


# FACULTY PROFILE

Name of the Faculty:	<b>Kakumanu Naga Raju</b> M. Tech, (Ph.D)		
Designation:	<b>Assistant Professor</b>		
Department:	<b>Electronics and Communication Engineering</b>		
Date of Birth:	<b>09/11/1990</b>		
AICTE – ID:			
<b>Education</b>	<ul style="list-style-type: none"> <li>Pursuing Full Time PhD in the stream of Information and Communication Engineering at Anna University, Chennai (Date of Joining- 21/01/2021) (Thesis submitted)</li> <li>Master of Technology (M. Tech) in Communication Engineering and Signal Processing from Acharya Nagarjuna University (RVR&amp;JC College of Engineering) during period 2012-2014. (Marks: 8.55 CGPA)</li> <li>Bachelor of Technology (B. Tech) in ECE from Jawaharlal Nehru Technological University, Kakinada (Chirala Engineering College) during period 2008-2012. (Marks: 67.3%)</li> <li>Intermediate in MPC from Balaji residential college, Nidubrolu, during period 2006-2008. (Marks: 78.7%)</li> <li>SSC from ZP High School, Machavaram, Ponnur mandal, during period 2005-2006. (Marks: 84%)</li> </ul>		
<b>Experience</b>	Teaching: 6 Years	Industry: ____ Years	<b>Total: 9 Years</b>
	Research: 3 Years	Others: ____ Years	
<b>Research Specialization</b>	RF & Microwave antenna design		
<b>Courses taught</b>	<ul style="list-style-type: none"> <li>Antennas and Wave Propagation</li> <li>Advanced Communications Systems</li> <li>Advanced antenna design</li> <li>Advanced radiation systems</li> <li>MIC and RF system design</li>   <li>Data structures Using Python</li> <li>Object Oriented Programming Structure Using Java</li> <li>Data structures Using 'C'</li> <li>Object Oriented Programming Structure Using C++</li> <li>Machine Learning</li> </ul>		

**Research contributions**

**International/national peer reviewed journals**

<b>S. No.</b>	<b>Title of paper</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>pages</b>	<b>Indexing SCI/WoS/ SCOPUS, 1. Google scholar)</b>
1.	Linear Phased Metamaterial incorporated patch antenna array at 28 GHz For 5G Base Stations	Comptes rendus de l'Acad'emie bulgare des Sciences	2024	-	-	SCIE
2.	Linear Phased Metamaterial incorporated Patch antenna array at sub-6 GHz for 5G Base Stations	International journal of electronics	2023			SCIE
3.	Design and performance analysis of miniaturized dual-band micro-strip antenna loaded with double negative meta-materials	Microsystem Technologies	2023	29	7	SCI
4.	A Rectangle Novel Multiband Patch Antenna For Satellite Applications	journal of emerging technology and innovative research	2020	7	2	Google scholar
5.	Mushroom Structure Micro strip Antenna Array for Ku band Applications	journal of emerging technology and innovative research	2020	7	2	Google scholar
6.	Investigations on Radiation Characteristics of Rectangular Microstrip Patch Antenna	IJAEM Journal	2016	5	1	
7.	Computational studies on Rectangular micro strip patch antenna	International journal of Electronics and communications and computer Engineering	2014	5	5	Google scholar

**Books published**

<b>S. No.</b>	<b>Title of the book</b>	<b>Publisher</b>	<b>year</b>
<b>1</b>	<b>NA</b>		

### Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	NA			

### Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1				

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

S.No.	Name of the event	Role	Dates
1	One day seminar on the opportunities for ECE students in USA	Organizer	7/2/2020
2			

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

S.No.	Name of the event	Organized by	Dates
1	Five day Online FDP on Recent advances in Electronics and Communication (RAEC-2023)	Department of ECE of Abacus Institute of Engineering and Management and IEEE ComSoc, Kolkata chapter in association with ISTE west Bengal section and IEI (India)	22-26 August, 2023.
2	A One Week National Level Faculty Development Program on Recent Advances in Electronics and Communication Engineering – An approach through AI & ML”	Department of Electronics and Communication Engineering, Vignan’s Nirula Institute of Technology and Science for Women	21st to 26th August 2023
3	Five day Online FDP on Design of High-frequency Antennas for Real-time Applications (DHARA-2023)	Department of ECE of GMR Institute of Technology, Rajam and the Department of ECE of VR Siddhartha	14-18 March, 2023

