


FACULTY PROFILE

Name of the Faculty:		Dr. Jetti Chandrasekhar Rao				
Designation:		Associate Professor				
Department:		ECE				
Date of Birth:		08-06-1985				
AICTE- ID:		1-7367343205				
Education		<ul style="list-style-type: none"> B.Tech. in ECE from JNTUK/Prakasam Engineering College in 2006. M.Tech. in Communications and Signal Processing from Acharya Nagarjuna University/Bapatla Engineering College in 2010. Ph.D. in UWB-MIMO Antennas specialization from Acharya Nagarjuna University in 2019. 				
Experience		Teaching: 14.6 Years	Industry: 1 Year	Total: 15.6 Years		
		Research: 0 Year	Others: 0 Year			
Research Specialization		UWB-MIMO Antennas, 5G Sub 6-GHz Antennas, 5G mmwave Antennas, SIW Antennas, MIMO Communications.				
Courses taught		<ol style="list-style-type: none"> 1. EMFT 2. EMTL 3. AWP 4. ADC 5. ECA 6. DSP 				
Research Contributions						
International/National Peer Reviewed Journal Publications						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/SCOPUS, Google scholar)
1	Design and Analysis of Modified U-Shaped Four Element MIMO Antenna for Dual-Band 5G Millimeter Wave Applications	Micromachines	2023	14(8)	1545	SCI
2	Compact 'Q'-Shaped Connected Ground 4-Element	Progress In Electromagnetics	2023	130	117-126	SCOPUS

	3MIMO Antenna for X-Band Applications	Research C				
3	Fractal Loaded, Novel, and Compact Two-and Eight-Element High Diversity MIMO Antenna for 5G Sub-6 GHz (N77/N78 and N79) and WLAN Applications, Verified with TCM Analysis	Electronics	2023	12(4)	952	SCI
4	Disease prediction using Naive Bayes - Machine learning algorithm	International Journal of Science & Healthcare Research	2021	6(4)	17-22	Google Scholar
5	Ultra-wideband MIMO antenna with Band-notch characteristics at WLAN Band	International Journal of Research and Review	2020	7(10)	369-375	Google Scholar
6	Design and implementation of optimized reversible 4-bit linear feedback shift registers for computing applications	International Journal of Research and Review	2020	7(9)	367-373	Google Scholar
7	Triple Band-Notch UWB Planar Monopole Antenna	International Journal of Recent Technology and Engineering (IJRTE)	2019	8(1)	2641-2645	SCOPUS
8	Compact MIMO antenna with WLAN band notch characteristics for portable UWB systems	Progress In Electromagnetics Research C (PIER C)	Nov 2018	88	1-12	SCOPUS
9	A very compact MIMO antenna with triple band-notch function for portable UWB systems	Progress In Electromagnetics Research C (PIER C)	March 2018	82	13-27	SCOPUS
10	Trident-Shape Strip Loaded Dual Band-Notched UWB MIMO Antenna for Portable Device Applications	AEU-International Journal of Electronics and Communications, Elsevier B.V.	Jan 2018	83	11-21	SCI
11	A compact disc loaded curved elliptical shaped ultra-wideband MIMO antenna	International Journal of Engineering and Technology-UAE	March 2018	7(2.7)	597-601	SCOPUS
12	A circular disk monopole ultra-wide band antenna with triple band-notched characteristics	Journal of Advanced Research in Dynamical and Control Systems	April 2018	10 (5)	1010-1016	SCOPUS
13	A compact CPW-fed ultra-wideband MIMO antenna with band notch characteristic at WLAN band	Journal of Advanced Research in Dynamical and Control Systems-(SCOPUS)	2017	9 (14)	2727-2738	SCOPUS
14	A Wideband Symmetric Square Slotted Microstrip Antenna for Wireless Communications	International Journal of Electrical and Electronic Engineering & Telecommunicatio	April 2017	6 (2)	18-23	Google Scholar

