

RESUME

Dr.M.Sujatha B.E,M.E.,Ph.D

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Career Objective

To achieve a pinnacle position and to be associated with a progressive organization that gives me scope to update my knowledge and skills in accordance with the latest trends and be part of team that dynamically works towards the growth by the organization.

Research Domain : Wireless Sensor Network/RF Antenna

Scopus URL : <https://www.scopus.com/authid/detail.uri?authorId=57211325152>

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Google Scholar ID : SujathaMoorthy

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Research Statement

My research interests focus on the development and validation of antenna models of wireless Sensor Network applications. It covers the facts and issues related to hidden node collision, the conventional methods of grouping mechanism in WSN and a proposed beam scanning process using directional antenna for the increased Network lifetime of the node.

Educational Qualification:

S.No	Name of the Degree	Name of the Institution	Specialization	Year of Completion	Class obtained
1	Ph.D.	Sathyabama University, Chennai	Faculty of Electronics Engineering	July 2017	Highly Recommended
2	M.E	Sathyabama University, Chennai	Applied Electronics	May 2006	I Class with Distinction
3	B.E	Adhiparasakthi Engg. college, Madras University	Electronics and Communication Engineering	May 1999	I Class

Professional Qualification:

Total 22 Years of Experience [16 Years of experience after completing M.E]

S.No	Name of the Institution	Post Held	Period
1	KL University, Vijayawada, Andhra Pradesh	Professor	December 2020-Till date
2	Saveetha School of Engineering, SIMATS	Professor	April 2019-December 2020
3	KL University, Vijayawada, Andhra Pradesh	Professor	January 2017-March 2019
4	Prathyusha Institute of Technology and Management	Associate Professor	December 2003 – June 2016
5	Sri Ram Engineering College	Lecturer	June 2000-December 2003

RECENT HIGHLIGHTS (2022)

INTERNATIONAL JOURNALS

1. Bikash Chandra Saha, Joshuva Arockia Dhanraj, M. Sujatha, R. Vallikannu, **Investigating Rotor Conditions on Wind Turbines Using Integrating Tree Classifiers**, Hindawi, International Journal of Photoenergy ([Web of Science](#)), Volume 2022, Article ID 5389574, Impact factor 2.53 doi.org/10.1155/2022/5389574.
2. S. Prabu , B. Thiyaneswaran , M. Sujatha , C. Nalini and Sujatha Rajkumar, **Grid Search for Predicting Coronary Heart Disease by Tuning Hyper-Parameters**, Computer Systems Science & Engineering, DOI: 10.32604/csse.2022.022739,CSSE, ([Web of Science](#)), Impact factor 4.397,2022, Vol.43, no.2, Tech Science Press Publications.

3. Dr. M Sujatha, Mohammad Irshad, Barla Harsha Vardhan, S V Siva Kishore, **FPGA Based Industrial Robotic Arm Controller, Design Engineering (Toronto)**, ISSN: 0011-9342 | Year 2022, Issue: 1, Pages: 2209 – 2215.
4. Dr. M Sujatha, Shaik Ruhisha, Mahesh Vadde, **Maze Solver Using Webots, Design Engineering (Toronto)**, ISSN: 0011-9342 Year 2022, Issue: 1, Pages: 2563 – 2568.

PROJECTS APPLIED 2022

S.No	Title of the Project	Name of the Funding Agency	Applied as (PI/Co-PI)	Status
1	Development of Machinelearning Based Detection and Predicting Pathways Using High Resolution Satellite Remote Sensing Data.	BIRAC -PACE	CO-PI	Level 1 Approved (Presentation completed)
2	Design And Development of Indigenous Robotic Device for Monitoring Sea Cage Fish Farms.	BIRAC -PACE	PI	Under Review

LIST OF RESEARCH PUBLICATIONS

INTERNATIONAL JOURNALS

- 1.P. Thamizhazhagan, M. Sujatha , S. Umadevi , K. Priyadarshini , “**AI Based Traffic Flow Prediction Model for Connected and Autonomous Electric Vehicles**”, Computer materials and Continua (**Web of Science**),Tech Press Science Publications, DOI:10.32604/cmc.2022.020197,November 2021
2. Dr.M.Sujatha, Dr.P.KalpanaDevi, “**Design of Reconfigurable Integrated patch antenna in ISM band for IoT applications**” (**Scopus**), Proceedings of International conference on Smart Structures and Systems ICSSS’20,IEEE Explore.
3. G. Srilekha, B. T. P. Madhav, M. Sujatha, P. Pardhasaradhi, R. K. N. R. Manepalli & M. C. Rao, “**AR-ESIHE and ARS- ESIHE-based image enhancement methods on 9oba pure and nano dispersed liquid crystalline compound**” , (**Science Citation**), Molecular Crystals and Liquid Crystals, ISSN: 1542-1406 (Print) 1563-5287,Taylor & Francis.

