswaraa College of Technology, in association with IETE Students’ Forum (ISF), Orgadam, SVCT Virtual Campus	17/09/2020	National
28.	One week webinar on “Recent Trends in Signal Processing and Communication (RTSPC-20)”	NIT Silchar	10/09/2020 to 14/09/2020	National
29.	AICTE Sponsored 6 Day Short Term Training Program on “Advanced Antenna and RF Technologies for 5G and IoT”	Hindustan Institute of Technology & Science (Deemed to be University), Padur, Kelambakam, Chennai, Tamil Nadu	14.09.2020 to 19.09.2020	National
30.	Online one week Short Term Course on “Antenna and Microwave Fundamentals, Theory, Modeling, Test and Applications for Space, Air and Ground Systems	National Institute of Technology Rourkela (NITR) Sponsored by TEQIP-III	26/09/2020 to 30/09/2020	National
31.	One day Webinar on “Relevance of IP Audit during Research”	BEC	28/09/2020	National

32.	Five Days FDP on “Design of RF devices for 5G Communications & Measuring Instruments” and K.Ramakrishnan College of Technology	Entuple Technologies, Chennai	12/10/2020 to 16/10/2020	National
33.	Online FDP on “Advances in Wireless Communications”	NIT Andhra Pradesh	12/10/2020 to 16/10/2020	National
34.	AICTE Sponsored Online Short Term Training Program (Phase II) On Recent Advancements Of Computational Electromagnetics In Modern Microwave Antennas	Sri Venkateswara College Of Engineering, Chennai	12/10/2020 to 17/10/2020	National
35.	6-Day AICTE Short Term Training Program on “Latest Advancements of Metamaterials in Wireless Applications”	B V Raju Institute of Technology, Vishnupur, Narsapur, Medak, Telangana	12/10/2020 to 17/10/2020	National
36.	AICTE Sponsored STTP “Potential and Challenges for Integrating 5G Networks and IOT Applications in Smart City Environment	Hindusthan College of Engineering and Technology, Coimbatore	19/10/2020 to 24/10/2020	National
37.	AICTE -Sponsored Online Short Term Training Program On “Antenna Design and Analysis Using Mathematical Solvers ”	Aditya Institute of Technology and Management (AITAM), Tekkali	29/10/2020 to 03/11/2020	National
38.	6-Day AICTE Short Term Training Program on “Latest Advancements of Metamaterials in Wireless Applications”	B V Raju Institute of Technology, Vishnupur, Narsapur, Medak, Telangana	23/11/2020 to 28/11/2020	National
39.	AICTE Sponsored STTP “Potential and Challenges for Integrating 5G Networks and IOT Applications in Smart City Environment”	Hindusthan College of Engineering and Technology, Coimbatore	16/11/2020 to 21/11/2020	National
40.	One Week AICTE-ISTE Sponsored Online Induction Programme on “ Millimeter Wave Frequencies”	Gudlavalleru Engineering College, Gudlavalleru, Krishna District, AP	16/11/2020 to 21/11/2020	National
41.	AICTE-ATAL sponsored 5 days Online FDP on “Recent Advancements in Wearable Antenna for Medical Applications”	Karunya Institute of Technology and Sciences, Coimbatore	30/11/2020 to 04/12/2020	National

42.	NEP And Governance Reforms In Autonomous Colleges	RBVRR Women's College, Narayanguda, Hyderabad	13/11/2020	National
43.	Webinar on Engineering Technologies In Pain Management and Anaesthesia	SRU IEEE Student Branch, Andhra Pradesh	19/11/2020	National
44.	AICTE sponsored one-week online STTP on "Current Trends and Emerging Advances in Marine Navigation and Communication"	CBIT, Hyderabad	23/11/2020 to 28/11/2020	National
45.	One week National level Workshop on AI & its Applications	Chalapathi Institute of Engineering and Technology, CIET, Lam, Guntur	23-11-2020 to 27-11-2020	National
46.	AICTE- MHRD Sponsored Online STTP on "Design and Simulation of Miniature Antennas for IoT Applications-DSMAIA-2020	MVGR Vijayaram Nagar campus, Chintalavalasa, Vizianagaram, Andhra Pradesh	23/11/2020 to 28/11/2020	National
47.	Six Days AICTE Sponsored Online Short Term Training Programme (Sttp) Phase-III on "Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas	Sri Venkateswara College of Engineering An Autonomous Institution – Affiliated to Anna University Sriperumbudur Tk	23/11/2020 to 28/11/2020	National
48.	IEEE Workshop On Advanced Antennas For Space & Industrial Applications: Design, Modeling, Hardware and Test	IEEEAPS & MTT-S Kerala	12/12/2020 to 13/12/2020	National
49.	AICTE Sponsored One-Week Short Term Training Program On "Current Trends and Emerging Advances in Marine Navigation and Communication" (Phase 2)	CBIT, Hyderabad	07.12.2020 to 12.12.2020	National
50.	A 5 Day National Level Online AICTE Training And Learning Academy (ATAL) Sponsored Faculty Development Programme On Internet of Things (IoT)	Gudlavalleru Engineering College, AP	07/12/2020 to 11/12/2020	National