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15	A Compact Ultrawideband Antenna with Band-Notches at WiMAX and WLAN Bands	Journal of Theoretical and Applied Information Technology	May 2017	95 (9)	2088-2095	SCOPUS
16	Compact UWB MIMO Slot Antenna with Defected Ground Structure	ARPN Journal of Engineering and Applied Sciences	Sep. 2016	11 (17)	10487 - 10495	SCOPUS
17	CPW-Fed Compact Ultra-Wideband MIMO Antenna for Portable Devices	Indian Journal of Science and Technology	May 2016	9 (17)	1-9	SCOPUS
18	H-U-E Shaped Slotted Microstrip Antenna for Bandwidth Enhancement	International Journal of Future Generation Communication and Networking	Aug 2014	7 (4)	141-148	Google Scholar
19	A Novel Compact and Wideband Multi U-Slotted Microstrip Antenna	International Journal of Hybrid Information Technology	July 2014	7 (4)	345-352	Google Scholar
20	Performance Analysis of Double Layer Stacked Patch Antenna with Edge Feed	International Journal of Energy Information and Communications	Oct 2013	4 (5)	15-24	Google Scholar
21	Performance Analysis of Slotted Rectangular Patch Antenna using Co-Axial and Strip Line Feed	International Journal of Research in Engineering & Advanced Technology	2013	1 (3)	1-4	Google Scholar
22	An Improved SNR Estimation Approach for OFDM System	International Journal of Engineering Research and Applications	2012	2 (3)	2561-2563	Google Scholar
23	Cost Effective Real Time Embedded Data Acquisition System using ARM Architecture	International Journal of Advances in Science and Technology	2011	3 (6)	54-64	Google Scholar
24	A Robust and Blind Image Watermarking Scheme in Contourlet Domain based on Singular Value Decomposition	International Journal of Advances in Science and Technology	2011	3 (6)	16-26	Google Scholar
25	Analysis of Coaxial Feeding and Strip Line Feeding on the Performance of the Square Patch Antenna	International Journal of Computer Technology and Applications	2011	2 (5)	1352-1356	Google Scholar

International/National Conference Publications

S. No.	Title of paper	Title of the proceedings of the conference	Year & month of publication	Name of Organizing Institution	Name of the publisher
1	Design of Dual Band mm Wave Multiple Input Multiple Output (MIMO) Antenna for Future Wireless Applications	2023 IEEE Wireless Antenna and Microwave Symposium (WAMS)	07-10 June 2023	IEEE	IEEE Explore
2	A Fork Shaped UWB Antenna with WLAN/WiMAX/X-band Rejection Characteristics	IEEE International Conference on Computer Communication and Informatics (ICCCI-2023)	23-25 January 2023	SSIET, Coimbatore & IEEE sponsored	IEEE Xplore
3	A Dual-band U-shaped Microstrip Antenna for 5G mmWave Applications	International conference on Recent Advances in Wireless Communication and Emerging Technologies (RAWCET 2022)	18 th -19 th December 2022	K L University in Association with IEEE & IETE	IoP-JCPS
4	Dual Hop Hybrid FSO/RF System for Backhaul of Small Cells in 5G	International Conference on Advancement in Electronic Systems and Communication Technologies (ICAESCT 2022)	04-05 November 2022.	ANITS, Visakhapatnam	
5	Microstrip Patch Antenna For 5G mmWave Applications	International Conference on Communication, Signal Processing and Computing (ICSPC-2023)	17 th -18 th April 2023	BEC and International Institute of Research in Multidisciplinary-Skill Development Trust	
6	Microstrip Antenna For 5G Sub-6Ghz and X-Band Wireless Communication Applications	IETE CHENCON 2022	May 2022	IETE Chennai	
7	Mutual Coupling Reduction using a Protruded Ground Branch Structure in a Compact UWB Owl-Shaped MIMO Antenna along with a C-Slot Notch Band	National conference on Communications and Computing (NC3-2020)	28th- 29th July 2020	Dept. of ECE, BEC-Bapatla	
8	Design and Implementation of Reversible Linear Feedback Shift Register	National conference on Communications and Computing	28th- 29th July 2020	Dept. of ECE, BEC-Bapatla	

