



Mr. V MOHANA GANDHI

Assistant Professor

Department of Electronics & communication Engineering

Raghu Engineering College - 531162, Visakhapatnam, INDIA

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Interests: signal processing, Wireless sensor Networks, AI & ML, IoT;

Course Taught Previously

UG.

- Embedded Systems
- Digital Logic Design
- Digital electronics
- Professional human values and rights
- Semiconductor diodes and Applications

Laboratories Handled

- Electronic Devices and circuits Lab
- PDC lab
- Digital electronics lab
- Digital integrated circuits applications lab
- DSP Lab
- Microwave and Optical Communication Lab
- MPMC lab

Publications

International Journals

- I Published a paper in Journal of Data Acquisition and Processing is “Automated IOT based Field Irrigation System using NODE MCU”2022-23
- I published a paper in International Journal of Analytical and Experimental modal Analysis is “Design of XOR Hybrid Adder with Low Power and Low Area ”
- I Published a Paper Mukta Shabd Journal is “SOCIAL DISTANCE”
- I Published a Paper Mukta Shabd Journal is “SPEECH ENHANCEMENT USING DNN”
- I Published a Paper In IOSR Journal Is “**Multi-Hop Gateway Energy Aware Routing(M-Gear) Protocol For Wireless Sensor Networks**”.

PATENT PUBLICATION: NO

Conference Proceedings

PHDs Supervised

Name of Student	Area of Research	Remarks *
NILL		

Workshops/Conferences/Seminars/Symposiums organised

Conferences/Symposiums

S. No	Name of the Programme	Dates	Sponsored by	Role
1	ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING WITH MATLAB AND SIMULINK	23RD to 25th NOV 2022.	Department Of ECE, REC in association with CAPRICOT Technologies Pvt. Ltd, Hyderabad	TECHNICAL COORDINATOR

Seminars, Workshops and STTPs

S. No	Name of the Programme	Dates	Sponsored by
1	Advances in Wireless Communications and Antenna Technologies for Space, Vehicular and Ground Applications	12th June, 2023.	Jointly organized by Raghu Institute of Technology (A) and Raghu Engineering College (A)
2	Inculcating Universal Human Values in Technical Education	31st October to 4th November 2022	All India Council for Technical Education (AICTE)
3	ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING WITH MATLAB AND SIMULINK	23RD to 25th NOV 2022.	Department Of ECE, REC in association with CAPRICOT Technologies Pvt. Ltd, Hyderabad
4	Analog & Digital IC Design Using CADENCE Design Flow	26th OCT to 29th OCT 2022	Department Of ECE, REC in association with Entuple Technologies Pvt. Ltd, Hyderabad

5	MACHINE LEARNING IN REAL TIME EMBEDDED & IOT APPLICATIONS	2nd- 12th May, 2022	Ministry of Electronics and Information Technology (MeitY) Gol, organized by E&ICT Academy, NIT Warangal and Department of Electronics and Communication Engineering, Raghu Engineering College, Visakhapatnam
6	Recent advances in IoT and Machine Learning: Application and Hands-On	16 th – 18 th December 2021.	Raghu Engineering College
7	Smart Cities	7 th – 11 th December 2020.	Lendi Institute of Engineering and Technology
8	Cybersecurity	3 rd - 5 th June 2020	by Anurag University
9	Multi-carrier modulation in broadband communication and technology in 5G	29 th - 30 th May 2020	Raghu Engineering College
10	Real-time Embedded Systems & IoT, its applications	2 nd - 8 th June 2018	E&ICT academy NIT Warangal at Raghu Institute of Technology, Visakhapatnam

Visit to outside institute/organization:

S. No	Instit. visited	Organization	Purpose of visit
NILL			

Continuing Education / OIP Short Term Lectures / Special Lectures given:

S. No.	Title of Lecture / Lecture Series	Place
NILL		

Details of professional training and research experience

S.No.	Title of the Course	Place	Year	Duration
NILL				

Projects

Sponsored R & D, Consultancy Projects:

S. No	Title of Project	Funding Agency	Financial Outlay	Project Period	Project Status
NILL					

Awards and Honors

- Secured **ELITE** NPTEL Exam for the course Switching Circuit and Logic Design (July-Oct 2019).
- Secured **ELITE** in NPTEL Exam for the course Principles of Signals and Systems (Jan-Apr2019).
- Awarded **Silver Medal** in Master of Technology (Digital Electronics and Communication Systems) during the academic year 2014-15

Additional Responsibility

RESPONSIBILITIES WITHIN THE INSTITUTE:

1. JNTUK Exam Cell Co-Incharge
2. 2nd year Mentor
3. Department Sports Co-Ordinator

POSITIONS HELD OUTSIDE THE INSTITUTE:

Nil