51.	6-Day AICTE Short Term Training Program-III on “Latest Advancements of Metamaterials in Wireless Applications”	B V Raju Institute of Technology, Vishnupur, Narsapur, Medak, Telangana	12/12/2020 to 17/12/2020	National
52.	A Three Day FDP on “Recent Trends in Machine Learning”	Bapatla Engineering College, Bapatla	10/12/2020 to 12/12/2020	National
53.	One week Online FDP on “RF Technology for Energy Harvesting, Medical and Commercial Applications”	Sreyas Institute of Engineering and Technology (JNTU-H) Hyderabad	14/12/2020 to 18/12/2020	National
54.	STTP on “Developments in Smart Systems using Nanomaterials” organized for on 17 th & 18 th Dec. 2020.	SSN College of Engineering Chennai	17/12/2020 to 18/12/2020	National
55.	One-day workshop on mWave and THz devices and technology: Latest trends and Future directions, conducted by on December 21, 2020.	IEEE MTT-S Kerala Chapter and IEEE MTT-S SBC IIST, in association with IEEE MTT-S and APS SBC’s of GECB	21/12/2020	National
56.	IEEE Indian Conference on Antennas & Propagation (InCap-2020)	IEEE MTT-S Kerala Chapter	17/12/2020 to 20/12/2020	National
57.	Two-day STTP on “Autonomous Underwater Vehicles and Smart Systems”	Sri Sivasubramaniya Nadar College Of Engineering, Kalavakkam-Chennai, Tamilnadu, India	29/01/2021 to 30/01/2021	National
58.	Seminar on Intelligent Reflecting Surfaces	IEEE ComSoc Bangalore	30/01/2021	National
59.	Webinar on Research Methodology in Social Sciences	S. V. University Tirupati.	05/02/2021 and 06/02/2021	National
60.	National level seminar on Implementation of Educational Policy-2020	JNTUH College of Engineering, Jagtial	31/03/2021	National
61.	AICTE -ISTE Sponsored One Week Online Induction Programme on “Millimeter Frequencies” – Phase II	Gudlalleru Engineering College, AP	16/04/2021 to 22/04/2021	National
62.	Webinar on “Know How BlockChain is Changing your World”	Bapatla Engineering College, Bapatla	24/04/2021	National
63.	National Webinar on Impact of Covid-19 on Hospitality & Tourism Industry in India	Centre for Hospitality & Tourism, BGSB University, Rajouri J&K	17/04/2021	National
64.	6-Day AICTE Short Term Training Program-IV on “Latest Advancements of Metamaterials in Wireless	B V Raju Institute of Technology, Vishnupur, Narsapur, Medak, Telangana	26/04/2021 to 01/05/2021	National

	Applications”			
65.	Learn from Leaders, Learn from Legends(L4) series” Recent Developments Of Advanced Antenna Products For Space And Ground Applications, L4, Papers/Patents And Reflection Of My Career”	IEEE-MTTS Kerala Chapter, IEEE APS & MTT-S IIST and IEEE APS & MTT-S SBC GECBH, Thiruvananthapuram 28 th May 2021	28/05/2021	National
66.	Webinar on 5G-Massive MIMO Antennas and Beam-forming Techniques	Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, Coimbatore.	24/06/2021	National
67.	Two-Day National Level Seminar on Quality Improvement via Accreditation and Ranking	Bapatla Engineering College, Bapatla	28/06/2021 and 29/06/2021	National
68.	Three Day Faculty Development Program (Online) on Research Trends in Deep Learning and Communication Networks	Department of Electronics and Communication Engineering, Bapatla Engineering College, Bapatla	28/06/2021 to 30/06/2021	National
69.	Webinar on Digital Manufacturing 3D Printing- Present & Future	Department of Mechanical Engineering, RMD Sinhgad School of Engineering, Warje, Pune	30/06/2021	National
70.	Online FDP in Association with AICTE in New and Emerging technologies.	Ansys software PVT.LTD.	28/06/2021 to 02/07/2021	National
71.	Webinar on “Smart Antennas for 5G and beyond Communications”	Department of ECE, Dr. Mahalingam College of Engineering and Technology, Pollachi, Coimbatore, Tamil Nadu	02.07.2021	National
72.	Two Days Workshop on IOT	Department of Computer Science and Engineering Chalapathi Institute of Engineering and Technology, CIET, Lam, Guntur	02/07/2021 & 03/07/2021	National
73.	An online webinar on “Physical Design in VLSI”	Department of ECE, Bapatla Engineering	09-07-2021	National

