

## **FACULTY PROFILE**

**Name of the faculty: MANNE GALEEB**

Department: Electronics and Communication Engineering

College: Gudlalleru Engineering College

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### **RESIDENTIAL ADDRESS:**

Door no:7-3,Near Srilanka colony, vuyyuru(v),  
vuyyuru(M).pin- 521165

### **ACADEMIC QUALIFICATIONS:**

M.Tech, pursuing Ph.D. at JNTU-GV, Vizainagaram, AP.

### **ACADEMIC REWARDS / ACHIEVEMENTS:**

- GATE 2010 qualified.

### **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Assistant Professor	Gudlalleru Engineering College	July 29 <sup>th</sup> 2022 to till date
Assistant Professor	RAMACHANDRA College of Engineering- Eluru	10 months Oct 1 <sup>st</sup> 2021- July 29 <sup>th</sup> 2022
Assistant Professor	Usha Rama College of Engg & Technology - Telaprolu	5 years 3 months June 6 <sup>th</sup> 2016- Sep 30 <sup>th</sup> 2021
Assistant Professor	Nimra Group of Colleges, Vijayawada	2 years July 1 <sup>st</sup> 2014- May 30 <sup>th</sup> 2016
Assistant Professor	Kaushik College of Engineering, Visakhapatnam	2 years 2 months June 6 <sup>th</sup> 2009- Aug 30 <sup>th</sup> 2011
Assistant Professor	Sana Engineering College, Kodada	11 months June 4 <sup>th</sup> 2008- May 25 <sup>th</sup> 2009

## PROJECTS GUIDED:

PhD	Post-Graduation	Under Graduation
-	3	11

**SPECIALIZATION:** Microwave and Communication.

## RESEARCH PAPERS / BOOKS:

### PAPERS PUBLISHED IN JOURNALS:

1. **M Galeeb** “Triple stub enclosed CPW fed patch antenna for Wi-Fi/ISM/Bluetooth and V2V Auto-motive communication”, JETIR, April 2023, Vol-10, Issue-4.
2. **M Galeeb** “DESIGN OF AES USING VERILOG” Juni Khyat ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-12 Issue-01 No.01: 2022.
3. Shaik.Bajivali, **M Galeeb**, “DESIGN A HIGH SPEED AND HIGH SECURE 16\*16 SRAM ARRAY USING 22nm“ Journal of Critical Reviews (JCR), Vol-7, Issue-15.2020.
4. G Srikanya, P kanaka raju, **M. Galeeb**, “ANALYSIS OF VARIOUS 8T SRAM DESIGNS USING DTCMOS TECHNIQUE“ International Journal of Research in Electronics and Computer Engineering (IJRECE), Vol-5, Issue-4. July - Aug, 2017. (Available online: [http://ijrece.com/Login.aspx?ArticleId=IJRECE/V5/52609&MenuName=Volume-5,%20Issue-5PW:ijrece#@\\$2609](http://ijrece.com/Login.aspx?ArticleId=IJRECE/V5/52609&MenuName=Volume-5,%20Issue-5PW:ijrece#@$2609))
5. **M. Galeeb**, TThirupathirao, “ESTABLISHING AN EFFICIENT COMMUNICATION FOR LOW POWER APPLICATIONS”, International Journal of Innovative Research In Advanced Technology ISSN: 2319-1467, Vol 1, issue:01 page:7910-19, January 2016 (Available online: <https://ijirat/publications.org/journals>).
6. **M Galeeb** “A Novel Approach of Rayleigh Fading Channel and MIMO Multiple Relay Assignment in OFDM-based System using amplify-and-forward(AF) Relay Strategies”(IJERT) ISSN: 2278-0181 Vol. 2 Issue 11, November – 2013. (Available online: <https://www.ijert.org/research/a-novel-approach-of-rayleigh-fading-channel-and-mimo-multiple-relay-assignment-in-ofdm-based-system-using-amplify-and-forward-af-relay-strategies-IJERTV2IS111051.pdf>)

### PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

#### LIST OF WORKSHOPS ORGANIZED:

- Coordinator for “ROBOTICS” workshop in URCET.
- Coordinator for “PCB Design” workshop in URCET.
- Coordinator for TECHNICAL QUIZ for URFEST in URCET.

## LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- **One week** (from 21<sup>th</sup> – 25<sup>th</sup> October, 2024) Hands-on training **DST-SERB Sponsored Workshop** on workshop on “**Design Challenges in AI based Antennas for 5G Beyond, V2V Communication Applications: Theory to Practice, Machine Learning Approach**”, organized by Department of Electronics & Communication Engineering, Sri Vasavi Engineering College (Autonomous) Pedatadepalli, Tadepalligudem, West Godavari - 534101, A.P, INDIA.
- **Five Days** (June 24<sup>th</sup> -28<sup>th</sup>, **2024**) Hands-on training workshop on “**CMOS-MEMS Integrated Sensor Technology for Human Centered Applications in Healthcare, Safety, and Environmental Sensing: A Theory to Practice**”, organized by Department of Electronics & Communication Engineering, Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Vijayawada.
- **Five Day Refresher** course on “**Computer Networks**”, during 18<sup>th</sup> June -22<sup>nd</sup> June **2024**.
- **Five Day’s** (April 22<sup>nd</sup> -26<sup>th</sup>, **2024**) online Faculty Development Program (FDP) on “**Next Generation RFIC: Design, Fabrication and Characterization**”, organized by Department of Electronics & Communication Engineering, Amrita school of Engineering, Amrita Vishwa Vidyapeetham , Coimbatore, India.
- **One Week Refresher Course** on “Transmission Lines and Waveguides ”organized by Department of Electronics and Communication Engineering, Seshadri Rao Gudlalleru Engineering College during 29<sup>th</sup> January–2<sup>nd</sup> February **2024**.
- **One Week Refresher Course** on “Microcontrollers and Embedded Systems ”organized by Department of Electronics and Communication Engineering Seshadri Rao Gudlalleru Engineering College during 9<sup>th</sup> January–13<sup>th</sup> January **2024**.
- **One Week** online Faculty Development Program on “Quantum Signal Processing”, organized by Department of Electronics & Communication Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR District, In Association with IETE, Vijayawada center held during 14.12.2023 to 20.12.2023.
- **One week** (from 05<sup>th</sup> – 10<sup>th</sup> June, 2023) **DST-SERB Sponsored Workshop** on “**Design and Simulation of Miniature Antennas Using Machine Learning for IoT Applications (DSMAMIA-2023)**” Organized by MVGR College of Engineering, vizayanagaram.
- **One week** (April 18<sup>th</sup> to 23<sup>rd</sup> 2022) **FDP** On “Low Power VLSI & its Industry trends” Organized by Department of Electronics and Communication Engineering at sanskrithi school of Engineering puttaparathi.
- **7 Days’** (27 March-02 April, 2017) **Workshop** on “**QIP Short Term Course cum Workshop on Industrial Applications of Terahertz Radiation**’ ‘At Organized By, **IIT Kharagpur**-721 302, Venue: S N Bose Auditorium, **IIT Kharagpur**.

- 3-Days (29TH Nov to 1st Dec 2016) **FDP** On “DESIGN AND ANALYSIS OF RF ANTENNAS USING HFSS” Organized by Department of Electronics and Communication Engineering at LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING, MYLAVARAM
- One Week (16th – 20th December 2019) **FDP** On “VLSI Chip Design Hands-on using Open-Source EDA” Jointly Organized by Electronics and ICT Academy Supported by Ministry of Electronics and Information Technology (Meity), Govt. Of India, At Malaviya NIT Jaipur.
- One Week (8th – 12th July 2019) **FDP** On “VLSI Chip Design Hands-on using Open-Source EDA” Jointly Organized by Electronics and ICT Academy Supported by Ministry of Electronics and Information Technology (Meity), Govt. Of India, At Malaviya NIT Jaipur.
- One Week (1st – 5th July 2019) **FDP** On “Antenna trends” Jointly Organized by Electronics and ICT Academy Supported by Ministry of Electronics and Information Technology (Meity), Govt. Of India, At Malaviya NIT Jaipur.
- One Week (3rd – 7th December 2018) **FDP** On “Wireless and Mobile Communications” Jointly Organized by Electronics and ICT Academy Supported by Ministry of Electronics and Information Technology (Meity), Govt. Of India, At Malaviya NIT Jaipur.
- 24th – 29th August 2020. AICTE Sponsored One Week Online **Short-Term Training Program (STTP-II)** On “Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS” Organized by Department of Electronics & Communication Engineering, SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN(Autonomous)Vishnupur, Bhimavaram.
- 5 Day’s (01-06-2020 to 05-06-2020) **FDP** On “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles” At Organized by Department of Electrical & Electronics Engineering, Bapatla Engineering College, Bapatla.
- 5 Day’s (01-06-2020 to 05-06-2020) **FDP** On “National level Faculty developments program on multidisciplinary Approach towards Emerging Trends in science and humanities” At Organized by RAMACHANDRA COLLEGE OF ENGINEERING, ELURU.
- Attended in 3-DAYS (4th Jan to 6th Jan 2018) **Workshop** On “RESEARCH METHODOLOGY” organized by Koneru Lakshmaiah Education Foundation (KL University) at Vaddeswaram
- Participated in One day National Level **Workshop** on “ANTENNA DESIGN

USING HFSS” in UshaRama College of Engineering.

