

Name: Nagaratnam Buditi

Employee ID: A5ECE00T81

Designation: Assistant Professor

Department: ECE

Date of Birth: 19-07-1991

Father Name: B.Mohana Rao

Mother Name: Sandhya Rani

Reservation Category if Any:-

Address:House No:394, Back to Sivalayam,Hudco colony,Balaga,Srikakulam,532001.

Mobile Number:9337394308

Email id: smilypreeti20@gmail.com

Date of Joining in the Institution: 11-07-2024



Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
PhD	CV Raman Global University	-	-
M. Tech (ECE)	JNTUK,Kakinada	FIRST class	2022
B. Tech(ECE)	JNTU,Kakinada	FIRST class	2012

Total Years of Experience (Teaching/Industry):3 Years

Period		Organization/Institution	Designation
July 2024	Till Date	Aditya Institute of Technology and Management, Tekkali	Assistant Professor
May 2022	June 2024	Sri Sivani College Of Engineering, Srikakulam	Assistant Professor

Areas of Interest:

- Switching Theory and Logic Design
- Embedded System
- Digital Integrated Circuit Design
- Analog Communication
- Signals and Systems
- VLSI
- Analog electronic circuits
- IC applications
- Design Thinking
- VHDL
- MATLAB
- XILINX
- CMOS Design
- C Programming

Guidance of Academic Projects

Bachelor Projects:-4

Other Responsibilities:

- IQAC member
- Criterion –IV member(NAAC)
- Dept. Open Elective Coordinator
- Dept. EDC Coordinator(IIC)
- Class teacher
- Student Counselor
- B-tech Project Guide
- Mentor for the Design thinking projects
- Mentor for the tinkering lab projects

Memberships of Professional Societies and Other Organizations:

- IAENG (377422)
- IFERP (63796388)

Details of Publications:

International Journals:

1. **B.Nagaratnam, V.Surya Narayan** published a paper titled “Artificial Intelligence Framework for skin cancer detection and classification” in journal (**Science Technology and Development**, Vol .XI Issue VI JUNE 2022, **ISSN :0950-0707**).

Paper presented in Conference

1. “1st International Conference on Sustainable Computing & Intelligent Systems (**ICSCIS-2025**)” held on March 21 - 22, 2025 organized by Research & Development Cell, Poornima University, Jaipur, Rajasthan, India.

2. Presented paper titled with “**Biometric and OTP based E-passport using REID**” in the “1st International Conference on Innovative Emerging Technologies (**ICIET-2025**)” held on September 19th – 20th, 2025 organized by Dhanekula Institute of Engineering and technology, Ganguru, vijaywada, Andhra Pradesh, India.

3. Presented paper titled with “**IoT and AI for Proactive Hate Speech Monitoring in University Social Networks**” in the “1st International Conference on Innovative Emerging Technologies (**ICIET-2025**)” held on September 19th – 20th, 2025 organized by Dhanekula Institute of Engineering and technology, Ganguru, vijaywada, Andhra Pradesh, India

4. Presented paper in “**Clean Tech Entrepreneurship and Viksit Bharat**” (**ICEVB-2025**)” held on October 17th – 18th, 2025 organized by Parala Maharaja Engineering college, Berhampur, India

Patent Publications:

S.No.	Title of the Patent	Details Of Application	Date of applied or application	Status – Published/Applied
1.	Secure color: Deep learning based encryption for color images.	Application No.202441011977	08/03/2024	Published
2.	Machine learning-driven forecasting for enhanced solar energy management and smart grid optimization	Application No.202511017151	18/04/2025	Published
3	AI- driven sustainable drug discovery and development platform for climate resilient infectious diseases.	Application No.202531101826	22/10/2025	Applied

Book Publications:

S.No.	Title of the Book	Details Of Publication	Year of Publication	ISBN No.
1.	Embedded System - An Integrated Approach	Deccan International Academic Publishers,Registered	Nov 2023	978-81-966516-0-2

		under MSME		
2.	Analog Communication Systems:Principles and practice	Blue Duck publications	2024	978-81-19463-66-4

