

Center for Applied Research in Electromagnetics (CARE)

KLEF, Vaddeswaram, AP, India

The Center for Applied Electromagnetics Research and Development (R&D Center) is a hub dedicated to advancing the field of electromagnetics through innovative research, development, and collaboration. Situated at the forefront of technology, our center focuses on the practical application of electromagnetics across various domains, including telecommunications, aerospace, automotive, healthcare, and beyond.

Salient Features:-

- Interdisciplinary Research
- Cutting-Edge Technology
- Industry Collaboration
- Academic Partnerships
- Education and Training
- Publications and Conferences
- Innovation and Patents
- Consultancy Services
- Collaborative Projects

Mission and Objectives:

Our mission is to foster cutting-edge research and development initiatives that push the boundaries of electromagnetics, leading to breakthrough solutions and technologies. We aim to:

Conduct pioneering research to address real-world challenges in electromagnetics.

Develop novel techniques, methodologies, and technologies to enhance electromagnetic systems' performance.

Collaborate with industry partners, academia, and government agencies to accelerate innovation and technology transfer.

Educate and train the next generation of experts in electromagnetics through mentorship, training programs, and academic partnerships.

Areas of Focus:

The R&D Center specializes in a wide range of electromagnetics-related areas, including:

Antenna Design and Optimization: Developing high-performance antennas for various applications, such as wireless communication, radar systems, and satellite communication.

Electromagnetic Compatibility (EMC) and Interference Mitigation: Investigating techniques to ensure the coexistence and compatibility of electronic devices in complex electromagnetic environments.

Microwave and RF Circuit Design: Designing circuits and systems operating at microwave and radio frequencies for telecommunications, radar, and sensing applications.

Computational Electromagnetics: Utilizing advanced numerical methods and simulation tools for the analysis and design of electromagnetic structures and devices.

Electromagnetic Materials and Metamaterials: Exploring novel materials and metamaterial structures with unique electromagnetic properties for applications ranging from stealth technology to energy harvesting.

Collaboration and Partnerships:

The R&D Center actively collaborates with industry partners, research institutions, and government agencies to leverage expertise and resources. Through strategic partnerships, we aim to accelerate technology development, facilitate knowledge exchange, and address complex challenges collaboratively.

Facilities and Resources:

Our center is equipped with state-of-the-art laboratories, simulation tools, and computational resources to support research and development activities. Researchers have access to specialized equipment for antenna measurements, RF characterization, electromagnetic simulation software, and high-performance computing clusters.

Impact and Innovation:

The work conducted at the R&D Center has a tangible impact on various industries, contributing to advancements in telecommunications, aerospace, healthcare, and other sectors. Our innovative solutions and technologies enhance system performance, reliability, and efficiency, driving progress and economic growth.

In conclusion, the Center for Applied Electromagnetics Research and Development (R&D Center) is committed to advancing the field of electromagnetics through pioneering research, collaboration, and innovation. By pushing the boundaries of knowledge and technology, we strive to address current and future challenges, driving positive change and making a lasting impact on society.



Center for Applied Research in Electromagnetics (CARE)



Signal Analyser (10KHz to 7GHz)



Spectrum Analyser



Signal Generator

Faculty Members:

Dr. K Sarat Kumar, Dr. K Ch Kavya, Dr. NVK Ramesh, Dr. K Sony. Dr. P Syam Sundar, Dr. John Philip, Dr. Aravind