### **CERTIFICATIONS/Training Programs Attended No: 2**

- 7 Days’ (27 March-02 April, 2017) **Workshop** on “**QIP Short Term Course cum Workshop on Industrial Applications of Terahertz Radiation**’ ‘At Organized By, **IIT Kharagpur-721 302**, Venue: S N Bose Auditorium, **IIT Kharagpur**.
- 24th – 29th August 2020.AICTE Sponsored One Week Online **Short-Term Training Program (STTP-II)** On “Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS” Organized by Department of Electronics & Communication Engineering, SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN(Autonomous)Vishnupur, Bhimavaram.

### **GUEST LECTURES DELIVERED: ----**

### **MEMBERSHIP IN PROFESSIONAL BODIES: SDIWC, IAENG, ISRD**

- The Society of Digital Information and Wireless Communications (SDIWC)
- INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)
- INTERNATIONAL SOCIETY FOR RESEARCH AND DEVELOPMENT(ISRD)

### **CONSULTANCY ACTIVITIES: ---- GRANTS**

### **FETCHED: ----**

### **Subjects Handled**

#### **Under Graduation**

- Electromagnetic and Transmission line (EMTL)
- Microwave Engineering (MWE)
- Antennas and Wave Propagation (AWP)
- Control systems (CS)
- Digital communication (DC)
- STLD
- Radar system (RS)
- Electronic circuit analysis (ECA)
- Signals and Systems (SS)
- Electronic devices and circuits (EDC)

#### **Post-Graduation**

### **Labs Handled**

### **Under Graduation**

- EEEW LAB
- ACKT LAB
- LICA LAB
- ECA LAB
- MWE&OC Lab
- Digital Signal Processing lab (Matlab)
- AC, DC, EDC, STLD Labs

### **Post-Graduation**

### **Other Responsibilities**

#### **College Level**

#### **Department Level**

- T&P Department Co-ordinator 2
- MWE&OC Lab In-Charge
- Department Exam Cell In-Charge
- Student Counselling In-Charge

### **Projects Guided**

#### **Under Graduation**

<b>S. No</b>	<b>Name of the project</b>	<b>Year</b>
1	Solar based SMART Lighting depends on vehicles movement	2015
2	Automatic Train speed control by using singals	2016
3	Channal Estimation for OFDM Systems	2018
4	Design of U-Shaped microstrip patch antenna for WIMAX Application	2019
5	Efficient Direction of ARRIVAL Estimation using the MIMO Technology	2020
6	Implementation of Advanced Multiplier for various multimedia applications using approximate compressers	2021
7	Density and latency optimised two speed Radix4 modified booth multiplier	2021
8	Automatic Health Monitoring System	2022
9	Automatic Railway Gate control system	2022
10	Triple stub enclosed CPW fed patch antenna for Wi-Fi/ISM/Bluetooth and V2V Auto-motive communication	2023

11	Estimation of Channel using FFT in Intelligent Reflecting Surfaces For 5G and Beyond	2024
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### **Post-Graduation**

<b>S. No</b>	<b>Name of the project</b>	<b>Year</b>
1	ESTABLISHING AN EFFICIENT COMMUNICATION FOR LOW POWER APPLICATIONS	2016
2	ANALYSIS OF VARIOUS 8T1SRAM DESIGNS USING DTCMOS TECHNIQUE	2017
3	DESIGN A HIGH SPEED AND HIGH SECURE 16*16 SRAM ARRAY USING 22nm	2020

### **Guiding Ph. D Students – NIL Books**

**Published No. :**

### **R&D and Consultancy**

### **Curriculum Design and Development**

### **Extra-Curricular Activities:**

### **Declaration**

I hereby declare that all the above-furnished information is correct to the best of my knowledge.

Date: 1 -02-2025

Place Gudlavalluru

MANNE GALEEB

Signature