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Bio-data

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Nationality : Indian

Religion : Hindu

Educational Qualifications:

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph.D (Pursuing)	Vels Institute of Science, Technology & Advanced Studies, Chennai	Cognitive Radio using Machine learning	Pursuing
2.	M.Tech	JNTU Anantapur	Digital Electronics and Communication Systems	2017
3.	B.Tech	JNTU Anantapur	Electronics & Communication Engineering	2014

Professional Experience :

S.No.	Institution/Organization	Position held	Duration
1.	KSRM College of Engineering, Kadapa	Assistant Professor(Adhoc)	2018-2019
2.	JNTUA College of Engineering, Pulivendula	Assistant Professor(Adhoc)	2019-Present

Teaching Experience: 4+years of teaching UG & PG Courses

Subjects Taught:

Undergraduate courses	Laboratories Handled
<ul style="list-style-type: none">❖ Antennas and Wave Propagation❖ Electronic Circuit Analysis and Design❖ Network Theory❖ Digital Communications❖ Fundamentals of Communications❖ Analog Communications	<ul style="list-style-type: none">❖ Networks Lab❖ Electronic devices and Circuits Lab❖ Semiconductor devices and Circuits Lab❖ Digital Communications Lab❖ Electronics and Communication Engineering Workshop

Number of Research publications:

International journals:	04
International Conferences:	02
National Conferences:	02

List of publications:

International Journals:

1. Published the paper titled “Secure data Transmission using Barcode Modulation and Demodulation in Mobile Devices” in International journal of Innovative Technologies at Hyderabad, India, ISSN:2321-8665, volume:05, issue:09 in the year 2017.
2. Published the paper titled “Effective Enhancement of Underwater Images Using Multiscale Fusion Technique” in SCOPUS (Design Engineering), ISSN:0011-9342, issue:7 in the year 2021.
3. Published the paper titled “Fuzzy Optimized Particle Swarm Algorithm For Internet of Things Based Wireless Sensor Networks” in Springer Nature (ICDSA 2022) volume:01, in the year 2023. This paper is part of the book series Networks and systems.
4. Published the paper titled “Chatbot Using Machine Learning” in Mukth Shabd UGC care Group-1 journal, ISSN:2347-3150, volume:07, issue:02 in the year 2023.

National Conferences:

- participated in National conference on sustainable electronics and applications (NC'SEA-21) on 21st August 2021 organized by Department of Electronics and Communication Engineering, Annamacharya

Institute of Technology and Sciences,Rajampet. Paper Name: IOT Based Wireless System For Deaf and Hard for Hearing.

➤ participated in National conference on Recent Trends in Engineering and Technology - 2021 (RTET - 2021) on 29th December 2021 organized by Department of Electronics and Communication Engineering KSRM College of Engineering (Autonomous) Paper Name: Dual Axis Solar Tracker Using Arduino.

International Conferences:

➤ Presented the paper titled “Fuzzy Optimized Particle Swarm Algorithm For Internet Of things Based Wireless Sensor Networks” in InterNational conference on Data Science and Applications (ICDSA-22) on 26-27 March 2022.

➤ Presented a paper titled “Enhanced Deep Learning architectures for Spectrum Sensing in Cellular Networks” in IEEE XPLORE COMPLAINT ISBN 979-8-3503-9663-8,8th International Conference on Communication and Electronics Systems (ICCES 2023) organized by PPG Institute of Technology,Coimbatore,India on 1-3,June 2023.

Workshops attended:

- Participated in AICTE sponsored one week online short-Term training program on "**Practical Exposure on Machine Learning and Data Science**" organized by Department of ECE,GPREC(A),Kurnool during 13th september to 18th september 2021.
- Participated in a five day national level online FDP on "**Trends in Electronics and communication Engineering**" organized by Department of ECE, Sri Vasavi Engineering college ,Tadepalligudem ,Andhra Pradesh.
- Participated in a Three day national level online FDP on "**Research** Topics in VLSI and Industry Trends " organized by Department of ECE, GMR Institute of Technology, Rajam, during 29th to 31stMay 2020.
- Completed Two week FDP on "**Matlab Tools and their Application in Engineering**" from 25/05/2020 to 07/06/2020 conducted by Data Teach Labs
- Participated in Five-Day Faculty Development Program on " VLSI and Embedded systems Design for Aerospace and Defence Applications " GPREC(A),Kurnool during **10-08-2020 to 14-08-2020**.
- Participated in one week Faculty Development Program on " Deep Learning:Perspectives,Trends and Research Prospects " organized by Department of EEE and NI LabView Academy, GPREC(A),Kurnool during **25-10-2021 to 30-10-2021**.
- Participated in One Week Faculty Development Program on " Internet of Things [IOT] Machine Learning [ML]" organized by Department of ECE ,GPREC(A),Kurnool during 20/09/2021 to 25/09/2021.
- Participated in One Week Faculty Development Program on " Machine Learning Algorithms for Dead Time Systems (MLADTS)" organized by Department of ECE , Geethanjali College of Engineering and