List of Publications:-

S.No	Authors	Title	Year	Source title
1	K. S.; Anantha Lakshmi Y.; Pravallika C.; Mahamuda S.; venkateswarulu M.; Rao A.S.; Kotamraju S.K.; Sri Kavya K.C.	Investigation of radiation shielding and optical properties of neodymium doped Bismuth Boro tellurite glasses for solid state device applications	2024	Journal of Luminescence
2	Maddikera K.R.; Kotamraju S.K.; Kavya K.C.S.	Seasonal Rainfall Analysis of Vertically Pointing FMCW Micro Rain Radar	2023	SN Computer Science
3	Maddikera K.R.; Kotamraju S.K.; Kavya K.Ch.S.; Gande B.G.T.	Radar Reflectivity of Micro Rain Radar (MRR2) At 16.44180N, 80.620E of India	2022	International Journal of Integrated Engineering
4	Kanakaraja P.; Kotamraju S.K.; Kavya K.C.S.	Fusion of Information in Indoor Localization Techniques	2022	Journal of Mobile Multimedia
5	Nadipalli L.S.P.S.; Kotamraju S.K.; Kanakaraja P.; Aswin Kumer S.V.; Sri Kavya K.C.	A Intelligence Approach of Analog to Digital Converter using Software Defined Radio Technique	2022	International Journal of Intelligent Systems and Applications in Engineering
6	Kanakaraja P.; Kotamraju S.K.; Nagulmeera S.; Reddy Y.D.; Divya A.	LoRA based Indoor Localization using LPWAN Gateway and BLE Beacons	2022	Proceedings of the International Conference on Electronics and Renewable Systems, ICEARS 2022
7	Sony K.; Kotamraju S.K.; Ch Sri Kavya K.	Propagation of Data Using Free Space Under Different Weather Conditions	2022	Lecture Notes in Electrical Engineering
8	Aswin Kumer S.V.; Kanakaraja P.; Sairam Nadipalli L.S.P.; Ramesh N.V.K.; Kotamraju S.K.	The Categorization of Artificial Intelligence (AI) Based on the Autonomous Vehicles and Its Other Applications	2021	Lecture Notes in Networks and Systems
9	Sundar P.S.; Kanakaraja P.; Kotamraju S.K.; Kavya K.C.S.; Suresh N.; Ahammad S.H.	Security and Vulnerabilities in LPWAN Systems for Advanced IoT Devices	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
10	Mohan C.L.; Kavya K.C.S.; Kotamraju S.K.	Design, and Analysis of Capacitive Shunt RF MEMS Switch for Reconfigurable Antenna	2021	Transactions on Electrical and Electronic Materials
11	Kanakaraja P.; Kotamraju S.K.; Nadipalli L.S.P.S.; Kumer S.V.A.; Sri Kavya K.C.	Localization Algorithms and Approaches for Navigation in Advanced IoT Applications	2021	Lecture Notes in Networks and Systems
12	Tirumani V.H.L.; Tenneti M.; Ch. Srikavya K.; Kotamraju S.K.	Image resolution and contrast enhancement with optimal brightness compensation using wavelet transforms and	2021	IET Image Processing

		particle swarm optimization		
13	Kanakaraja P.; Upadhyay S.; Kotamraju S.K.; Venkata Sai Suneela G.; Neelesh R.	Design and Implementation of Smart Energy Meter using LoRa-WAN and IoT Applications	2021	Journal of Physics: Conference Series
14	Kanakaraja P.; Kotamraju S.K.; Nadipalli L.S.P.S.; Kumer S.V.A.; Sri Kavya K.C.	Indoor and Outdoor Localization Methods for Advanced Navigation Systems	2021	Lecture Notes in Networks and Systems
15	Sundar P.S.; Ch S.K.K.; Ramadevi I.; Kotamraju S.K.; Madhav B.T.P.; Ahammad S.H.	AMC backed Hysteresis Shaped Monopole Antenna for Wi-Fi, WiMAX, and IoT Applications	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
16	Babu K.T.; Kavya K.C.S.; Kotamraju S.K.; Tilak G.B.G.	Analysis of CSRR Based Circular Patch Monopole Antenna for Ku-band Satellite Communication Applications, C-band and X- band Applications	2021	Journal of Nano- and Electronic Physics
17	Ahuja V.K.; Kotamraju S.K.; Kavya K.C.S.; Dangi M.; Ahammad S.H.	Implementation of an Energy Efficient Framework for Air Quality Monitoring in the Cremation Center based on Improved chacha20 Stream Cipher for Secure Data Transmission	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
18	Sairam Nadipalli L.S.P.; Sai Vijay D.; Praveen K.; Tarun B.R.; Kotamraju S.K.	An IoT based Solution to Prevent the Spreading of COVID-19 by Contactless Temperature Sensing and Social Distance Alerting System	2021	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
19	Kanakaraja P.; Aswin Kumer S.V.; Kotamraju S.K.; Jhansi Lakshmi M.; Irfan S.; Chandra Lekha U.	Environment quality monitoring system based on cloud computing analysis	2020	Materials Today: Proceedings
20	Sri Kavya K.C.; Venkatesh K.; Punith M.R.; Sireesha P.; Kotamraju S.K.	Humidity and moisture monitoring system for food logistics	2020	International Journal of Scientific and Technology Research
21	Gandhi S.G.; Govardhani I.; Kotamraju S.K.; Kavya K.C.S.; Prathyusha D.; Rao K.S.; Sravani K.G.	Improve the Performance of a Novel Capacitive Shunt RF MEMS Switch by Beam and Dielectric Materials	2020	Transactions on Electrical and Electronic Materials

