POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY
Sponsored by: SKPVV Hindu High School Committee,Estd: 1906
(Approved by AICTE Affiliated to JNTU Kakinada)
ISO 9001:2015 Certified
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FACULTY PROFILE

Dr. Jammula Lakshmi Narayana
D.No :2-115,
Tadigadapa (P.O),
Penamaluru (M.D),
Krishna (D.t)
Pin: 521134

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Experience:

Teaching: 17 Years

Industry: 1 Year

Career Profile

Year	Organization	Role
May 4, 2015 - Till Date	Potti Sri Ramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapeta	Professor & Head in ECE Department
June 16,2014 to April 30,2015 (11 Months)	K L University,Vaddeswaram	Professor in ECE Department
June 2, 2011 to June 16,2014 (3 Years)	St.Ann's College of Engineering and Technology, Chirala	Professor in ECE Department
April 12, 2010 to May 12, 2011 (1 Year)	Andhra Loyola Institute of Engineering and Technology, Vijayawada	Professor & Head in ECE Department
April 04, 2009 to April 2010.(1 Year)	KKR & KSR Institute of Technology & Sciences, Vinjanampadu, Guntur	Professor & Head in ECE Department
October 26, 2008 to April 2009 (6 Months	Chalapathi Institute of Engineering and Technology Guntur	Associate Professor in ECE Department
April 25, 2007 to October 2008 (1 Year 6 Months).	V R Siddhartha Engineering College, Vijayawada	Associate Professor in ECE Department

April 2005 to April 2007 (2 Years)	DVR & Dr. HS MIC College of Technology, Kanchikacherla	Associate Professor in ECE Department
January 2001 to April 2005 (4 Years 3 Months)	Koneru Lakshmaiah College of Engineering	Lecturer in ECE Department
January 2000-January 2001(1 Year)	Aponline.net	system administrator

Qualification

Degree and Date	Board / University	Date of Completion	% Marks
Ph.D (RF & Microwaves)	JNTUH, Hyderabad	2013	
M.Tech (Communication & Radar Systems)	Koneru Lakshmaiah College of Engineering affiliated to Acharya Nagarjuna University	2004	73.6%
A.M.I.E.T.E (Electronics and Telecommunication Engineering)	IETE, New Delhi	1999	59.88%
Intermediate (Maths, Physics, Chemistry)	Board of Intermediate Education, A.P	1994	77%
S.S.C	Secondary Board, A.P	1992	62.8%

The subjects handled:

GRADUATE CLASSES

* Microwave Engineering

* Electronic Circuits-1

* EM Waves & Transmission Lines

* Satellite Communication

* Digital Signal Processing

* Antennas and Wave Propagation

* Electronic Devices and Circuits

* Communication Theory

* Signals and Systems

* Network Analysis and Synthesis

* Transmission Lines and Waveguides

* Probability Theory & Stochastic Process

* Digital Electronics

* Basic Electronics and Microprocessors

POST GRADUATE CLASSES
 * Time Harmonic Electromagnetic Fields (M.Tech)

LABS HANDLED

 * Electronic Circuits & Digital Electronics Lab

 * Electronics circuits Lab

 * Electronics Devices and circuits Lab

 * Digital Signal Processing Lab

 * Communications Lab

 * Pulse & Digital Circuits Lab

 * Advanced Communications Lab (M.Tech)

Certifications

Certification	Date Certified

Affiliation to Professional Bodies

MIEEE, MIETE, MISTE, MIEI, MISSE, MIAENG

Publications

NATIONAL

[1] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy, "Performance Evaluation of Neural Models for the Analysis of GaAs MESFET" Gitam Journal of Information Communication Technology (GJICT), Volume-1, No.01, July-Dec- 2008,pp.31-41

INTERNATIONAL

[1] D. Sreenivasa Rao, **J. Lakshmi Narayana**, B. T. P. Madhav, K. Dinesh Kumar, B. Anil Kumar and G.Karthik "Microstrip Parasitic Strip Loaded Reconfigurable Monopole Antenna", ARPN Journal of Engineering and Applied Sciences
 VOL. 11, NO. 19, OCTOBER 2016