Technology, Hyderabad, in association with Indian Society for Technical Education, during 24 - 29 January,2022

- Participated in Five days Faculty Development Program on " Cognitive Computing" organized by Department of ECE,Vels institute of science Technology&Advanced Studies in association with IETE,Chennai during 20-03-2023 to 24-03-2023.
- Participated in Five days Faculty Development Program on " Design and Implementation of advanced VLSI Architectures" organized by Department of ECE , Lakireddy Bali Reddy College of Engineering,Mylavaram, NTR district,Andhra Pradesh,India during 13-03-2023 to 17-03-2023.
- participated in the "INTRODUCTION TO BASIC ELECTRICAL COMPONENTS AND ITS FUNCTIONS WORKSHOP" presented by Mr.P.Krupakiran, Associate Professor, EEE dept, IITS organized by Internal Quality Assurance Cell & EEE department of Indira Institute of Technology and Sciences,Markapur on 22 July 2023.
- participated in the "Importance of communication Skills Workshop" presented by Prof.Dr.Ushaa Eswaran, Principal - IITs, organized by Internal Quality Assurance Cell & Mechanical department of Indira Institute of Technology and Sciences, Markapur on 14 July 2023.
- attended the SEMINAR in the topics "Growth of Generations 1G,2G,3G,4G,5G, Solar Powered Irrigation Systems, Bio Electronics, Future generations' reliance on Electronics" organized by Internal Quality Assurance Cell & ECE department of Indira Institute of Technology and Sciences,Markapur on 11 July 2023.
- participated in the "Identification of Electronic Components Workshop" organized by Internal Quality Assurance Cell & ECE department of Indira Institute of Technology and Sciences, Markapur on 10 July 2023.
- participated in the "Life Inspired Vision Board Workshop" organized by Internal Quality Assurance Cell & ECE department of Indira Institute of Technology and Sciences, Markapur on 10 July 2023.
- Attended the PERSONALITY DEVELOPMENT WORKSHOP in the topic"QUALITIES OF SUCCESS" organized by Internal Quality Assurance Cell of Indira Institute of Technology and Sciences, Markapur on 11 July 2023.
- Participated in **30** days Faculty Development Program on " Internet Of Things" organized by Pantech Learning Pvt Ltd,Chennai from 12-07-2023 to 12-08-2023,Certificate Number:PEL_PART_IOT_0832.
- Participated in **30** days Faculty Development Program on " Amazon Web Services" organized by Pantech Learning Pvt Ltd,Chennai from 07-06-2023 to 07-07-2023,Certificate Number:PAN_AWS_PART_346.
- participated in the "Synergizing Technology and Engineering Practices-STEP" presented by Prof.Dr.Ushaa Eswaran, Principal - IITs, organized by Internal Quality Assurance Cell & Mechanical department of Indira Institute of Technology and Sciences, Markapur on 19 July 2023.
- Participated in National Level Guest Lecture on the theme of "Nanoscience and Technology For Better Future",jointly organized by the Department of physics(DST-FIST Sponsered),Koneru Lakshmaiah Educational Foundation(KLEF),Guntur&Materials Research Society of India(MRSI),Mumbai on 30/06/2023.

- Successfully Completed Five days Faculty development program on "Cognitive Computing" Organized by Department of Electronics and Communication Engineering, Vels Institute of Science Technology & Advanced Studies (VISTAS), In association with IETE, Chennai from 20/03/2023 to 24/03/2023.
- participated in the IETE Knowledge Sharing Session (KSS) – 102: Webinar - 134 on "Exploring HFSS: Advanced Software for Antenna Design and Simulation" organized by IETE, Hyderabad Centre on 11th June 2023.

Declaration:

I hereby declare that the information furnished above is true to the best of knowledge

(M.MANI KUMAR REDDY)