22	Tej R.; Kavya K.C.S.; Kotamraju S.K.	Synthesis of phased array antenna for side lobe level reduction using the differential evolution algorithm	2020	International Journal of Speech Technology
23	Tilak G.B.G.; Kotamraju S.K.; Madhav B.T.P.; Kavya K.C.S.; Rao M.V.	AMC backed circularly polarized dual band antenna for Wi-Fi and WLAN applications	2020	Journal of Electrical Engineering
24	Tilak G.B.G.; Kotamraju S.K.; Madhav B.T.P.; Sri Kavya K.Ch.; Venkateswara Rao M.	Dual sensed high gain heart shaped monopole antenna with planar artificial magnetic conductor	2020	Journal of Engineering Science and Technology
25	Ravi Tej D.; Sri Kavya Ch K.; Kotamraju S.K.	An improved peak side lobe reduction method for linear array antenna for military applications	2020	International Journal of Intelligent Computing and Cybernetics
26	Sahithi K.; Sridhar M.; Kotamraju S.K.; Kavya K.C.S.; Sivavaraprasad G.; Ratnam D.V.; Deepthi C.	Characteristics of ionospheric scintillation climatology over Indian low-latitude region during the 24th solar maximum period	2019	Geodesy and Geodynamics
27	Kalyan S.S.S.; Sri Kavya K.C.; Kotamraju S.K.; Nethan P.	Design and analysis of Ku/Ka multiband frequency reconfigurable antenna using varactors	2019	International Journal of Recent Technology and Engineering
28	Kumar M.R.; Sridhar M.; Dharani Kumar V.V.D.; Kotamraju S.K.; Ratnam D.V.	Correlation analysis of ionospheric total electron content (TEC) and tide data observed at Port Blair, India during 2013-2016	2019	International Journal of Recent Technology and Engineering
29	Maddikera K.R.; Kotamraju S.K.; Sri Kavya K.C.; Kalyan S.S.S.; Tilakgande B.G.	Estimation of melting layer and propagation impairments using micro rain radar data at coastal location of Andhra Pradesh	2019	International Journal of Engineering and Advanced Technology
30	Kilaru A.; Kotamraju S.K.; Avlonitis N.; Sri Kavya K.C.	Vertical structure observations of precipitation using micro rain radar over Indian region	2019	International Journal of Innovative Technology and Exploring Engineering
31	Anil Kumar T.; Usha Devi Y.; Madhav B.T.P.; Kotamraju S.K.; Rajesh V.	High gain flexible liquid crystal polymer based 8-element printed antenna for millimetric wave applications	2019	International Journal of RF and Microwave Computer-Aided Engineering
32	Teja Babu K.; Syam Sundar P.; Madhav B.T.P.; Prudhvi Nadh B.; Kotamraju S.K.	Dual notch UWB monopole antenna with u-shaped slots	2019	ARPJ Journal of Engineering and Applied Sciences
33	Ravi Tej D.; Sri Kavya K.C.; Kotamraju S.K.	Design of 21 GHz 1Å—16 linear array for mm-	2019	Journal of Computational and Theoretical Nanoscience

