

Resume

Name: G.N.Sandhya Devi

D.o.B: 30 January 1991

e-mail id: gnsandhya031@gmail.com, gnsandhya@gecgudlallerumic.in

Address : D.no.10/267-2, Nagavarapadu, Polukonada Road, Gudivada, Krishna dt., A.P, India, 521301.

Academic Qualifications

S. no	Name of the Degree	College/University	Percentage of Marks/Grade	Specialization	Year of Pass
1	Ph.D	KLEF (Deemed to be University)		Signal Processing	Pursuing
2	M.Tech	Sri Sunflower Institute of Science and Technology	76	Digital Systems and Computer Electronics	2014
3	B.Tech	Gudlalleru Engineering College	83	Electronics and Communication Engineering	2012
4	Intermediate	Board of Intermediate Education	95	M.P.C	2008
5	S.S.C	Board of Secondary Education	85		2006

Professional Experience

S. No.	Designation	Institution Name	Working Period	
			From	To
1	Assistant Professor	Gudlalleru Engineering College	15-11-2019	Till date
2	Assistant Professor	Gudlalleru Engineering College	01-06-2016	31-05-2018

Professional Body Membership: 01

1. Enrolled as a member in Institution of Electronics and Tele-Communication Engineers (IETE) in the class of "MEMBER" with Membership no. M-505074.

Subjects Taught:

1. Introduction to Programming (ECE-R23)
2. Problem Solving Using C (ECE)
3. Satellite Communications (ECE)
4. Basic Electronic Devices (CSE)
5. Elements of Electronics Engineering (IT)

Labs Handled:

1. Computer Programming Lab (ECE-R23)
2. Problem Solving Using C (ECE)
3. Microwave and Optical Communications Lab (ECE)
4. Digital Circuit Design lab (ECE)
5. Elements of Electronics Engineering Lab (IT)
6. Data Structures Lab (ECE)

Papers Published in Journals: 01

1. G.N.Sandhya Devi, K.SriLakshmi, K.Ganesh, K.M.Mounika, K.Annapurneswara Rao, "Reversible Image Hiding using Histogram Shifting", International Journal for Innovative Engineering and Management Research, ISSN:2456-5083, pp.476-480, Vol.12, Issue 03, March 2023.

Papers Published in Conferences: 04

1. Presented a research paper entitled "Time Series Analysis for Weather Prediction Using Prophet Library" in "Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)" organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, India during July 29-30,2022.
2. Acted as reviewer for the research paper for "The Second International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES'22)" organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh, India during July 29 - 30, 2022.
3. G. Naga Sandhya Devi, Vinay Kumar Mittal, "Enhancing signal in Noisy Environment: A Review", Springer, Smart Innovation, Systems and Technologies book series (SIST, volume 248), pp.183-194, DOI: 10.1007/978-981-16-4177-0_20, *Fifth International Conference on Information and Communication Technology for Intelligent Systems (ICTIS)*, Ahmadabad, India, 23-24 April 2021.
4. G. Naga Sandhya Devi, Vinay Kumar Mittal, "Enhancing Speech in Noisy Environment: A Review", *IEEE Region 10 Symposium (TENSYP)*, Grand Hyatt Jeju, Republic of Korea, 23-25 August, 2021. *Publisher: IEEE, DOI: 10.1109/TENSYP52854.2021.9550835.*

Workshops Attended: 01

1. Attended a workshop "Winter School on Speech and Audio Processing" organized by KLEF, Vaddeswaram and IIT Madras from 09-12 December 2024.

Webinars Attended No.: 08

1. Attended a webinar on "Research Metrics and Software Tools" organized by Research and Development Cell, LBRCE, Mylavaram on 20th September 2021.
2. Attended a webinar on "What's New at IEEE for Libraries? Switching to Digital Learning" organized by EBSCO Information Services on 10th June 2021.
3. Attended One day National Level Training on "Effective Research Paper Writing Techniques", organized by Department of Civil Engineering, Koneru Lakshmaiah Education Foundation (KL Deemed to be University), Guntur in association with ICI, KLEF Student Chapter, on 06th June 2021.
4. Attended a National Level webinar on "Preventive Measures on Curb COVID-19" organized by Department of CSE in association with NSS, Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh, India on 03rd June 2021.
5. Attended a webinar on "Impact of Covid in Engineering Education and way forward" organized by Indian Society for Technical Education (ISTE) chapter, Gudlavalleru Engineering College, Gudlavalleru on 9th June 2020.

6. Attended a webinar on "Wireless Networking Technologies" organized by Department of Electronics and Communication Engineering, AIMS College of Engineering, Mummidivaram, on 25th May 2021.
7. Attended a three-day webinar FDP on "IoT with Artificial Intelligence" organized by Department of ECE, Sir CR Reddy College of Engineering, Eluru from 27th to 29th May, 2020.
8. Attended a webinar on "Radio Frequency Measurements for Cellular and Wireless Communication Systems" organized by Department of ECE, Gudlavalleru Engineering College on 25th May, 2020.