		(NC3-2020)			
9	Implementation of Compact Ultrawideband Antenna with Band-notches at WIMAX and WLAN bands	National Conference on Knowledge Based Inventive Telecommunication Systems (NCKITS-2017)	16-18 March 2017	Dept. of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu	
10	A Wideband Symmetric Square Slotted Microstrip Antenna for Wireless Communications	National Conference (NCETEC-2K17)	20-21 Jan 2017	Dept. of ECE, BEC-Bapatla	
11	CPW-Fed Compact Ultra Wideband MIMO Antenna for Portable Devices	DST sponsored National Conference on Recent Advancements in Electronics, Computers and Bio-Informatics (NCRAECB-2016)	22 nd and 23 rd April 2016	Dept. of ECM, KL University, Vaddeswaram	
12	Double layer Edge feed stacked patch antenna for Bluetooth applications	National Conference (ETEC 2013)	18-19, May 2013	St. Ann's college of Engineering & Technology, Chirala	
13	A Robust and Oblivious Digital Image Watermarking Scheme Based on Contourlet Transform	National Conference (RTCSP-10)	27-28, March 2010	OIS College of Engineering & Technology, Ongole	
14	Image Denoising Methods for Medical Images	National Conference on Emerging Trends in Engineering, Technology and Applied Sciences	12-13, March 2010	MVR College of Engineering and Technology, Paritala	
15	A Robust and Blind Image Watermarking Scheme Based on Contourlet Transform	National Conference (NCSPCS-10)	25-26, February 2010	RVR & JC College of Engineering, Guntur	

BooksPublished

S. No.	Title of the book	Publisher	year
1			

Book ChaptersPublished

S.No.	Title of the Chapter	Book title	Publisher	year
1	UWB-MIMO Antenna with Band-Notched Characteristics for Portable Wireless Systems	Innovations in Ultra-Wideband Technologies	IntechOpen	2020
2	UWB-MIMO Antenna with Band-Notched Characteristic	Planar Antennas: Design and applications	CRC Press-Taylor & Francis Group	2021

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/Granted
1	202341026276 A	A Novel Dual-band Four-Element MIMO Antenna for 5G mmWave N257/N258 AND N262 Band.	05-05-2023	Published
2	202341026280 A	A compact 4-Element U-shaped MIMO Antenna with Slotted Ground for 5G mmWave Wireless Communications.	05-05-2023	Published
3	202341049478 A	A Novel Quad-Element MIMO Antenna with Defected Substrate for 5G Sub-6GHz N77/N78 Band Application	01-09-2023	Published
4	202341049494 A	A Unique Compact Triple-band Single-Element Monopole Patch Antenna for 5G Sub-6GHz Wireless Applications.	01-09-2023	Published

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

S.No.	Name of the event	Role	Dates
1	International Conference on Signal Processing and Communication Engineering Systems (SPACES-15) in Association with IEEE, organized by Signal Processing Group of ECE department (DST-FIST Sponsored Department) K L University	Organizer	2-3 Jan 2015
2	International Conference on Signal Processing and Communication Engineering Systems (SPACES-18) in Association with IEEE, organized by Signal Processing Group of ECE department (DST-FIST Sponsored Department) KLEF.	Organizer	4-5 Jan 2018
3	Techno-Management Festival SAMYAK 2015 and SURABHI 2015	Organizer	2-5 Nov 2015
4	Techno-Management Festival SAMYAK and SURABHI 2016	Organizer	25-27 Feb 2016
5	Techno-Management Festival SAMYAK and SURABHI 2017	Organizer	9-11 Mar 2017
6	Zrotriya'18 National Level Student Technical Fest in ECE department (DST-FIST Sponsored Department) KLEF.	Organizer	2-3 Mar 2018
7	Techno-Management Festival SAMYAK and SURABHI 2018	Organizer	6-8 Oct 2018
8	Techno-Management Festival SAMYAK and SURABHI 2019	Organizer	14-16 Mar 2019
9	Zrotriya'18 National Level Student Technical Fest in ECE department (DST-FIST Sponsored Department) KLEF.	Organizer	25-26 Mar 2019
10	National conference on Communications and Computing (NC3-2020) organized by Department of ECE, Bapatla Engineering College, Bapatla	Coordinator	28-29 July 2020
11	A Five-Day Online FDP On "Recent Advances in Antennas for Wireless Communications" in Department of ECE, Bapatla Engineering College, Bapatla	Convener	27-31 July 2021