[2] E.Suresh**, Dr. J. Lakshmi Narayana** "Dual band Omni-Directional Fractal Boundary Micro-Strip Antenna " International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE) Vol 3, Issue 8, August 2016

[3] A.Gouthami,K.Vijayasri,B.Anil Singh, .Kamalesh, G. Narendra Naik, **J.Lakshmi Narayana, "** Location Estimation in Cellular Networks Using Artificial Neural Networks" *IJAIR Vol. 2 Issue 4,pp.81-86 ,2013*

[4] Govada Sahitya, **J.Lakshmi Narayana** " Image Classification through Dynamic Hyper Graph Learning", International Journal of Engineering Research & Tech. (IJERT) Vol. 2 Issue 11, November – 2013,pp: 1146-1150

[5] D.Lakshman Pavan Kumar, M. Sainadh, J. Anusha and **J.Lakshmi Narayana**,   "ANN Model for Obtaining S-Parameters of Two Element Rectangular Shaped   Microstrip Antenna" , , International   Journal   of   Electronics   Engineering   Research (IJEER),Volume4,Number2(2012),pp.153-158

[6] M. Sainadh, D. lakshman Pavan kumar, B. Prasanthi, I. Balaganesh and **J.Lakshmi Narayana** , "Design and Analysis of Microstrip Bandpass Filters using Artificial Neural Networks" , International Journal of Electronics Engineering Research (IJEER),Volume 4, Number 2 (2012),pp. 145-152

[7] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy,"High Dimensional Modeling of Microstrip Hairpin Bandpass Filter Using Artificial Neural Networks ", International Journal of Future Generation Communication and Networking (IJFGCN),Vol. 5, No. 1, March, 2012, pp.1-14

[8] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy, "Modeling of Double Ridge Wave guide using ANN", Frontiers of Electrical & Electronics Engineering in China (*Springer* **H Index**: 6*),* Volume-7,no-3,2012,pp.299-307

[9] Dr.K.Sri Rama Krishna, K.Jagadeesh Babu, **J.Lakshmi Narayana** , G V Subrahmanyam, "Artificial Neural Network Approach for Modeling the Microstrip Bandpass filter", IJETED,Issue-2, Volume-5,2012

[10]   Dr.K.Sri Rama Krishna, K.Jagadeesh Babu, **J.Lakshmi Narayana**, Dr.L.Pratap Reddy,G V Subrahmanyam, "Artificial Neural Network Approach for Analyzing the mutual coupling in a rectangular MIMO Antenna", Frontiers of Electrical & Electronics Engineering in China (*Springer* **H Index**: 6*),* Volume-7,no-3,2012,pp.293-298

[11] Dr. K. Sri Rama Krishna, **J. Lakshmi Narayana** and Dr. L. Pratap Reddy "A Neural Network Inverse Modeling Approach for the Design of Spiral Inductor", International Journal of Computer Science and Engineering technology (IJCSET), ISSN: 2229-3345, Vol. 02, No. 03, pp. 54-62, 2011.

[12] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy, "Modeling of Capacitive Membrane Shunt Switch using ANN", International Journal of Computational Intelligence & Information Security (IJCIIS), Vol.2 No.6(Jun-2011),pp.19-30 **IC Value in 2010: 5.58**

[13] Dr.K.Sri Rama Krishna, **J.Lakshmi Narayana**, Dr.L.Pratap Reddy, "A Neural Network Modeling Approach for the Analysis of Lange Coupler" , International Journal of Electronic Engineering Research (IJEER), Volume 2 Number 4 (2010), pp. 463– 478

[14] Dr.K.Sri Rama Krishna, **J.Lakshmi Narayana**, Dr.L.Pratap Reddy, "Performance Evaluation of ANN Models for the Analysis of Microstrip Low Pass Filters", ICGST-AIML Journal, Vol.09,No.01, February 2009,pp.9-18

[15]   **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy, "Synthesis and Analysis of Branch line Coupler using Artificial Neural Network Models" International Journal of Electronics and Communication Engineering,Vol-2,No.3(2009),pp.179-192

[16] Dr.K.Sri Rama Krishna, **J.Lakshmi Narayana**, Dr.L.Pratap Reddy, "ANN Models for Microstrip Line Synthesis and Analysis", International Journal of Electrical and Computer Engineering,Vol.03,No.15, 2008,pp.995-999 **H Index**: 4