		waveradar applications		
34	Suneela B.; Krishna Rao E.V.; Kotamaraju S.K.; Sri Kavya K.C.H.	Multi User-Multiple Input Multiple Output detector capacity enhancement by resource allocation in transmission of physical layer network	2019	Journal of Computational and Theoretical Nanoscience
35	Sri Kavya K.C.; Kotamaraju S.K.; Sreevalli M.; Priyamvada M.P.; Ravi Teja K.; Asma M.	Design and optimization of array antennas using artificial intelligence	2019	International Journal of Innovative Technology and Exploring Engineering
36	Tilak G.B.G.; Kotamaraju S.K.; Madhav B.T.P.; Sri Kavya C.; Venkateswara Rao M.	Broken heart shaped monopole antenna for WiMAX applications	2019	International Journal of Recent Technology and Engineering
37	Kotamaraju S.K.; Korada C.S.K.	Precipitation and other propagation impairments effects at microwave and millimeter wave bands: a mini survey	2019	Acta Geophysica
38	Kalyan S.S.S.; Sri Kavya K.C.; Kotamaraju S.K.	Hybrid beamsteering of Ka-band array-fed reflector antenna for satellite communication links	2018	International Journal of Simulation: Systems, Science and Technology
39	John Philip B.; Kotamaraju S.K.; Kavya C.S.	Modification of ITU-R parameters to improve the prediction of tropospheric scintillation for tropical regions	2018	International Journal of Engineering and Technology(UAE)
40	Suneela B.; Krishna Rao E.V.; Kotamaraju S.K.; Srikavya K.C.	Performance assessment of MB-MF-SIC detector using space time block codes	2018	International Journal of Simulation: Systems, Science and Technology
41	Siddhanth Sahu N.; Mohith B.; Nikhil G.; Sri Kavya K.C.; Kotamaraju S.K.	Design of frequency reconfigurable antenna working in ka band	2018	International Journal of Engineering and Technology(UAE)
42	Harika S.; Nagarjuna S.; Naveen T.V.; Sanjay Harshanth G.; Kavya K.C.S.; Kotamaraju S.K.	Analysis of rain fade mitigation using site diversity technique in southern tropical region of India	2018	International Journal of Engineering and Technology(UAE)
43	Madhav B.T.P.; Anilkumar T.; Kotamaraju S.K.	Transparent and conformal wheel-shaped fractal antenna for vehicular communication applications	2018	AEU - International Journal of Electronics and Communications
44	Velaga S.; Korrapati J.; Chaithanya Krishna B.; Matti V.; Sri Kavya K.C.; Kotamaraju S.K.	Spectral characteristics of satellite links at ka band in the southern tropical region of India	2018	International Journal of Engineering and Technology(UAE)

45	Suneela B.; Krishna Rao E.V.K.; Kotamaraju S.K.; Sri Kavya K.C.H.	Performance improvement of MB-MF-SIC detector system using Nakagami-m fading channel	2018	Journal of Advanced Research in Dynamical and Control Systems
46	Choudhury S.; Kalyani V.; Sai Teja R.; Sreenivasan P.; Kotamraju S.K.; Sri Kavya K.C.	A comparative analysis of rectangular cut edge patch antenna on various substrate	2018	International Journal of Engineering and Technology(UAE)
47	Vineetha K.V.; Sravani K.G.; Sailaja B.V.S.; Kumar P.A.; Guha K.; Kotamraju S.K.; Prabhakar V.S.V.; Rao K.S.	Performance analysis of MEMS sensor for the detection of cholera and diarrhea	2018	Microsystem Technologies
48	Suneela B.; Krishna Rao E.V.K.; Kotamaraju S.K.; Sri Kavya K.C.H.	Performance of capacity improvement in Mb-Mf-Sic detector using resource allocation approach	2018	Journal of Advanced Research in Dynamical and Control Systems
49	Immadi G.; Venkata Narayana M.; Kotamraju S.K.; Sree Madhuri A.	Estimating the Performance of Free Space Optical Link Under Adverse Weather Conditions by Using Various Models	2018	Wireless Personal Communications
50	Kalyan S.; Sri Kavya K.C.; Kotamraju S.K.	A reconfigurable beam steering linear phased array antenna for Ku band satellite communication using graphing method	2017	Journal of Advanced Research in Dynamical and Control Systems
51	Tej D.R.; Sri Kavya K.Ch.; Kotamraju S.K.	Development of phased array antenna for c-band applications using HFSS	2017	Ponte
52	Kalyan S.S.S.; Kotamraju S.K.; Kavya K.C.S.	Comparative analysis of dual band elevated antenna on a silicon base	2017	AMTA 2016 Proceedings
53	Sundar P.S.; Krishna T.V.R.; Kumar K.S.; Naik K.K.	A CPW-Fed slotted monopole antenna for X-band applications	2017	INCEMIC 2015 - 13th International Conference on Electromagnetic Interference and Compatibility, Proceedings
54	John Philip B.; Kotamraju S.K.; Sri Kavya K.C.; Madhumitha R.; Pavan Kumar A.	Performance evaluation of attenuation time series generators over Indian region	2017	Journal of Advanced Research in Dynamical and Control Systems
55	Immadi G.; Venkata Narayana M.; Kotamraju S.K.; Sarvani T.S.S.P.; Manasa T.; Vamsi Yaswant C.H.; Akshaya Kalyan J.	Computation of attenuation due to rain for Ku band frequencies using DSD for the tropical region	2017	Journal of Theoretical and Applied Information Technology
56	Devika S.V.; Karki K.; Kotamraju S.K.; Sri Kavya K.C.; Rahman	A new computation method for pointing accuracy of cassegrain antenna in	2017	Journal of Theoretical and Applied Information Technology