Certifications/Training Programs Attended No.: 32

1. Successfully completed 90-hour FD P on Written Communication with grade C+ at English Language Teaching Centre of Seshadri Rao Gudlavalleru Engineering College from 30 January 2024 to 10 September 2024.
2. Participated in One week Refresher Course on "Transmission Lines and Waveguides" organized by Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru from 29 January- 02 February 2024.
3. Participated in One week Refresher Course on "Microcontrollers and Embedded Systems" organized by Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru from 9-13 January 2024.
4. Participated in 3rd One week International Workshop on "Signal Processing using Machine Learning: Applications & Hands-On (Online)" organized by School of Electronics Engineering (SENSE), VIT-AP University, Amaravati, from 05-11 October 2023.
5. Participated in One week Faculty Development Program on "Applications of Computer Vision using Deep Learning" organized by Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru from 20-25 February 2023.
6. Participated in 10-day Online Faculty Development Programme on "Real life Applications of AI, ML and Data Science" organized by E&ICT Academy, NIT , Warangal and JIS University, Kolkata, Gudlavalleru from 7-16 April 2023.
7. Participated in One week National Level Online Faculty Development Programme on "Trends in Embedded Systems and IoT" organized by Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru from 20-25 June 2022.
8. Participated in Faculty Development Programme on "Insights of NEP 2020 and Strategies for its Implementation" organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on 12 June 2022.
9. Participated in One week National Level Online Faculty Development Program on "Signals, Systems and Transform Techniques" organized by Department of Electrical & Electronics Engineering, Maturi Venkata Subba Rao (MVSR) Engineering College (Autonomous), Hyderabad from 22-27 November 2021.
10. Participated in One week Online Induction Program on "Millimeter Wave Frequencies (Phase-III)" organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru from 17-24 August 2021.
11. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Recent Advances in Signal Processing" at Jawaharlal Nehru Technological University, Kakinada from 02-06 August 2021.
12. Participated and Completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Medical Image Processing and 3D Applications" from 05th to 09th July 2021 at University College of Engineering.
13. Participated and Completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Internet of Things" from 07th to 11th December 2020 at Gudlavalleru Engineering College .
14. Attended an National Level Online One Week Faculty Development Programme on "Recent Advances in VLSI and Embedded Systems (RAVDES-2020)" organized by Micro Electronics Research Group

(MERG), Department of Electronics and Communication Engineering, KoneruLakshmaiah Education Foundation KL Deemed to be University, Guntur from 14th to 19th September 2020.

15. Attended an Online Short Term Training Programme on "Blockchain Architecture Design and Use Cases (Smart Contracts with Ethereum Solidity)" Phase-III organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College from 24th to 29th August 2020.
16. Attended an Online Short Term Training Programme on "Blockchain Architecture Design and Use Cases (Decentralized Network Synchronization)" Phase-II organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College from 17th to 22nd August 2020.
17. Attended an Online Short Term Training Programme on "Blockchain Architecture Design and Use Cases" Phase-I organized by Department of Electronics and Communication Engineering, Gudlavalleru Engineering College from 10th to 15th August 2020.
18. Attended a one week Refresher Course on "Embedded System Design" organized by Department of ECE ,Gudlavalleru Engineering College, Gudlavalleru during 27th July-1st August, 2020.
19. Attended a National Level Online Faculty Development Program on "Cyber Security" organized by Department of Computer Science and Engineering & Information Technology, Gudlavalleru Engineering College, Gudlavalleru in association with CyberPsy from 22nd-26th July, 2020.
20. Attended a one week International Online Knowledge Development Program on "Challenges and Advancements in the Design of IoT, Embedded and VLSI systems: A Researchers View" organized by Department of ECE ,Gudlavalleru Engineering College, Gudlavalleru during 8th-13th June, 2020.
21. Attended a three day Faculty Development Program on "IoT with Artificial Intelligence" organized by Department of ECE ,Sir C.R Reddy College of Engineering, Eluru from 27th-29th May, 2020.
22. Attended a Five Day National Level Online FDP on "Modern Research Trends in Communication, Signal Processing and VLSI/MEMS", organized by the Department of Electronics and Communication Engineering, Andhra Layola Institute of Technology from 19th to 23rd May 2020.
23. Attended a two day Faculty Development Program on "Microstrip Antennas for Advanced Wireless Communications " organized by Department of ECE, KallamHaranadhareddy Institute of Technology in association with IETE, Vijayawada division from 15th-16th May, 2020.
24. Attended One Week Online Faculty Development Program on "Advanced Antenna Design Using HFSS" organized by Department of ECE ,Santhiram Engineering College ,Nandyal in collaboration with Vardhaman College of Engineering ,Hyderabad from 12th-17th May, 2020.
25. Attended a one week Faculty Development Program on "Data Acquisition and RT using LabVIEW" organized by Department of ECE ,Gudlavalleru Engineering College, Gudlavalleru in association with National Instruments, Bangalore from 25th-30th November, 2019.
26. A two week Faculty Development programme on "Entrepreneurship" organized by Center for Entrepreneurship Development(CED),Hyderabad (an undertaking of ALEAP -INDIA) at Gudlavalleru Engineering College, Gudlavalleru held during 6th-21st February, 2017.
27. A two day Staff Training Programme on "MATLAB Tools for Engineers-Hands on Experience" at Gudlavalleru Engineering College, Gudlavalleru during 10th-11th January, 2017.
28. A One Week National level Faculty Development programme on "Signals and Image Processing using LabVIEW" organized by Department of ECE, Gudlavalleru Engineering College, Gudlavalleru in association with NI systems pvt.ltd held during 13th-18th November, 2017.
29. A two day Faculty Training Programme on "Advances in VLSI Design and Embedded Systems" organized by Department of ECE ,Gudlavalleru Engineering College, Gudlavalleru during 6th-7th November, 2017.
30. Participated in 58 hour FDP- Communication Skills (Level I: Oral Communication) held at English Language Teaching Centre from October 2016 to February 2017 and successfully completed with Grade B+ in Gudlavalleru Engineering College.
31. A One Week Faculty Development programme on "Hands on Experience in Signal Processing Applications" organized by Department of ECE ,Gudlavalleru Engineering College, Gudlavalleru held during 7th-12th November, 2016.