Details of FDP's:

Attended :Internal

S.No.	Dates	Name of the Program	Host Institution
1.	23/12/24 to 24/12/24	Design thinking for Innovation and Entrepreneur	AITAM

Attended :External

S.No.	Dates	Name of the Program	Host Institution
1.	13/09/22	Challenges and Solutions in OBE Implementation	Sri Sivani College Of Engineering
2.	17/08/23	Effective Preparation for NAAC assessment	Sri Sivani College Of Engineering
3.	25/02/24 to 29/02/24	Cutting Edge Technologies in Wireless Communications, Signal and Image Processing(CTWCSIP-2024)	GMRIT
4.	23/03/24	An Orientation Program Outcome Based Education and Peer Time Visit Readiness	Sri Sivani College Of Engineering
5.	29/07/24 to 02/08/24	Nano Materials Characterization And Applications	NITTTR,Chandigarh
6.	05/08/24 to 09/08/24	Preparing Students for Placements and Higher Studies	NITTTR,Chandigarh
7.	19/08/24 to	Semiconductor Devices Modeling and Circuit Technology	LENDI Institute of Engineering and

	24/08/24		Technology
8.	02/09/24 to 06/09/24	Deep Learning for Engineering Applications” organized by National Institute of Technical Teachers Training and Research	NITTTR,Chandigarh (ATAL fdp)
9.	10/02/25 to 15/02/25	Design thinking for Innovation and Entrepreneur”	NITTTR,Bhopal (ATAL fdp)
10.	17/02/25 to 22/02/25	AI for Science and Engineering	NIT,Nagaland
11	20/02/25	Building a career in VLSI Design	MAVEN SILICON
12	03/03/25 to 07/03/25	Teaching ECE lab subjects using free Simulators	NITTTR,Chandigarh
13	17/03/25 to 21/03/25	Python for Engineering Applications	E&ICT Academy IIT Roorkee.
14	10/04/2025 to 12/04/2025	‘LaTeX for Academics: Writing, Research and Beyond’	NSS College of Engineering, Palakkad.
15	21/04/2025 to 26/04/2025	Masterclass series under IP UTSAV	AICTE and Ministry of Innovation Council (MIC)
16	31/05/2025	AI for educational institution	Sanketika Vidyaparishad Engineering college &Pencilbitz publication
17	09/06/25 To 25/06/25	National LevelFDP on GENERATIVE AI and AGENTIC AI	ExcelR Edtech Pvt.ltd
18	17/06/2025 to	Participation in the "NEP-ORIENTATION & SENSITIZATION PROGRAMME"	Guru Angad Dev Malaviya Mission Teacher Training

	27/06/2025		Centre, SGTB Khalsa College, University of Delhi.
19	30/06/25 to 05/07/25	Offline FDP on Empowering Innovators with Progressive “ Design Thinking Approach ”	Dadi Institute of Engineering and Technology .
20	22/09/2025 to 27/09/2025	Role of Artificial Intelligence and Machine Learning in Smart Grids	INDIAN INSTITUTE OF TECHNOLOGY PATNA
21	06/10/2025 to 11/10/2025	Next-Gen Electronics and Communication Systems: Empowered by ML and AI at	NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

COURSERA /certifications:

Certifications:

- Achieved **GLOBAL GREEN REPORT video quiz completion certificate** in IGEN BATTERY VIDEO 2.0 and GLOBAL GREEN REPORT conducted by **Institution of Green Engineers**.
- Secured **NPTEL online certification** for “**Digital Circuits**”.
- Secured **NPTEL ELITE online certification** for “**Design Thinking**”.
- **Innovation Ambassador** certification by **MoE’s Innovation cell** and **AICTE**.
- Secured **NPTEL mentorship online certification** for **Internet of Things, IoT**.

Awards:

- Achieved **Aryabhatta International Educationist Award** by “**Welred foundation**”

B. Nagarathnam

Date: 31-10-25

Signature