	M.Z.U.	satellite communication		
57	Kavya K.C.S.; Kotamraju S.K.; Naveen Kumar B.; Mounika M.D.N.S.; Singh S.; Sidda A.	Beam pointing accuracy of phased arrays for satellite communication	2017	Journal of Theoretical and Applied Information Technology
58	Govardhani.Immadi; Narayana M.V.; Kotamraju S.K.; Kavya K.C.S.; Maneesha S.V.N.S.; Ravali K.; Sravani C.	Computation of effects of troposphere on ku band down link signal in tropical regions	2017	Journal of Theoretical and Applied Information Technology
59	Kavya K.C.S.; Kotamraju S.K.; Charan B.S.S.S.D.; Phanindra K.; Srinivas B.; Narendra Kumar N.	Statistical analysis of propagation parameters for fade mitigation	2017	Journal of Theoretical and Applied Information Technology
60	Suneela B.; Krishna Rao E.V.; Sri Kavya K.; Kotamraju S.K.	An efficient method to increase the network throughput using interference cancellation approach	2017	Journal of Advanced Research in Dynamical and Control Systems
61	Philip B.J.; Kumar K.S.; Sri Kavya K.C.; Susmitha C.; Rao C.N.; Vasu S.; Madhulika A.	Comparison of different rain attenuation prediction models at Visakhapatnam and Hyderabad regions	2017	Journal of Advanced Research in Dynamical and Control Systems
62	Ramesh N.V.K.; Kotamraju S.K.; Venkata Ratnam D.; Suresh N.	Wavelet based mobile location estimation using RSS measurements	2016	ARPN Journal of Engineering and Applied Sciences
63	Madhav B.T.P.; Khan H.; Kotamraju S.K.	Circularly polarized slotted aperture antenna with coplanar waveguide fed for broadband applications	2016	Journal of Engineering Science and Technology
64	Sundar P.S.; Kotamraju S.K.; Madhav B.T.P.; Sreehari M.; Rao K.R.; Prathyusha L.; Pravallika Y.	Parasitic strip loaded dual band notch circular monopole antenna with defected ground structure	2016	International Journal of Electrical and Computer Engineering
65	Devika S.V.; Kotamraju S.K.; Sri Kavy K.C.; Sudheer Kumar V.; Suhas K.; Vinu K.; Anudeep B.	A circularly polarized Ka- band antenna for continuous link reception from GSAT-14	2016	Indian Journal of Science and Technology
66	Kilaru A.; Kotamraju S.K.; Avlonitis N.; Sri Kavya K.	Rain rate intensity model for communication link design across the Indian region	2016	Journal of Atmospheric and Solar-Terrestrial Physics

67	Reddiah Babu M.V.; Kotamraju S.K.; Madhav B.T.P.; Mohan Reddy S.S.; Krishna G.V.; Giridhar M.V.; Sai Krishna V.	Compact serrated notch band MIMO antenna for UWB applications	2016	ARPN Journal of Engineering and Applied Sciences
68	Syam Sundar P.; Kotamraju S.K.; Madhav B.T.P.; Sri Vishnu Sairam S.; Srinivas A.; Neelima K.; Sravanthi G.	Radial stub loaded antenna with tapered defected ground structure	2016	ARPN Journal of Engineering and Applied Sciences
69	Kishore K.V.; Rajesh G.S.; Kumar V.; Srinivasulu P.; Kavya K.C.S.; Kotamraju S.K.	Design and simulation of 8- way unequal amplitude equal phase RF feeder network using conventional microstrip technology for 430MHz Tropospheric wind profiling radar	2015	International Conference on Signal Processing and Communication Engineering Systems - Proceedings of SPACES 2015, in Association with IEEE
70	Jharesh A.; Sri Kavya K.C.; Kotamraju S.K.	Design and simulation of cylindrical and sheet corner reflector yagi UDA antennas for amateur radio application	2015	ARPN Journal of Engineering and Applied Sciences
71	Immadi G.; Kotamraju S.K.; Venkata Narayana M.; Khan H.; Sree Madhuri A.; Sravya Chowdary K.; Vineela P.	Measurement of tropospheric scintillation using KU band satellite beacon data in tropical region	2015	ARPN Journal of Engineering and Applied Sciences
72	Immadi G.; Kotamraju S.K.; Venkata Narayana M.; Rajkamal K.; Habibulla K.; Viswanath G.; Avinash I.	Measurement of rain attenuation for KU band satellite signal in tropical environment using DAH, sam models	2015	ARPN Journal of Engineering and Applied Sciences
73	Sunder P.S.; Kotamraju S.K.; Ramakrishna T.V.; Madhav B.T.P.; Sruthi T.S.; Vivek P.; Kumar J.J.; Dileep M.	Novel miniaturized wide band annular slot monopole antenna	2015	Far East Journal of Electronics and Communications
74	Kilaru A.; Avlonitis N.; Kotamraju S.K.; Otung I.	Rain integration time and percentage probability of rain in Indian subcontinent for satellite communications	2014	2014 International Conference on Electronics and Communication Systems, ICECS 2014
75	Immadi G.; Kotamraju S.K.; Khan H.; Narayana M.V.; Hemavasavi K.; Pooja Naga Sai K.; Sirisha N.	Estimation of Ku band satellite signal propagation impairment due to rain in tropical environment using ITU-R	2014	International Journal of Applied Engineering Research

