

CURRICULUM VITAE

MAHA LAKSHMI. THIRUMALASETTY

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Name : Dr. T.Mahalakshmi

Father's Name : T.S.N Murthy

Date of Birth : 02-05-01979

Present Address : W/O DASARI.VIJAY BABU,
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Email Id : Dasari.Maha@Yahoo.Com

Total Experience : 11 Yrs. 4 Months of Teaching Experience

Designation : Assistant Professor,
Prasad V. Potluri Siddhartha Institute of Technology

Educational Qualifications :

Degree	University / Institute	% of Marks/ Division	Year of Pass
Ph.D (Image processing)	GITAM Deemed to be university,Visakhapatnam.	Awarded	2023
M.Tech (Systems And Siganal Processing)	LBRCE, Mylavaram	78.9%. First Class With Distinction	2011
B.Tech in Electronics and Communication Engineering	JNTU, SCDE, HYDERBAD	63.2% FIRST CLASS	2009
DECE	Krishnaveni Exhibition Society Polytechnique College for Women, Vijayawada.	84.2% First Class With Distinction	1997
S.S.C	Board of Secondary Education, A.P Hyderabad	78% First Class	1994

		With Distinction	
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Experience :

S. No	Duration	Designation	Institute	Experience
1.	28-11-2011 to Mar 2016	Assistant Professor in ECM Department	PVP Siddhartha Institute of Technology, Vijayawada	5.4 Yrs
2.	Apr 2016 To till date	Assistant Professor in ECE Department	PVP Siddhartha Institute of Technology, Vijayawada	Working

M.Tech Project : A NOVEL TECHNIQUE FOR PEAK AND AVERAGE POWER REDUCTION IN SCAN BASED BIST

Thesis Guided

- B.Tech. : 15

SUBJECTS HANDLED :

UG Courses	
<ul style="list-style-type: none"> • Electronic Devices and Circuits • Microprocessors and Microcontrollers • Linear Integrated Circuits Applications • Integrated Circuits and Its Applications • Control Systems • Principles Of Communication • Digital image Processing • Digital IC Applications • Analog Electronic Circuits • Network Analysis and Synthesis • VLSI Design • Computer Networks 	<ul style="list-style-type: none"> • Switching Theory and Logic Design • Pulse and Digital Circuits • Basic Electronics Engineering • Analog Circuits • Electronic Devices and Amplifier Circuits • Wireless communications and Networking

PROFESSIONAL MEMBERSHIPS :

- ISTE Life member

LIST OF RESEARCH PUBLICATIONS:

S. No	Books / Journal / Conference	Number of articles
1	International Journals	10
2	International Conferences	2
3	National Conferences	2
	Total	14

INTERNATIONAL JOURNALS:

1. Paper title “**Radiation Beam Configuring By EBGs As Reflecting Planes**” in IJIRCCCE ,ISSN Number :2320-9801,Vol-1,Issue-9,Page numbers:2163-2167,November-2013
2. Paper title “**E, H and J field Variation in H-Plane Horn Antenna when EBG unit Cell is placed inside the Wave Guide**”, published in International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 2, Issue 12, December 2013 ISSN: 2278 – 1323
3. Paper title “**Vision Based Plant Leaf Disease Detection on The Color Segmentation through Fire Bird V Robot**”, GRD Journals- Global Research and Development Journal for Engineering | Volume 1 | Issue 4 | March 2016 ISSN: 2455-5703, PP: 75-79.
4. Paper title “**MATLAB Implementation of an Efficient Technique for Detection of Brain Tumor by using Watershed Segmentation and Morphological Operation**”, GRD Journals Global Research and Development Journal for Engineering | Volume 1 | Issue 4 | March 2016, ISSN: 2455-5703, PP :80-87
5. Paper title “**A Review of Image Noise Estimation Technique Using Type-2 Fuzzy Set and Genetic Algorithm**”, International Journal of Pure and Applied Mathematics Volume 114 No. 7 2017, 207-215 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)
6. Paper title “**A Review of Satellite Images based on Hybrid Invariant Local Features** International Journal of Pure and Applied Mathematics Volume 114 No. 7 2017, 197-206 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)
7. Paper title “**An efficient image noise estimation technique using type-2 fuzzy set and genetic algorithm**” Journal of Theoretical and Applied Information Technology 15th August 2017. Vol.95. No.15, pages:3413-3421, ISSN: 1992-8645 E-ISSN: 1817-3195
8. Paper title “**A Survey On Hybrid Filters For Enhancing Intensity Of Satellite Image By Using Denoising Algorithms**” JASC: Journal of Applied Science and Computations ISSN NO: 1076-5131
9. Paper title “**Avoidance Of Collision Using Copycat Technology**” in IJEAT, volume no:9,issue:4, published in march 2020,1460-1462 (printed version) ISSN no: 2249-8958
10. Paper title “**Adaptive Filter with Type-2 Fuzzy System and Optimization-Based Kernel Interpolation for Satellite Image Denoising**” published in COMPUTER JOURNAL Volume: 63 Issue: 6, Pages: 913-926 ,DOI: 10.1093/comjnl/bxz168 Published: JUN 2020.
11. “**Enhancement of Energy Efficiency and Network Lifetime Using Modified MPCT Algorithm in Wireless Sensor Networks**”, published in Journal of Interconnection Networks, Volume:22 Issue:3, Published: May 2022, <https://doi.org/10.1142/S0219265921440126>
12. “**Visible-light wireless communication system performance signature improvement for high bit rate transmission system**”published in Journal of Optical Communications, December 2022, DOI:10.1515/joc-2022-0250
13. “**Fibonacci Multichaos Algorithm for Medical Image Encryption for Transmission Through alet Transform Based OFDM System and Its VLSI Realization**”, published in MAY 2022in International journal and bio medical engineering, ISSN: 2626-8493, DOI:10.3991/ijoe.v18i06.30281,Pg.No:133-139.