4. M.Sujatha* N.B.Prakash , G.R.Hemalakshmi, T.Jayasankar, “**High Performance Grouping With Load Balancing Scheme for Wireless Sensor Networks**”, (Scopus), International Journal of Advanced Science and Technology, ISSN: 2005-4238 IJAST, Vol. 28, No. 12, (2019), pp. 441-449.
5. N .Ramya, M.Sujatha, T.Jayasankar Prasad, Jones Christydass, “**Metamaterial Inspired Circular Antenna with DGS for Tetra Band Application**”, (Scopus), , ISSN: 2005-4297 IJCA, Vol. 13, No. 2, (2020), pp. 877 – 882.
6. Dr. T. Jayasankar , Dr. M. Sujatha , Dr. C. Rajinikanth, “**Unconstrained Global Optimization Base Partial Transmit Sequence for OFDM PAPR Reduction**”, International Journal of Advanced Science and Technology, (Scopus), Vol. 29, No.03, (2020), pp. 7346 – 7354, ISSN: 2005-4238 IJAST.
7. Dr.M.Sujatha, Venugopal.D, R.Krishnamoorthy, “ **Hardware design of real-valued NSCT transform for biomedical video compression**”, (Scopus), Materials Today Proceedings, 2021, 45, pp. 2192–2197.
8. Dr.M.Sujatha, T.Jayasankar N.B.Prakash, Design of high efficiency PLL independent LC oscillator for biomedical transceivers”, (Scopus), Materials Today Proceedings, 2021, 45, pp. 1957–1961.
9. D.Dileep, M.Sujatha, “**Design and Fabrication of Bio-Metric Voting System**” , International Journal of Advanced Science and Technology, Vol. 29, No. 5, (2020), pp. 11407-11413, ISSN: 2005-4238 IJAST.
10. D.Dileep, M.Sujatha “**Finger print integrated electronic voting machine using GSM**”, International Journal of Advanced Science and Technology, ISSN: 2005-4238 IJAST, Vol. 29, No. 4, (2020), pp. 6300 – 6306.
11. Sireddy.Naveen Kumar Reddy, Dr.M.Sujatha, “**Detection of Fake News and Probability**” International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 02, 2020, ISSN: 1475-7192, Vol. 24, Issue 02, 2020.
12. Sireddy.Naveen Kumar Reddy, Dr.M.Sujatha , “**A Survey on Fake News Detection**”, International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 02, 2020, ISSN: 1475-7192, Vol. 24, Issue 02, 2020.