32. A two day Staff Training Programme on “Simulation of Linear & Digital Integrated circuits, Microcontroller based Applications using NI MultiSim” organized by Department of ECE ,Gudlavalleru Engineering College, Gudlavalleru during 4th-5th November, 2016.

Other Responsibilities

College Level: Nil

Department Level:

- Class Teacher for I B.Tech ECE-A for the academic year 2024-25.
- Counsellor for II B.Tech students (20) and I B.Tech students (20) in the academic year 2024-25.
- Counsellor for IV B.Tech students and I B.Tech students (20) in the academic year 2023-24.
- Acted as TimeTable coordinator for II B.Tech from the academic year 2022-23, 2023-24, 2024-25.
- Acted as TimeTable coordinator for III B.Tech from the academic year 2021-22.
- Member in the Technolight from 2020-21 to till now.
- Acted as TimeTable coordinator for III B.Tech from the academic year 2020-21.
- Acted as Class Teacher for III ECE-A for the academic year 2020-21

NPTEL Certifications: 05

1. Successfully completed NPTEL-AICTE Online Course on “Introduction to Programming in C” with a consolidated score of 75% from January to March 2023.
2. Successfully completed NPTEL-AICTE Online Course on “Problem Solving through Programming in C” with a consolidated score of 77% from July to October 2022.
3. Successfully completed NPTEL-AICTE Online Course on “Digital Speech Processing” with a consolidated score of 82% from July to September 2022. Got Elite+ Silver and topper in this course.
4. Successfully completed NPTEL-AICTE Online Course on “Digital Circuits” with a consolidated score of 73% from September to December 2020.
5. Successfully completed NPTEL-AICTE Faculty Development Programme on “Digital Image Processing” with a consolidated score of 76% from September to December 2020.

NITTT Certifications: 04

1. Successfully completed NITTT Course on Module 1 “Orientation towards Technical Education and Curriculum Aspects” with a consolidated score of 86% from September to December 2020.
2. Successfully completed NITTT Course on Module 7 “Creative Problem Solving, Innovation and Meaningful Research and Development” with a consolidated score of 67% from September to December 2020.
3. Successfully completed NITTT Course on Module 3 “Communication Skills, Modes & Knowledge Dissemination” with a consolidated score of 67% from September to December 2022.
4. Successfully completed NITTT Course on Module 6 “Student Assessment and Evaluation” with a consolidated score of 65% from September to December 2022.

Guest Lectures Delivered: Nil

Projects Guided

Under Graduation: 03

1. Guided a Main project entitled “Reversible Image Hiding using Histogram Shifting” for the Academic Year 2022-23.
2. Guided a Main project entitled “Time Series Analysis for Weather Prediction using PROPHET library” for the Academic Year 2021-22.
3. Guided a Main project entitled “Smart Traffic Control System Using IOT (includes Movable Road Dividers and Smart Traffic Signals)” for the Academic Year 2020-21.

Post Graduation: Nil

Guiding Ph. D Students: Nil

Books Published No. : Nil

R&D and Consultancy: Nil

Academic Rewards / Achievements: Nil

Extra Curricular Activities: Nil

Declaration

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

Date: 01-02-2025

Place: Gudlavalleru

(G.N.Sandhya Devi)