74.	A Webinar on Ansys for High Frequency Electromagnetics and 5G Technology	Department of ECE, College of Engineering Guindy (CEG) Campus Anna University, Chennai	09-07-2021	National
75.	Webinar on "India's Ascent on the 5G Ladder"	Department of ECE, Vignan University, Guntur	09-07-2021	National
76.	FDP (Online) on "Recent Advances for Wireless Communications"	Department of ECE Bapatla Engineering College, Bapatla	27/07/2021 to 31/07/2021	National
77.	FDP (Online) on Recent Trends in Next Generation Communication Technologies	Department of ECE Bapatla Engineering College, Bapatla	16/08/2021 to 20/08/2021	National
78.	Advanced Electromagnetics and Modern Antenna Design Principles	Dept. of Electronics and Communication Engg. SSN College of Engineering Kalavakkam 603110	06/12/21 to 10/12/21	National
79.	One Week FDP On Advancements On Antenna Technologies For Future Applications	Velagapudi Ramakrishna Siddhartha Engineering Colleg, Vijayawada	14/02/2022 To 19/02/2022	National
80.	Online workshop on Device-to-Device Communication in 5G Network for IoT Application	Dept. of Electronics and Communication Engg , NIT Patna	05/03/2022	National
81.	Online workshop on Satellite Communication Antennas & Payloads"(ISCAP)	Custom Microwave Inc. (Cmi),USA in coordination with IEEE Student Branch, NIT Rourkela	09/04/2022 to 10/04/2022	National
82.	L4 series talk On Decision Making and its Impacts	IEEE MTTS Kerala Chapter	13 th May 2022	National
83.	IP Awareness/Training program under National IP Awareness Mission	Bapatla Engineering College	24 th June 2022	National
84.	National Institute of Technical Teachers Training and Research (NITTR), Nano sensors & Devices	Bapatla College of Pharmacy	22/08/2022 to 26/08/2022 (One Week)	National
85.	Outcome Based Education and Examination Reforms" (OBE & ER – 2022)	Internal Quality Assurance Cell (IQAC), Bapatla Engineering College, Bapatla	03 rd – 5 th August 2022	National
86.	IoT based Smart Automation System in Association with (AICTE)	MVGR College of Engineering AICTE and in Association with GSAS Microsystems, Bengaluru	22 nd -27 th August, 2022	National

87.	National Institute of Technical Teachers Training and Research (NITTR), Outcome Based Curriculum Design	Bapatla College of Pharmacy	05/09/2022 to 09/09/2022 (One Week)	National
88.	A Three-Day Online FDP On Applications of Deep Learning Techniques to 5G and Beyond 5G Wireless Communication Technologies	Bapatla Engineering College, ECE Department	19 th to 21 st September 2022	National
89.	Two-Day Workshop on Research Methodologies and Scientific Publishing.	Bapatla Engineering College	28 th -29 th Oct 2022	National
90.	Broadcasting and its Latest Trends	KPR Institute of Engineering and Technology, Coimbatore.	29 th Oct 2022	National
91.	Emerging Trends in Electronics and Computer Engineering	N S Raju Institute of Technology (A), Visakhapatnam, Andhra Pradesh.	27 th to 29 th October 2022.	National
92.	Advancements in Antenna Design Techniques	Sri Sivasubramaniya Nadar College of Engineering Chennai 603 110	05 th – 09 th December 2022.	National
93.	Recent Trends in Internet of Things (IoT) & Communication Engineering	Godavari Institute of Engineering and Technology (A) Rajamahendravaram.	18 th to 23 rd January, 2023	National
94.	Webinar on Strategy for Growth of RF/Microwave-THz Technology & Industry in India	BITS Pilani, Hyderabad	2 nd March 2023	National
95.	Design of High Frequency antennas for real-time applications (DHARA-2023)	GMR Institute of Technology, Rajam	14 th -18 th March-2023	National
96.	Mathematical Modeling for Data Science (6days)	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	19 th to 24 th June, 2023	National
97.	Data Science and Its Applications (3days)	Department of CSE Bapatla Engineering College, Bapatla.	7 th – 9 th August 2023	National
98.	Intellectual Property Rights (IPR) and Patent, Designs Filing Process	Universal College of Engineering and Technology, Guntur	13 th September 2023	National
99.	Antenna Design Technologies for Intelligent Transport System	College of Engineering Guindy, Anna University	25 th to 27 th Sep. 2023	National