13. B. Pavan Kumar Reddy, M. Sujatha, **“Paddy Plant Disease Detection and Controlling Using Python Software”**, Test Engineering and management, ISSN: 0193-4120 Page No. 3703-3706, Published by: The Mattingley Publishing Co.,Inc.
14. B. Pavan Kumar Reddy, M. Sujatha, **“Smart Irrigation System Using Arduino Uno And Control of Paddy Plant Diseases”**, Journal of Critical Reviews, ISSN- 2394-5125, VOL 7, ISSUE 14, 2020.
15. N.Sainath, Dr.M.Sujatha, **“Analysis on Iridology Chart and Body Disease Analysis Using Image Processing”**, Journal of Critical Reviews, ISSN- 2394-5125, VOL 7, ISSUE 14, 2020.
16. N.Sainath, Dr.M.Sujatha, **“Implementation of Iridology Chart and Body Disease Analysis Using Image Processing”**, Journal of Critical Reviews, ISSN- 2394-5125, VOL 7, ISSUE 14, 2020.
17. Dr.P.Kalpana Devi , Dr.M.Sujatha, **“Spectrum Sensing Based Reconfigurable Filter Bank For MulticarrierCommunication Receiver”**, Journal of Critical Reviews, (Scopus), ISSN- 2394-5125, VOL 7, ISSUE 14, 2020.
18. R.Ganesh,Dr.M.Sujatha, **“Automated Cooking Machine Using PLC”**, Journal of Critical Reviews, ISSN- 2394-5125, VOL 7, ISSUE 15, 2020.
19. R.Ganesh,Dr.M.Sujatha , **“Automatic Vegetable Curry Maker Machine”**, Journal of Critical Reviews, ISSN-2394-5125, VOL 7, ISSUE 06, 2020.
20. S.Venkata Durga Prasad, Dr.M.sujatha, **“A Survey Paper on Machine Learning Methods For Digital Security Operations”**, Journal of Critical Reviews, ISSN- 2394-5125, VOL 7, ISSUE 06, 2020.
21. S.Venkata Durga Prasad, Dr.M.sujatha, **“ A User-Centric Machine Learning Framework For Digital Security Operations”**, Journal of Critical Reviews, ISSN- 2394-5125, VOL 7, ISSUE 06, 2020.
22. Dr. M. Malathy,Dr. M.Sujatha, B. Manikandan, **“Optimization Using Modified Grey Wolf Algorithm for Twitter Sentiment Analysis on Demonetization”** Biosc. Biotech.Res.Comm (BBRC),(Science Citation),Special Issue Vol 12 No (6) Nov 2019, Pages: 05-13.
23. M. Sujatha, Shymala Bharathi,S.Shanthi, **“Attendance Management System using Face Recognition”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), (Scopus), ISSN:

2278- 3075, Volume-8 Issue-12, October, 2019.

24. .S.Shanthi, Shyamala Bharath, M.Sujatha, **“Data Based Estimation of Near Future Values of Blood Glucose with K-Nearest Neighborhood Algorithm”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), (**Scopus**), ISSN: 2278-3075, Volume-8 Issue-12, October, 2019.
25. P.Shyamala Bharathi, M. Sujatha, S.Shanthi, **“Resource Allocation by Demand Based Optimization and Machine”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), (**Scopus**), ISSN: 2278-3075, Volume-8 Issue-12, October, 2019.
26. M.Sujatha, N.B.Prakash, G.R.Hemalakshmi T.Jayasankar, **High Performance Grouping With Load Balancing Scheme for Wireless Sensor Networks**, International Journal of Advanced Science and Technology, (**Scopus**), Vol.28, No. 12, (2019), pp. 441-449.
27. Anitha, S.Rooban, M.Sujatha, **Implementation of Energy Efficient gates using Adiabatic Logic for Low Power Applications**, International Journal of Recent Technology and Engineering (IJRTE), (**Scopus**), ISSN: 2277-3878, Volume-8 Issue-3, September 2019.
28. M Sujatha, P. Nagarjuna, A. Bala Sai Ram, A. Hemanth Venkata Sai, K. Tarun, Sk Hasane Ahammad, **“Visible Spectroscopy Analysis of fat Content in Milk using LabVIEW”**, International Journal of Innovative Technology and Exploring Engineering (**Scopus**), ISSN: 2278-3075, Volume-8, Issue-6S3, April 2019.
29. Dr.M.Sujatha, Y.Srileka, A.Rakesh Datta, P.Praveen Kumar, **“ATTENDANCE MANAGEMENT SYSTEM USING IRIS RECOGNITION”**, International Journal of Pharmaceutical Research, (**Scopus**), Volume 11, Issue 1, January-March 2019.
30. Dr.M.Sujatha, N.Prabhakaran, R.SelvaKumar, **“DESIGN AND IMPLEMENTATION OF LABVIEWBASED BOREWELL CHILD RESCUE ROBOT”** International Journal of Engineering and Technology (**Scopus**), Volume 7(1.3), 2018, pg. No.157-160.
31. M.Sujatha, P.Eswar Kiran, Y.Sandeep, P.V.RanjithKumar, **“Life saving system using IOT”** technology International Journal of Pure and Applied Mathematics (**Scopus**), ISSN No: 1314-3395, Vol No: 118, Issue No: 20, Page No: 335-348, 2018.

32. R.Selvakumar,Dr.M.Sujatha,S.PalaniKumar, “ **ROAC: Recursive optimization of Colony Ant Assisted Perturb And Observe For A Photo Voltaic Resonant Boost Converter**” International Journal of Engineering and Technology([Scopus](#)), Volume (1.3),2018,pg. No.150-156.