12	International Conference on Communications, Signal Processing and Computing (ICCSPC-2023) by Department of ECE, Bapatla Engineering College, Bapatla	Convener	17-18 April 2023
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Details of Short-term Courses Attended

S.No.	Name of the event	Organized by	Dates
1	15-days course on "Radio Wave Propagation" as a part of the 2010 Indo-US Engineering Faculty Leadership Institute	K L University, Vaddeswaram, Guntur dist., A.P, India.	Nov 2010
2	15-days course on "Advanced Signal Processing" as a part of the 2010 Indo-US Engineering Faculty Leadership Institute	K L University, Vaddeswaram, Guntur dist., A.P, India.	March 2011
3	course on "Electromagnetic Theory and Transmission Lines"	Department of ECE, K L University, Vaddeswaram, Guntur dist., A.P, India	Jan 2012
4	one-week hands-on training on NI ELVIS III for ADC lab	KLEF, Vaddeswaram, Guntur dist., A.P, India.	03-12-2018 to 07-12-2018
5	one-week LTC training on ADC lab using myDAQ	NI Systems India Pvt. Ltd and KLEF, Vaddeswaram, Guntur dist., A.P, India	10-12-2018 to 14-12-2018
6	In-house training programme on "NBA Accreditation and SAR Preparation"	NITTTR-Kolkata	21-1-2019 to 25-1-19
7	12-weeks online course on "Antennas"	National Programme on Technology Enhanced Learning (NPTEL)	28-1-19 to 28-4-19
8	8-weeks online course on "Electromagnetic Waves in Guided and Wireless Media"	National Programme on Technology Enhanced Learning (NPTEL)	25-2-19 to 28-4-19
9	online course on "Electromagnetic Field Theory and Transmission Lines"	Udemy	Nov 2022

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

S.No.	Name of the event	Organized by	Dates
1	International Conference on Signal Processing and Communication Engineering Systems (SPACES-15)	Association with IEEE, ECE dept, K L University Vaddeswaram	2-3 January 2015
2	International Conference on Signal Processing and Communication Engineering Systems (SPACES-18)	Association with IEEE, ECE dept, K L University Vaddeswaram	4-5 January 2018
3	One-week international Online FDP on Challenges and Advancements in The Design of IOT, Embedded and VLSI Systems: A Researchers View	Gudlavalleru Engineering College, Gudlavalleru, India.	08th to 13th June 2020
4	One-day international Webinar on "Research Proposal Writing"	CMR Technical Campus, Hyderabad, India	9th June 2020