14. **“A new algorithm for detection of nodes failures and enhancement of network coverage and energy usage in wireless sensor networks”**, published in **Materials today proceedings.**, <https://doi.org/10.1016/j.matpr.2021.05.355>, on 5 June 2022.

INTERNATIONAL CONFERENCES:

1. Paper title **“Implementation of Affine Combination Of Adaptive filter Algorithm For Noise Cancellation”** International Conference on ELECTRICAL,ELECTRONICS AND COMPUTER SCIENCE-2012 held at Vizag on 25th November 2012
2. Paper title **“GPRS Based Vehicle Navigation System by Using ARM Processor”** International Conference Information & Engineering Science-2013 held on 21st and 22nd Feb 2013.
3. Paper title **“Performance Analysis of DSR and Cache Customized DSR Steering Protocols in Wireless Mobile ADHOC Networks”**, Proceedings of the 5th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2021, 2021, pp. 1348–1356
4. Paper title **“Statistical Analysis of Big Data Models in Android Malware Detection Statistical Analysis of Big Data Models in Android Malware Detection”**, published in International conference on Edge computing and Applications,ICEAA-2022,PP,185-189

NATIONAL CONFERENCES:

1. **“An Efficient Image Noise Estimation Technique using Type-2 Fuzzy set and Genetic Algorithm”** in National Conference on Recent Trends in Electrical and Electronics Engineering (RTEEE – 2K17) held on 14th – 15th April 2017
2. **“Satellite Image Coregistration Based On Hybrid Invariant Local Features”**, in National Conference on Recent Trends In Electrical And Electronics Engineering (RTEEE – 2K17) held on 14th – 15th April 2017.

PATENTS:

- **Title ” AA-Predictive: AIRCRAFT ACCIDENTS PREDICTIVE USING MACHINE LEARNING”** no: 202011054181, published on 01-01-2021

WORK SHOPS/FDP’s/SEMINARS/GUEST LECTURES ATTENDED:

1. Attended five days Faculty Development Programme on **“VLSI Design, Verification and Testing”** AICTE Training And Learning (ATAL) Academy, Government Engineering

College, Rajkot, on 7-6-2021 to 11-6-2021.