33. R.Sirichandana, P.SaiDeepthi, M,Sujatha, “**Design of Single Band Microstrip Patch Antenna for 5G Applications**, International Journal of Engineering and Technology([Scopus](#)),Volume 7(2.7),2018,pg. No.532-535.

34. T.Phani Kumar Siva, M.Sujatha, **Implementation of FPGA Based MRPMA for high performanceApplications**, International Journal of Engineering and Technology([Scopus](#)), 7 (1.5) (2018) 158-163.

35. Dr.M.Sujatha, C.Cynthia, “**An Optimization Technique for Clustering of an Energy Efficient Wireless Sensor Network**” International Journal of Pure and Applied Mathematics ([Scopus](#)), ISSN No: 1314-3395, Vol No:117, Issue No: 18, Page No: 263-269, December 2017.

36. Dr.M.Sujatha, Dr.S.Sunithamani, C.Cynthia, “**MEMS BASED HEART RATE MONITORING SYSTEM USING FINGER TIP**” International Journal of Pure and Applied Mathematics ,ISSN No: 1314-3395, VolNo: 117, Issue No: 19, Page No: 163-170, December 2017.

37. M.Sujatha, R.S.Bhuvaneswaran, **Oppurtunistic Routing Algorithm for Hidden Node Collision Avoidance and Energy Efficient Wireless Sensor Network**, International Conference on AEEICB 2016,978- 1-4673-9745-2,([Scopus](#)), IEEE 2016.

38. M.Sujatha, R.S.Bhuvaneswaran, **Intra-Cluster Grouping Mechanism with Efficient Beam Scanning algorithm to avoid Hidden Node collision in WSN**, Sensor Letters, American Scientific Publishers U.S.A,Volume14,490-500, 2016 doi:10.1166/sl.2016.3553 ([Web of Science](#))ISSN: 1546-198X(Print) EISSN:1546-1971(line), **Impact Factor-1.59**.

39. M.Sujatha, R.S.Bhuvaneswaran, **Cognitive Group Leader Selection Algorithm for Wireless Sensor Networks**, Research Journal of Applied Sciences Engineering and Technology ,Maxwell Science organization, U.S.A, 8(24):2403-2407,2014 ,ISSN:2040-7459 e-ISSN:2040-7467, **SNIP/SJR - 0.16**.

40. M.Sujatha, R.S.Bhuvaneshwaran, **Modified Intra Cluster Grouping scheme using Beam Forming Technique in Standard IEEE 802.15.4**,13(8):422-430,2014, ISSN:1682-3915@Medwell Journals, , SNIP/SJR - 0.18.
41. M.Sujatha, R.S.Bhuvaneshwaran , **A Cross Layer Implementation and Efficiency improvement using cross layer detection & Allocation Algorithm**, Advances in Computer science and Engineering- ICACE 2014 March 10 2014 at Mysore, vol. 3 , No.2, Pages : 12 - 15 (2014), ISBN:978-93-5173-901
42. M.Sujatha, R.S.Bhuvaneshwaran, **Design and Simulation of Spiral Antenna for Endoscope**, International Journal of Engineering Research and Technology, (**Scopus**), Volume 2, Issue 11, November 2013, ISSN:2278- 0181.

NATIONAL JOURNAL

- 1.M.Sujatha,BTP.Madhav,V.Akila,B.Gowtham,S.Rao, “**TRISTRIP MONOPOLE ANTENNA WITH SPILTRING RESONATORS FOR ISM BAND BIOMEDICAL APPLICATIONS**”, Indian Journal of Public Health safety, (**Scopus**),9(6),pp.301-305.
- 2.M.Sujatha, R.S.Bhuvaneshwaran, **Circularly polarized adaptive Beam scanning antenna in a cluster grouping to avoid hidden node collision in wireless sensor network**, Indian Journal of Applied Research, The Global Journals, Ahmadabad, volume:4 Issue:8, August 2014, ISSN-2249-555X.
- 3.M.Sujatha, R.S.Bhuvaneshwaran ,**A Design of Switched Beam Antenna For Wireless Sensor Networks**, Indian Journal of Engineering Research and Technology (IJERT), GBS Publishers & Distributors, volume 2, Number 1 (2015), pp. 1- 8 ISSN 2348-1048.