Conferences, Seminars, Workshops & Guest Lectures Attended

NATIONAL

[1] E.Suresh, **Dr. J. Lakshmi Narayana,** "A Study on Multiband and Compact Fractal Antennas for Wireless Communication Applications", 3rd Regional Conference on Radio Science (URSI-RCRS 2017, Mar 1-4,2017, Tirupati,India

[2] **J.Lakshmi Narayana** , K.Jagadeesh Babu ,B.Vanajakshi , "ANN model for the analysis of GaAs MESFET", National Conference on Advanced Communication Technologies (NCACT-2008),VRSEC,Vijayawada, 29th February 2008, pp.6-10

[3] B.Vanajakshi, K.Jagadeesh Babu ,**J.Lakshmi Narayana**, "Design and Analysis of Microstrip Circuits using Neural Networks", National Conference on Advanced Communication Technologies (NCACT-2008),VRSEC,Vijayawada, 29th February 2008, pp.6-10

[4] **J.Lakshmi Narayana**, R.Priyakanth, "A Vision for the Broadband Network", National Conference on Broadband Communication Systems,VIIT,Pune, 1st -3rd September 2006, pp.85-90
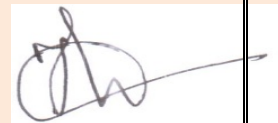
INTERNATIONAL

[1] Y.Navya Sree,P.V.Avinash Reddy,K.Ajay Kumar,P.Gokul Krishna,,**Dr. J. Lakshmi Narayana** "Multiband Circularly Polarized Symmetrical Fractal Boundary Microstrip Antenna for Microwave Applications " ,2015 International Conference on Advances in Computing, Communications and Informatics (ICACCI),10-13 Aug. 2015

[2] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy, " ANN Models for Coplanar Strip Line Analysis and Synthesis", Proceedings of IEEE International Conference on Microwave-08, Jaipur ,21st – 24th November,2008,pp.682-685 **(DOI : 10.1109/AMTA.2008.4762991)**

[3] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy,"Neural Network Training Algorithms for RF and Microwave Applications", International Conference on Advanced computing & communication Technologies, Haryana, 3rd - 4th November 2007 pp.496-501

[4] **J.Lakshmi Narayana**, Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy,"Design of Microstrip Antennas using Artificial Neural Networks", Proceedings of IEEE International Conference on computational intelligence and Multimedia Applications,Sivakasi,13th-15thDec.2007,pp.332-334 DOI: 10.1109/ICCIMA.2007.53

[5] **J.Lakshmi Narayana**,Dr.K.Sri Rama Krishna, Dr.L.Pratap Reddy,"ANN Structures for RF and Microwave Applications", International Conference on Recent applications of soft computing in engineering & Technology, Alwar, 22nd - 23rd December 2007, pp.91-98

[6] **J.Lakshmi Narayana**, R.Priyakanth, Ch.Venkata Sandeep "Design and Analysis of Microstrip Antennas", International Conference on Computer Communication and Control, RVCE, Bangalore, 23rd -25th November 2006, pp.110-114

[7] Dr.K.Sri Rama Krishna, **J.Lakshmi Narayana**, B.Vanajakshi, C S S Anupama "Vector Network Analyzer Calibrations using Artificial Neural Networks", International Conference on Computer Communication and Control, RVCE,Bangalore, 23rd -25th November 2006, pp.68-72

[8] Dr.K.Sri Rama Krishna, **J.Lakshmi Narayana**, B.Vanajakshi, C S S Anupama "Neural Network Models for Non Linear Devices and Circuits", International Conference on Computer Communication and Control, RVCE,Bangalore, 23rd -25th November 2006, pp.21-25

[9] Dr.K.Sri Rama Krishna, Dr.K V V S Reddy, **J.Lakshmi Narayana** "Modified Temporal Difference Method for the Prediction of Sea Surface Temperature (SST)", International Conference on Remote Sensing & Geo-informatics (ICORG-06),JNTU,Hyderabad, 5th - 8th June 2006, pp.20

Events organized/ Conducted

Funding Projects Handled (If any – Please provide the details of the project)

Signature