2. Attended five days Faculty Development Programme on “Cyber Physical Systems” organized by VRSEC on 17-5-2021 to 21-5-2021.
3. Attended five days Faculty Development Programme on “**Robotics**” AICTE Training And Learning (ATAL) Academy, Shri Vishnu Engineering College for Women., on 23-2-2021 to 27-2-2021.
4. Attended five days Faculty Development Programme on “**Lab On CHIP**” AICTE Training And Learning (ATAL) Academy, S.R.M INSTITUTE OF SCIENCE AND TECHNOLOGY., on 18-1-2021 to 22-1-2021.
5. Attended six days Faculty Development Programme on “IoT Application Development Using Python Phase - IV (INDUSTRIAL IoT)”, Narasaraopeta Engineering College., on 7-12-2021 to 12-12-2021.
6. Attended five days Faculty Development Programme on “Advanced Optical Access Networks and its Role in Smart Cities” AICTE Training And Learning (ATAL) Academy, Indian Institute of Information Technology, Kota (MNIT Campus Jaipur), on 23-11-2021 to 27-11-2021.
7. Attended one day Faculty Development Programme on “IPR & Innovation Management in Engineering Science”, Internal Quality Assurance Cell, Prasad V. Potluri Siddhartha Institute of Technology, on 8-10-2021 .
8. Attended twelve days Faculty Development Programme on “ICT Tools for Teaching, Learning Process and Institute”, Electronics & ICT Academies NIT Patna, MNIT Jaipur, PDPM IIITDM Jabalpur, IIT Guwahati and IIT Roorkee, from 10-8-2021 to 21-08-2021.
9. Attended Five day Workshop on “**Cryptography And Coding Theory**” MHRD, Govt. of India, E & ICT Academy, NIT Warangal on 28th January – 1st Feb 2019
10. Attended a seminar on “**IPR and Patents**” by Mr. K. Ravindranath, Manager, Scitech Patent Art Services Pvt Ltd., Hyderabad organized by PVPSIT ISTE faculty chapter in association with IQAC on 29th September 2018
11. Attended an orientation program on “**ART of Living**” on 7th August 2018 at PVPSIT ,Speaker of this program is Mr. S.Mahesh, trainer, Art of Living.
12. Attended awareness program on “**Intellectual Rights by Patents**” by Allinnov Research and development Pvt.Ltd. on 13th July 2018 at PVPSIT.
13. Attended two day training programme on “**Bhuvan overview training**” at NRSC (National Remote Sensing), Hyderabad on 13th & 14th June 2018.
14. Attended One week Faculty Development Programme on “**VLSI & FPGA SIGNAL Processing**” MHRD, Govt. of India, E & ICT Academy, NIT Warangal at GITAM Institute of Technology, Visakhapatnam on 2nd – 7th May 2018.
15. Attended one day workshop on “**ONE DAY STATE LEVEL WORKSHOP ON ADVANCED IMAGE PROCESSING TECHNIQUES**” organized by Dept. Of E.C.C, GEC 23rd September 2017 .
16. Attended Three day workshop on “ **OVERVIEW ON LATEST TELCOM TECHNOLOGIES**” conducted by BSNL , 21-2-2017 to 23-02-2017.

17. Attended Two week ISTE STTP on” **CMOS, MIXED SIGNAL AND RADIO FREQUENCY VLSI DESIGN**” conducted by IIT Kharagpur from 30th January 2017 to 4th February ,2017
18. Attended an faculty orientation programme on “**Internal Quality Assurance**” at PVPSIT on 6th February 2016.
19. Attended on “**Time Management**” by Mr. DWARAKA RAMANA, Sr. Manager, First America Organization, Hyderabad & Mrs. SAILAJA MANUKONDA, Sr. Project Manager conducted by ISTE chapter at PVPSIT on 23rd January 2016.
20. Attended a two day workshop on “**e-yantra lab setup initiatives**” at Viswakarma Institute of Technology, Pune from 18th – 19th January 2016.
21. Attended a two day workshop on “**Advances in Mathematical Models for Image Processing**” at PVPSIT, Dept. of E.C.E from 4th – 5th March 2016.
22. Attended “**Patents-Inventions based research in institutions & Inventions and its protection**” organized by IQAC PVPSIT on 5-12-2015.
23. Attended a Two day workshop on “**Feature Extraction & Classification Techniques for Pattern Recognition & Machine Learning using MATLAB**” Jointly conducted by SCIENTIFIC COMPUTING SOLUTIONS” and Dept. of IT, PVPSIT from 27.06.2015 to 28.06.2015.
24. Attended a National seminar on “**Embedded System Design :Tools & Applications**” organized by CSE Department in VRSEC, Kanuru. On 5th Jan,2015
25. Attended a Two day workshop on “ **Advanced trends in Embedded Ssteme, ATEs-2014**” conducted by Dept. of EEE , PVPSIT from 28.02.2014 to 1.03.2014.
26. Attended two-week ISTE workshop in association with IIT Bombay on” **Cyber Security**” during 10th – 20th July, 2014. It is conducted under the National Mission on Education through ICT, MHRD, and Govt. of India.
27. Two week workshop on “**Signals and Systems**” organized by ECE Dept, PVPSIT, Kanuru. From 2nd to 12th January 2014
28. Attended two-week ISTE workshop on “**Analog Electronics**” Conducted by IIT, Kharagpur from 4th June to 14th June 2013 in association with PVPSIT, Kanuru.

COURSE ERA:

1. Completed course on “Computer Vision - Object Tracking with OpenCV and Python”, Coursera, from 10-8-2020 to 21-08-2020.
2. Completed course on “AI for Everyone”, Coursera, from 21-4-2020 to 12-06-2020.
3. Completed course on “Technical Support Fundamentals”, Coursera, from 1-5-2020 to 27-05-2020.
4. Completed course on “Introduction to MAT LAB”, through Course Era.
5. Completed course on “Computer Vision – Object Detection with OpenCV and Python”, Coursera, from 10-8-2020 to 21-08-2020.

ACHIEVEMENTS:

- Awarded Class B-Grade in e-yantra TBT 2016 organized by IIT-Bombay.

ONLINE COURSES:

1. NPTEL Online Certification course : “OP-AMP BASED ” Jul-Oct 2018 (12 week course).