INTERNATIONAL CONFERENCE

- 1.M.Sujatha,R.S.Bhuvaneshwaran, **An Energy Efficient Beam Scanning Algorithm to avoid Hidden Node Collision in WSN**, International conference on Communication and Computer Engineering-ICOCOE-2014 ,May 20th 2014-at Malaysia,volume315,pp627-639,2015,DOI 10.1007/978-3-319-07674-4_59.
- 2.M.Sujatha, R.S.Bhuvaneshwaran, **An Energy Efficient Prediction Based Object tracking Sensor Networks**, Advances in Electrical &Electrical &Electronics, Information,

Communication & Bio-Informatics-AEEICB-2012 24th and 25th January 2012, ISBN NO.978-1-4507-8489-4.

NATIONAL CONFERENCE

1.M.Sujatha, R.S.Bhuvaneswaran, **An Optimization Technique for Clustering of an Energy Efficient WSN**, Recent Advances in Communication, Electrical& Electronics &Information Technology-RACEIT-2011 ,March2011,119-123/2014, ISBN:978-1-4507-5679-2.

2.M.Sujatha, R.S.Bhuvaneswaran, **Modified Intra Cluster grouping scheme to avoid Hidden Node collision inWSN**, Current Academic Revolution in communication and Networking-CARCN-2014,March 6th and 7th 2014, 44-49, ISBN : 978-81-924031-1-3.

3.M.Sujatha, R.S.Bhuvaneswaran, **An Energy Efficient Clustering for Wireless Sensor Networks Using Fuzzy c-Means Algorithm**, IETE 45th Mid Term Symposium on Broadband-Technologies and Services for Rural India -MTS 14, 4th and 5th April, 2014,ISBN 978-1-941505-03-8.

APPRECIATION/AWARD

- **Received award from National Instruments for BEST KLEF NI-Centre of Excellence**
- **Received Lifetime achievement award for academic and Research for 22 years of experience from Novel Global Research Academy**
- **Received consecutive appreciation – as Convener and Co-Ordinator for NILabVIEW academy at KL University, Vijayawada.**
- **Received appreciation from President, KL University, Vijayawada-producing maximumNI CLAD certified Engineers in National level**
- **Received an appreciation from NAAC Pear committee members as Best NAAC Co-Ordinator**
- **NBA coordinator at Prathyusha Engg. College**
- **CLAD certified from National Instruments, USA**
- **Best CII (confederation of Indian Industry) Coordinator award from southern region and from Prathyusha for consecutive academic years since 2009**

- Received an appreciation for receiving a fund of Rs.30.000/- from CSIR for organizing a workshop.
- Received cash award for producing 95 – 100% results in the University Examination in the subject's satellite communication, EMF
- Received consecutive appreciation – as Coordinator for VILLGRO-MIP from PITAM in association with VIT-TBI and IIT Chennai.

ADMINISTRATIVE EXPERIENCE

- **Chairman for Research Program Academic Council (RPAC), ECE, KLEF**
- **NI Centre of excellence coordinator, KLEF**
- **NBA, Central Level incharge, TIER I Application, 2022, KLEF**
- **Member of Academic Council, BOS, KLEF**
- **Professor in charge for Final year Project and Term Paper at KLEF**
- **NBA Coordinator - TIER II Application – Responsible For PEO/Vision/Mission/PO Definition, Assessment Of PEO And PO Through Alumni Survey, Employer Survey , Student Exit Survey And Course End Survey at PITAM**
- **NAAC Coordinator at PITAM**
- **Head of the Department, ECE**
- **Coordinator for Set Up Various Special Labs Like PITAM NI LABVIEW Academy, Centre For Robotics And Embedded Systems,**
- **ISO Coordinator**
- **IETE Coordinator – Instrumental in starting IETE student Forum**
- **Budget Coordinator**
- **Recruitment In charge – Teaching And Non-Teaching**
- **Lab In charges - For Various Labs**
- **Industrial Visit Coordinator**
- **Department News Letter In charge**
- **Guest Lecture In charge**
- **Project Coordinator**
- **PG Coordinator**
- **Project Design Contest In charge**
- **Organizer and Coordinator For various Symposiums/Workshops/Conferences/Faculty Development Programme.**