76	Sri Kavya K.C.; Kotamraju S.K.; Supriya Adhanki N.V.L.; Chakka R.S.; Chinnam N.P.K.	Unlocking the phase locked loop for radar applications	2014	International Journal of Applied Engineering Research
77	Daya Murali S.; Sri Kavva K.C.; Kotamraju S.K.; Sai Divya R.; Satish Y.; Pradeep Chandra K.; Sri Keerthi N.; Jaya Sree G.	Size reduction of Yagi-Uda antenna by altering the diameter and spacing between the elements	2014	International Journal of Applied Engineering Research
78	Sri Kavva K.C.; Kotamraju S.K.; Sukumar S.	Comparative analysis of slim jim antenna for ham radio applications	2014	ARPJ Journal of Engineering and Applied Sciences
79	Immadi G.; Kotamraju S.K.; Khan H.; Venkata Narayana M.; Jaya Krishna Pooja M.	Implementation of data logging as a part of propagation impairment studies of ku band satellite signal with the establishment of low cost experimental setup	2014	International Journal of Applied Engineering Research
80	Immadi G.; Kotamraju S.K.; Khan H.; Narayana M.V.	Rain rate-radar reflectivity relationship for drop size distribution and rain attenuation calculation of ku band signals	2014	International Journal of Engineering and Technology
81	Govardhani I.; Kotamraju S.K.; Khan H.; Venkata Narayana M.; Hemavasavi K.; Naga Sai K.P.; Sirisha N.	Estimation of Ku band satellite signal propagation impairment due to rain in tropical environment using ITU-R	2014	International Journal of Applied Engineering Research
82	Jhansi Rani A.; Sri Kavva K.C.; Kotamraju S.K.; Sree Teja G.; Snigdha K.	Real time signal analysis for modeling the performance of UHF/VHF transceivers	2014	International Journal of Applied Engineering Research
83	Madhav B.T.P.; Kotamraju S.K.; Manikanta P.; Narendra K.; Kishore M.R.; Kiran G.	Tapered step CPW-fed antenna for wideband applications	2014	ARPJ Journal of Engineering and Applied Sciences
84	Kotamaraju S.K.; Madhav B.T.P.; Anjaneyulu B.; Ananda Rao N.; Vardan K.V.	Coaxial fed rotated stacked patch antenna	2013	International Journal of Applied Engineering Research
85	Venkata Narayana M.; Govardhani I.; Kotamraju S.K.; Khan H.; Bala A.; Saleem Pasha M.; Ashok Reddy A.; Jeevan Babu K.	Dual band micro strip C slot reflect array antenna for wireless applications	2013	International Journal of Applied Engineering Research

86	Kavya K.C.S.; Kotamraju S.K.; Khan H.	Calibration of linear array antenna using restoration technique with near-field compressed sensing	2013	2013 7th European Conference on Antennas and Propagation, EuCAP 2013
87	Madhav B.T.P.; Sundar P.S.; Kumar K.S.; Kishore A.N.V.; Jain A.K.	Liquid crystal polymer dual band pan slot antenna	2012	IFIP International Conference on Wireless and Optical Communications Networks, WOCN

List of important Equipment

S.No	Equipment name	Cost of the Equipment
1	Keysight Signal analyser (10Khz to 7GHz) Serial number MY63440455(N9010B-507)	13,06,928.00
2	Noise figure measurement Application (N9069Emoe)	5,05,609.00
3	Spectrum Analyser (FPC1500)	
4	Vector Signal Generator (4KHz to 7.125 GHz) (SMCV100B)	32,00,000.00