		Engineering College, Vijayawada, Andhra Pradesh	
4	One Week Online FDP on Intellectual Property Rights and Patent Filing	Department of Electronics and Communication Engineering, M. Kumarasamy College of Engineering, Karur, Tamilnadu	December 01-07, 2022.
5	One Week FDP on Advances in Wireless and Antenna Technology	Electronics and Communication Engineering, KLE Technological University, Belagavi,	November 07th- 12th, 2022
6	three days Online FDP on “Emerging Trends in Electronics and Computer Engineering	Department of Electronics and Communication Engineering, NSRIT	October 27-29, 2022
7	an interactive session on Awareness about IEEE Society & Talk on Design & Development of Flexible and Wearable Antenna	SKIT-IEEE (MTT) Student Chapter, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	February 11, 2022
8	FDP on Recent Advances in Antennas for Wireless Communications	Bapatla Engineering College, Bapatla	27th july to 31st july 2021
9	Webinar on 5G-Massive MIMO Antennas and Beam-forming Techniques	Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, Coimbatore	25.06.2021.
10	One Week International Workshop on "MIMO and Beamforming Antennas for Wireless and Satellite Applications	IEEE Delhi Section Antenna & Propagation Society (APS) Chapter – Jaipur in association with IEEE Young Professionals Affinity Group, Bangalore Section.	April 26-30, 2021
11	One week online Induction Programme on Millimeter Millimeter	AICTE-ISTE and Department of	16 – 22 March 2021.

	Wave Frequencies	Electronics and Communication Engineering, Gudlavalleru Engineering College	
12	The International Virtual Conference Next Generation Education Technology for Science and Engineering	IETE MP Chapter in association with IEEE MP Subsection, and The Institution of Engineers, India	Feb. 26-27, 2021
13	Live webinar on Future Trends in Fiber Optic Sensors	Department of ECE , Seshu Institute Of Technology	18 <sup>th</sup> January 2021
14	Three days Online Workshop on Design of Microwave Components and Antenna Using CST MWS Tool	Tekiknow Technologies, Chennai, Communication Systems Group of Department of ECE, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Technology, Avadi, Chennai	28-30 December 2020
15	seven days Faculty Development program(FDP) on Advanced Antenna Design Using HFSS	Department of ECE ,Santhiram Engineering College ,Nandyal in collaboration with Vardhaman College of Engineering ,Hyderabad	12-05-2020 to 17-05-2020
16	5-day days Faculty Development program(FDP) on Data Science Using Python	Department of CSE ,in Collaboration with AWECHA and CSI	29 <sup>th</sup> may 2020 to 2 <sup>nd</sup> June 2020
17	one day Faculty Development program (FDP) on Methodologies for generating revenue through research with patents and IPR	Bapatla Engineering College	30th January 2019
18	seven days Faculty Development program(FDP) on Practical RF antenna design	E&ICT Academy, National institute of technology, Warangal at dept. of ECE, Chalapati institute of Engineering &	4th-10th June 2018

		technology	
19	two day workshop on Computer Aided Breast Cancer Detection and Diagnosis with Deep Learning Algorithms	Kongu Engineering College.	19-01-2018 and 20-01-2018
20	Halloween Structured Microstrip MIMO Radiator at 5G sub-6GHz and mm-wave Frequencies.	International Conference on the Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS- 2023) (IEEE), organized by Visvesvaraya National Institute of Technology, Nagpur, India,	5th - 6th April -2023
21	On the Design of Two L-Shaped Millimetre Wave Antenna with Tiny Slots for 5G Applications.	Online National conference on Communications and Computing (NC3-2020) organized by Department of Electronics and Communication Engineering, Bapatla Engineering College	28th- 29th July 2020.
22	On the Notch band Characteristics of CPW Fed Elliptical Slot Antenna	International Conference SCI-2018 on SMART COMPUTING AND INFORMATICS(SCI-2018), organized by PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY	27th and 28th January -2018.

**Awards/recognitions/achievements**

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Department Best Teacher Award	Bapatla Education Society	2020

**Details of project proposals submitted/sanctioned/completed**

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
	NA				

**Consultancy contribution**

<b>S.No.</b>	<b>Year</b>	<b>Amount</b>	<b>Details</b>
<b>1</b>	<b>NA</b>		

**Student Project/research guidance**

<b>S.No</b>	<b>Level</b>	<b>Total number</b>	
<b>1</b>	<b>UG</b>	<b>Completed: 10+</b>	<b>Ongoing:0</b>
<b>2</b>	<b>PG</b>	<b>Completed: 0</b>	<b>Ongoing:0</b>
<b>3</b>	<b>PhD</b>	<b>Completed: 0</b>	<b>Ongoing:0</b>

**Administrative experience**

<b>S.No.</b>	<b>Role</b>	<b>Duration (From – to)</b>
1	Website Coordinator	2015-2020
2	Assistant NAAC Coordinator	2019
3	Department Stock verification Coordinator	2019

**Research credentials**

<b>Index/database</b>	<b>ID/Link</b>
Google Scholar	<a href="https://scholar.google.com/citations?user=Fb-iEr8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Fb-iEr8AAAAJ&amp;hl=en</a>
SCOPUS	
Web of Science	
Vidwan ID	

**Any other relevant information**