5	One-week international Online FDP on "Emerging Techniques in Biomedical Instrumentation-ETBI-2021"	MERG Group of ECE department, KLEF Vaddeswaram	28 th June 2021 to 3 rd July 2021
6	IEEE Sponsored 6 Days FDP on "Awareness of Electronic Tools for System Design"	Sri Sairam Institute of Technology, West Tambaram, Chennai	19/12/2022 to 24/12/2022
7	Three-Day Online FDP on "Applications of Deep Learning Techniques to 5G and Beyond 5G Wireless Communication Technologies"	Bapatla Engineering College, Bapatla	19/09/2022 to 21/09/2022
8	AICTE Recognized FDP on "Outcome Based Curriculum Design"	Curriculum Development Centre Department-NITTTR Chandigarh	05/09/2022 to 09/09/2022
9	One-week AICTE sponsored Online FDP on "IoT based Smart Automation System"	GSAS Microsystems, Bengaluru, Organized by MVGR College of Engineering (A), Vizianagaram	22 nd to 27 th August 2022
10	AICTE Recognized FDP on "Nanosensors & Devices"	Applied Science Department-NITTTR Chandigarh	22/08/2022 to 26/08/2022
11	Three-day National Level Online workshop on "Outcome Based Education and Examination Reforms (OBE & ER-2022)"	Internal Quality Assurance Cell (IQAC), Bapatla Engineering College	3 rd to 5 th August 2022
12	One-Week National Level Online FDP on "Trends in Embedded Systems and IoT"	Dept. of ECE, Seshadri Rao Gudlavalleru Engineering College	20 -25 June 2022
13	Five-Day FDP on "Recent Trends in Next Generation Communication Technologies"	Dept. of ECE, Bapatla Engineering College	16th to 20th August 2021
14	Five-Day Online FDP On "Recent Advances in Antennas for Wireless Communications"	Dept. of ECE, Bapatla Engineering College	27th-31st July 2021
15	AICTE-ATAL Online Elementary FDP on "Modern Antenna Technologies for Futuristic Wireless Communication Systems"	Guru Jambheshwar University of Science and Technology, Hisar, Haryana	20/08/2021 to 24/08/2021
16	Three Day FDP (Online) on "Research Trends in Deep Learning and Communication Networks"	Dept. of ECE, Bapatla Engineering College	28th to 30th June 2021
17	AICTE Sponsored One Week online workshop on "Inculcating Universal Human Values in Technical Education"	AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi	23-27, July 2020
18	One-week national Online FDP on "Recent advances in antennas and applications (RAAA)"	Dept. of ECE, KLEF in association with IETE, Vijayawada center, India	14th to 18th July 2020
19	AICTE Sponsored One Week National Level Online STTP 1 on "Trends and Challenges in Design and Implementation of Reconfigurable Antennas for Increased Spectrum Access in Cognitive Radio"	Dept. of ECE, Velagapudi RamaKrishna Siddhartha Engineering College, Vijayawada	20 -25 July 2020

	Communication”		
20	One-week AICTE-MHRD sponsored Online STTP on “Design and simulation of miniature antenna for IoT applications”	MVGR College of Engineering (A), Vizianagaram	29th June 2020 to 4th July 2020
21	One-day Webinar on “Antenna”	APSSDC, India	12th July 2020
22	Webinar on “Antennas in Biomedical Applications and MIMO Technology”	Dept. of ECE, Jyothi Engineering College, Thrissur & IEI(ECE) Students Chapter, India	24 June 2020
23	One-week national Online FDP on “Re-Think and Re-Design of Curriculum, Teaching Methods and Mode of Teaching in Post COVID Scenario”	Acharya Nagarjuna University, Guntur, India	19th to 23rd June 2020
24	One-week Online FDP on “RF Design/VNA & Its Applications”	Entuple Technologies & Anritsu, India	16th to 18th June 2020
25	One-day Webinar on “How Microstrip Antenna Works”	IEEE Student Branch-Nit Tiruchirappalli, India	10th June 2020
26	One-week Online FDP on “Recent Trends and Research Areas in Applied VLSI and Advanced Communications”	VVIT, Nambur, India	08th to 12th June 2020
27	Two-day Webinar on “EM Simulation of RF Modules & Antennas Using CST Studio Suite”	Delhi Technological University, India	8th to 9th June 2020
28	One-day Webinar on “Build Your Own Regression Model in Machine Learning”	Pantech & MLR Institute of Technology, India	6th June 2020
29	One-week national level Online FDP on “Emerging Trends in Electronics & Communication Engineering”	Nalla Malla Reddy Engineering College, Hyderabad, India	05th to 10th June 2020
30	One-day Webinar on “Applying Convolutional Neural Networks-A Deep Learning”	Pantech & Kalasalingam Institute of Technology, India	02nd June 2020
31	One-day Webinar on “Intellectual Property Rights and their Importance”	K L University, Andhra Pradesh, India	02nd June 2020
32	One-day Webinar on “5G Technology and its Applications”	Sri Vasavi Institute of Engg. & Technology, Nandamuru, India	28th May 2020
33	5-day Online FDP on “Artificial Intelligence”	Vignana Bharathi Engineering College, Hyderabad, India	22nd to 26th May 2020
34	5-day Online FDP on “Artificial Intelligence”	CMR Engineering College, Hyderabad, India	22nd to 26th May 2020
35	Webinar series on “Modern Antennas for Wireless Systems”	Shri Ramdeobaba College of Engineering and Management, Nagpur, India	22nd to 24th May 2020
36	One-day Webinar on “Present & Future Trends in IOT”	Swarnandhra College of Engineering And Technology,	20th May 2020