FUNDED FDP/SEMINAR/WORKSHOP – AS COORDINATOR/CONVENOR

TITLE OF THE FDP/CONFERENCE/WORKSHOP	FUNDING AGENCY	SANCTIONED AMOUNT IN RUPEES
15 Days FDP on “Bounded & Unbounded Communication”	All India Council for Technical Education (AICTE)	7,00,000 /-
15 Days FDP on “Communication Dictionary”	All India Council for Technical Education (AICTE)	7,00,000/-
FDP on Electromagnetic Fields	Anna University	60,000/-
Workshop on “Recent Advancements in Microwave Engineering”	CSIR	30,000 /-
FDP on RF and Microwave Engineering	Anna University	60,000/-
Workshop on “Fundamentals of LabVIEW core1 and 2	National Instruments Bangalore	-
National Level workshop on Embedded System Design for Industrial Applications Using LabVIEW	SERB	Rs.30000/-

CONTINUING EDUCATION:**COURSES, WORKSHOPS, SEMINARS –PARTICIPATION**

S.No	Title	Period	Presented at
1	FDP on “RF Lab”	24 th to 26 th May 2004	College of Engineering, Guindy

2	Anna University sponsored FDP on “VLSI Design”	4 th to 16 th December 2006	Velammal Engineering College, Chennai
3	Anna University sponsored FDP on “Electromagnetic Fields”	12 th to 24 th November 2007	Prathyusha Inst. Of Tech. and Management
4	Workshop on “Research Opportunities in VLSI and Applied Electronics”	29.08.2008	SSN College of Engineering, Kalavakkam
5	Workshop on “ Multipurpose Communication Lab station “	19.12.2008	Prathyusha Inst. of Tech. and Management
6	FDP on “Mobile Computing”	8 th to 10 th May 2008	Prathyusha Inst. of Tech. and Management
7	FDP on “Embedded Linux Kernel and Driver Development”	22.12.2008	Prathyusha Inst. of Tech. and Management
8	FDP on “Electromagnetic Fields”	1 st to 4 th December 2008	Prathyusha Inst. of Tech. and Management
9	AICTE sponsored SDP on “Bounded and Unbounded Communication”	23 rd to 6 th December 2009	Prathyusha Inst. of Tech. and Management
10	Short Term Training Program on “Emerging Trends in Wireless Technologies and Antenna Design”	11 th to 12 th September 2009	P.B.College of Engineering
11	FDP on “Fundamentals of Electro Magnetics and Fundamentals of Antennas”	1 st to 5 th December 2010	Prathyusha Inst. Of Tech. and Management
12	National Seminar on “National Knowledge Network-Knowledge Transformation Opportunities for Technical Teachers”	10.05.2010	NITTTR,Chennai

13	Workshop on “Wireless Sensor Networks & Its Applications”	4 th to 5 th August 2010	B.S.ABDUR RAHMAN University
14	Workshop on “NS2 simulation Tool”	2 nd to 3 rd November 2010	IETE, Chennai centre
15	AICTE sponsored SDP on “Communication Dictionary “	30 th May to 12 th June 2011	Anna University, Chennai
16	Anna university sponsored FDP on “RF & Microwave Engineering”	7 th to 13 th May 2012	Prathyusha Inst. of Tech. and Management
17	CSIR Workshop on, “Health Care Technology and recent trends in E-Health and M- Health	1 st to 2 nd November 2011	B.S.ABDUR RAHMAN University
18	Workshop on, “Recent Advancements in Microwave Engineering”	17 th to 18 th December 2012	Prathyusha Inst. of Tech. and Management
19	Workshop on “RF and Antenna Design and Analysis using Ansoft HF Package”	27 th to 28 th November 2012	B.S.ABDUR RAHMAN University
20	Workshop on “Implementation of Embedded system Design using LabVIEW”	9 th to 10 th May 2012	Prathyusha Inst. of Tech. and Management
21	FDP on “Hands on Training in RF design Tools”	4 th to 8 th June 2012	Prathyusha Inst. of Tech. and Management
23	Workshop on “Exploring MATLAB and its Applications”	13 th to 14 th May 2013	Prathyusha Inst. of Tech. and Management
24	Workshop on “Robotics-NRC-2013-2014”	17 th to 18 th February 2014	Prathyusha Inst. of Tech. and Management