100.	One-week online Faculty Development Programme on "AI Enabled AR/VR in Communications & Signal Processing Application"	School of Engineering Department of ECE, Nalla Narasimha Reddy group of Institutions, Hyderabad.	3 rd to 7 th Oct 2023	National
101.	Five Day Online Faculty Development Program (FDP) on Advanced Natural Language Processing	Department of CSE Bapatla Engineering College, Bapatla.	3 rd to 7 th October, 2023	National
102.	Three day online FDP on Emerging Trends in VLSI Device, Circuit and System Design- A Practical Approach	Department of ECE, R.V.R. & J.C. COLLEGE OF ENGINEERING, Guntur, A.P	9th to 11th November, 2023	National
103.	User Awareness Programme on National Digital Library of India(NDLI) and NDLI Club	Bapatla Engineering College, Bapatla	Feb. 9, 2024	National
104.	Webinar on Cyber Hygiene in HEIs	Bapatla Engineering College, Bapatla	April 3, 2024	National
105.	A One Week Faculty Development Program On Impact Of Ai: Robotics, VLSI And Medical Domains	Department of ECE VVIT, Guntur	22 nd April to 27 th April, 2024	National

Awards/recognitions/achievements

S. No.	Name of the Award	Awarding body/Society/Organization	Year
1	Best Research Paper Award	IISc Bangalore	2016
2	Best Research Paper Award	IEEE Hyderabad	2018
3	Young Scientist Award	Innovative Research Developers	2018
4	Reviewer	SCI Journal (International Journal of RF and Microwave Computer-Aided Engineering, John Wiley & Sons Periodicals, Impact factor:1.306	2018
5	Best Young Researcher Award	Global Education	2019
6	Best Research Paper Award	IETE Chennai	2021
7	Best Teacher Award	BEC	2022

Details of project proposals submitted/sanctioned/completed

No.	Title of the Project	Funding body	Submitted/ Completed	Amount	Year/
1.	An Investigation on the role of Metamaterials in Microstrip antennas	UGC Minor Research Project	Completed	2.3 Lakhs	2018
2.	Microstrip antenna DRDO Submitted design using metamaterial for radar applications	DRDO	Submitted	2.5 Lakhs	2019
3.	Miniaturization of microstrip antenna using metamaterial and metasurfaces	ISRO	Submitted	2.5 Lakhs	2019
4.	Advanced microstrip antenna design for 5G wireless applications	SERB	Submitted	5 Lakhs	2019

Student Project/Research Guidance

S. No	Level	Total Number	
1.	UG	Completed:36	Ongoing: 02
2	PG	Completed: 12	Ongoing: 0
3	Ph.D.	Completed: 0	Ongoing:1

Administrative Experience

S.No.	Role	Duration (From – to)
1	Department Internship Committee Member	08/12/2022 to till date
2	Research Coordinator	2019 Jan to July
3	Department BOS Coordinator	2020-2023
4	Training and Placement Coordinator	2014-2016
5	DE Lab In Charge	2012-2022
6	Time-Table In Charge	2015-2017

7	NBA coordinator-B.Tech	2012
8	TEQIP coordinator	2014
9	NBA coordinator-M.Tech	2015
10	BECTAGON Coordinator	2016
11	Associate Editor for ANVESHAN News Letter	July-Dec 2023
12	Associate Editor for ANVESHAN News Letter	January –June 2024
13	BECTAGON-2k23 Innovative Project Expo Coordinator	2023
14	Internship Committee Member	2022
15	BoS coordinator	2021

Research Credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.co.in/citations?user=qZXEsu8AAAAJ&hl=en
SCOPUS	57205686602
Web of Science	Y-2946-2019
Vidwan ID	324165

P Surendrakumar

Dr. P. Surendrakumar

20/07/2024