



Mrs. T L SPANDANA

Assistant Professor

Department of Electronics & communication Engineering

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Interests: VLSI ; Image Processing;

Course Taught Previously:

UG

- Analog and Digital IC Applications
- Pulse and Digital Circuits
- Digital Electronics
- Random Variables and Stochastic Process
- Digital IC Applications
- Basic Electrical and Electronics Engineering
- Analog Electronic Circuits
- Electromagnetic waves and Transmission Lines
- Basic Electrical and Electronics Engineering Lab
- Electronic Devices and circuits Lab
- Digital Electronics Lab
- Verilog HDL Lab
- Pulse and Digital Circuits Lab
- Analog and Digital IC Applications Lab

Publications:

International Journals:

[1]**T.L.Spandana**, J.S.Rose Victor Published by "An Adaptive Instruction Decoding & Memory Efficient Pattern Matching Algorithm" proceedings of International Journal of Engineering Trends and Technologies (IJETT- 2013), Vol No. 5, Issue No. 7, Page no. 388 - 392, ISSN:2231-5381.

[2]**T.L.Spandana**, M.Anusha Published by "Performance Analysis of Reversible design of BCD adder" proceedings of International Journal of Advanced Research and Development (IJARD-2016), Vol No.1, Issue No. 11, Page no. 39 - 43, ISSN: 2455-4030.

[3]**T.L.Spandana**, N.Sree Ilaya,P.puja Pranathi,G.Dillep,P Sai chand Published by "Real Time Moving Objects Tracking Based on Mean Shift Algorithm using MATLAB" International Journal of Scientific Research in Engineering and Management(IJSREM- 2020), Vol No.4, IssueNo. 5, ISSN: 2582-3930.

- [4] **T.L. Spandana**, K.Neeraja, N.Varshitha, K.Mohan Sai , G.Lalit Sriharsha”
Image Processing Based Fire Detection System using Raspberry Pi System” International Journal of Creative Research Thoughts (IJCRT), volume 11,May 2023.
- [5]**T.L.Spandana**, V.Anirudh, S.Sanjay S.Priyanka , S.Devi prasad and V. Kereeti
“MONITORING AND SENSING OF HARMFUL GASES USING IOT AND WSN
“International Journal of Creative Research Thoughts (IJCRT), volume 11.,May 2023.

Conference Proceedings:

- [1] Participated in conference on “Developments of Approximate Computing: From Algorithm Level to System Level” International Conference on Computing, Communication and Power Technology (IC3P)-2023.
- [2] Participated in conference on “Tumor Identification and Classification of MRI Brain Images Using Deep Learning optimizers” in 3 rd International Conference-Wireless Antenna and Microwave Symposium -2024, March IEEE.

Seminars, Workshops,FDPs and STTPs:

- [1] Attended a Two-day Faculty Development Programme on "Advanced Digital Signal Processing applications.(ADSP-A)" organized by Department of Electronics and Communication Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada. On 12-13 Sep, 2015.
- [2] Attended “A NATIONAL WORKSHOP ON Advanced Antenna Design(NWAAD-2K16)” under TEQIP-II, on Oct 19th -21st, 2016 organized by Department of E.C.E, Andhra University College of Engineering (A).
- [3] Attended one-weekFaculty Development programme(FDP) on “Advances in practical Antenna Design” organized by E & ICT Academy, NIT Warangal at Department of ECE Raghu Engineering College, Visakhapatnam.
- [4] Attended “NATIONAL WORK SHOP ON CST Microwave Studio Organized by Department of E.C.E, Vignan’s Institute of information Technology (Autonomous), Duvvada, Visakhapatnam, on 22nd and 23rd June 2017.
- [5] Attended the NI Engineering Education & Research Seminar at Welcome Hotel GrandBay, Beach Road, Visakhapatnam on 11 September 2017
- [6] Attended a one-week Faculty Development Program on “Real Time Embedded Systems and IoTIts Applications” on 2nd to 8th June,2018 organized by Department of Electronics and Communication Engineering at Raghu Institute of Technology, Visakhapatnam.
- [7] Attended and successfully completed the C04 – IPR Professional primer course on 23rd April,2019 at Raghu Institute of Technology
- [8] Attended a 3days workshop on “Antenna-EMI/EMC effects on environment” at CENTURION UNIVERSITY Visakhapatnam on 28-30th May 2019
- [9] Attended AICTE Sponsored two-week FDP on “Engineering challenges for making Digital India IOT & Applications” at ANITS College on 11th to 24th June, 2019
- [10] Attended a one-day technical talk on “Usage of ICT tools for Enhanced Learning Outcomes in Higher Education and Technical Paper Writing Skills” on 14th December 2019 organized by IEEE Vizag bay sub section.

- [11] Participated in Online FDP on the theme Inculcating Universal Human values in Technical education organized by AICTE From 06-03-2023 to 10-03-2023
- [12] Participation in one day international workshop on Advances in Wireless Communications and Antenna Technologies for Space, Vehicular and Ground Applications Jointly organised by Raghu Institute of Technology (A) and Raghu Engineering College (A), Dakamarri Visakhapatnam, Andhra Pradesh on 12th June, 2023.
- [13] Participated in Three-day online FDP on “VLSI Design and Development” organized by the Department of ECE during 22-06-2023 to 24-06-2023 in IETE Students chapter.
- [14] Participated in one week ATAL online FDP on “VLSI Design and Development” organized by the GMRIT, Department of ECE during 16-12-2024 to 21-12-2024.

Additional Responsibility:

Class coordinator, NBA, and NAAC Criteria related works.

Member in:

- [1] Life Member, Wireless Antenna and Microwave Symposium (WAMS)(ID:2010)
- [2] IEEE (Member No: 99905257)-2024

EXTRACURRICULAR ACTIVITIES:

Encouraging and helping the students to participate in national level seminars, activities, at various prestigious institution

Online Course Certification's:

- [1] Completed a NPTEL course on “Image and Video Processing” with silver and top 5% certification conducted by IIT Madras.
- [2] Completed a Coursera course on “machine learning Applications”.