		Narsapur, India	
37	5-day Online FDP on "Universal Human Values and Professional Ethics"	Chebrolu Engineering College, Chebrolu, Guntur dist., A.P, India	13th to 17th May 2020
38	Online National conference on Communications and Computing (NC3-2020)	Dept. of ECE, Bapatla Engineering College	28th- 29th July 2020
39	One-day seminar on "Practical Electrocardiography"	Acharya Nagarjuna University, Guntur, AP, India	22-10-2018
40	"Faculty Skill Enhancement Program Level 1"	Academic Staff College, K L University, Vaddeswaram	17th, 24th and 31st Aug. 2017
41	One-day Workshop on "Dreams or Goals: A Reality Check"	Academic Staff College, K L University, Vaddeswaram	13th July 2017
42	National Workshop on "Advancements in Microwave Technologies for Millimetric Wave Applications"	Dept. of ECE, K L University Vaddeswaram	2-3 March 2017
43	Workshop on "Practical RF Antenna Design"	Dept. of ECE, NIT Warangal	6-10 July 2015
44	National Workshop on "Awareness of RF Simulation tools"	Ministry of Science and Technology, Government of India and organized Dept. of ECE, K L University Vaddeswaram	31st Oct 2014 and 1st Nov 2014
45	One Day Workshop on "Research Methodologies in Electromagnetics"	ECE department, VVIT, Nambur	06th January 2014
46	One Day Workshop on "RF Systems Design & Testing"	ROHDE & SCHWARZ, Dept. of ECE, K L University, Vaddeswaram	19th December 2011
47	One Day "Faculty Development Workshop"	MCA dept., K L University, Vaddeswaram	27 th Nov 2010

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Best teacher	BEC, Bapatla	2023
2	Editor for the book series "Futuristic Trends in Network and Communication Technologies"	IIP Proceedings	2023
3	Editorial Board Member	International Journal of Science, Technology and Society (Print ISSN 2330-7412), Science Publishing Group	2021-23
4	Resource Person for Online Workshop on "Design of Microstrip Patch Antenna using HFSS"	BECW, Bapatla	19th - 20th June 2020

Details of Project Proposals Submitted/Sanctioned/Completed

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

Consultancy Contribution

S.No.	Year	Amount	Details
1			

Student Project/Research Guidance

S.No	Level	Total number
1	UG	Completed: 24 Ongoing: 2
2	PG	Completed: 2 Ongoing: 0
3	Ph.D	Completed: 0 Ongoing: 1

Administrative Experience

S.No.	Role	Duration (From – to)
1		

Research Credentials

Index/database	ID/Link
Google Scholar	5hRLQZsAAAAJ
SCOPUS	57201488992
Web of Science	R-5699-2018
Vidwan ID	323883
ORCID	0000-0002-9108-8049

Reviewer for the Journals

1. IEEE Access
2. Progress In Electromagnetic Research (PIER)
3. Springer Nature

Any other relevant information

(Name)

(Date)