25	FDP on “Hands on Training in LabVIEW and Cadence Tool”	15 th to 21 st December 2014	Prathyusha Inst. of Tech. and Management
26	FDP on “Recent Advancements in RF Antennas” by NIT, Warangal	June 2017	KL University, Vijayawada
27	National Level workshop on Embedded System Design For Industrial Applications Using LabVIEW	9 th and 10 th August 2017	KL University, Vijayawada
28	Workshop on NI LabVIEW CLAD training	26 th -30 th August 2017	KL University, Vijayawada
29	Workshop on Hands on training in NI-MYDAQ and MYRIO	30 th Jan-2 nd Feb 2018	KL University, Vijayawada
30	24 th National conference on communications at IIT-Hyderabad	25 th Feb-28 th Feb 2018	IIT-Hyderabad
31	Workshop on Art of Teaching and Academic Counseling	24.10.2018	KL University, Vijayawada
32	NI CLAD certification Training	12 th November to 3 rd December 2018	KL University, Vijayawada
33	Workshop on Communications system Design for Teaching and Research using NI USRP	28 th May to June 01, 2018	CIT, Coimbatore
34	Workshop on Training on NI ELVIS III for ADC Lab	3 rd December to 7 th December 2018	KL University, Vijayawada
35	Webinar on Automation and Data Acquisition using LabVIEW based Arduino Interface	18-02-2021	KL University, Vijayawada

36	Webinar on A Practical Approach to Tele operated surgical Robots for resource constrained Environments	02-03-2021	KL University, Vijayawada
37	Spectrum Sensing and Channel Modelling using USRP	07-04-2021	KL University, Vijayawada

RESEARCH EXPERIENCE

Working in the Spectrum sensing and bandwidth allocation using Cognitive Defined Radio, design of defected ground Microstrip patch antenna for UWB applications and design of conformal antennas for direction of arrival estimation

Working on identification of statistical parameters and image enhancement for Liquid crystals compounds.

No. of Ph.D Scholars under guidance : 4

PROFESSIONAL ACTIVITIES

- Establishment of various labs both at UG and PG level.
- Served as a coordinator for AICTE sponsored Two weeks Staff Development Programme on “Bounded and Unbounded Communication” at Prathyusha Institute of Technology and Management, Chennai. (Rs.7,00,00.00 **was Funded for SDP from AICTE**)
- Organized a one-day workshop on “Modern Communication Lab Station” for Teaching and Non-Teaching faculty at Prathyusha Institute of Technology and Management, Chennai.
- Arranged many seminars and Guest Lectures for students.
- Has sent proposals to AICTE and received grants in Research Project Scheme.
- Has sent proposals to CSIR and received grant for conduction of Workshops and Conferences.
- Has sent proposals to SERB and received grant for conduction of Workshops.
- Visited the Countries Melaka, Malaysia for Presenting research article.
- IEEE student Project Evaluator.

PROFESSIONAL MEMBERSHIP

- ✓ Fellow Member of “Institute of Electrical & Electronics Engineers (IEEE)”.
- ✓ **Faculty Advisor IEEE Communication Society, Students Chapter**
- ✓ Fellow Member of IEEE RF and Microwave, MTTs
- ✓ Life Member of “The Indian Society for Technical Education (ISTE)”, India.
- ✓ Life member of “The Institute of Electrical and Telecommunication Engineers (IETE)”, India.
- ✓ Member of “Institute of Electronics, Information and Communication Engineers (IEICE)”, JAPAN.

PROFESSIONAL SKILLS AND ABILITIES

Member in National Committee/Editorial Board

- ✓ Reviewer for International Conference SPACES, Organized by KL University, 2017 & 2021.
- ✓ Reviewer and Committee member for IEEE sponsored international Conference AEEICB 2016.
- ✓ Reviewer for International Conference to Advancement in Information Technology.
- ✓ International Conference- ADVCIT'2014.
- ✓ Reviewer for International **ELECTROMASA'2014**.
- ✓ Reviewer for International Conference **ICOCOE'2014**.
- ✓ Reviewer for International Journal of Science and Technology.
- ✓ Reviewer for International Conference Competition and Exhibition 2014 (**CCE2014**).
- ✓ Reviewer for International Journal Sensor Letters.

Subject Specialization:

RF and Microwave Engineering
Electromagnetic Fields and Waves
Antenna and Wave Propagation
Microwave and Millimetric Wave Circuits
Satellite communication
Biomedical Electronics and IOT in Healthcare.
Analog and Digital Communication.

I, hereby declare that the details given above are correct and true to the best of my knowledge.



Dr.M.Sujatha

