Dr. Swathi Nadipineni

Designation	**:** Assistant Professor
E-Mail ID	**:** swathinadipineni@vrsiddhartha.ac.in
Contact at	**:** EI 430, Department of Electronics and Instrumentation Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, Andhra Pradesh-520007.

Education

Ph. D (Electronics and Communication Engineering)

2019, GITAM Deemed to be University, Visakhapatnam

M.Tech (Electronics and Instrumentation Engineering)

2011, Andhra University College of Engineering, Visakhapatnam

B.Tech (Electronics and Instrumentation Engineering)

2009, Bapatla Engineering College, Bapatla

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2018-Till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, research publications, academic leadership, department library incharge, managing department social media, website and newsletter.
2011-2015	Assistant Professor	Anil Neerukonda Institute of Technology and Sciences	Newsletter and Press coordinator, Timetables and attendance coordinator, Microcontrollers lab incharge.

Research Interests

Broad Area of Research:

Global Positioning Systems, Artificial Intelligence, Biomedical Instrumentation

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Global Positioning Systems & Applications	PG
2	VLSI Design	UG
3	Digital Circuits & Systems	UG
4	Virtual Instrumentation	UG
5	Biomedical Instrumentation	UG
6	Industrial Automation	UG
7	Computer Networks Engineering	UG
8	Micro Electronics	UG
9	Industrial Communication Networks	UG
10	Basic Electronics	UG
11	RTOS	UG

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?user=tpjkIJ8AAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57210611554
ORCID	https://orcid.org/0000-0002-0545-9991
Publons	https://www.webofscience.com/wos/author/record/AAR-3093-2020
Research Gate	https://www.researchgate.net/profile/Nadipineni-Swathi-2
LinkedIn	https://www.linkedin.com/in/swathi-nadipineni-04790015b/

Recognized Research Supervisor

S.No.	Department	University

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	-	FPGA-Based Portable	Applied	Sree PVF	Rs. 30	3 Years

S.No.		Title		Agency	Amount	Duration
		Ultrasound System for AI-Driven Detection, Segmentation, and Classification of Carotid Artery Plaque with Telemedicine Integration		research grant	Lakhs	
02.	-	Portable FPGA-Based AI Device for Early Detection of PCOS in Rural Women Using Ultrasound Imaging	Applied	Sree PVF research grant	Rs. 10 Lakhs	3 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Social And Electronic Media Coordinator-EIE	VRSEC	2023-Present	Providing information for timely updates on digital platforms
2	EIE Data Support to Annual Report, EC and GB meetings, JNTUK and SIRO processes	VRSEC	2020-Present	Providing timely and reliable data for administrative and academic needs
3	Department Library In-charge	VRSEC	2019-Present	Ensuring effective management of department library resources and provided awareness on e-resources
4	Member, Department Newsletter Team	VRSEC	2019-Present	Contributing to the preparation and dissemination of the departmental newsletter
5	Member, Department Website Management Team	VRSEC	2019-Present	Assisting in updating and maintaining accurate departmental website content
6	Department Social Media Coordinator	VRSEC	2019-Present	Enhancing department visibility by managing Department Official LinkedIn and Instagram pages

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Creative problem solving, innovation and	Swayam	8 Weeks	2022

	Meaningful R & D			
2.	Computer Networks and Internet Protocol	NPTEL	12 Weeks	2020
3.	Digital Electronics	NPTEL	12 Weeks	2019

Consultancy / Industry Projects

Completed	
On-going	
Applied	02

Patents

S.No	Title	Status	Application No.	Year
1.	Advanced dual authentication entry system	Published	396272-001	2023
2.	Method and System for Developing Portable Power Station for Charging Solar Based Electric Vehicles	Published	202241040632	2022
3.	A wireless portable handheld scanner device	Published	362265-001	2022
4.	A Wireless Networking of Medical Equipment's on Mobile Application for Paperless Clinic	Granted	2020103799	2021

Ph.D

Awarded	
Guiding	

Invited Talks

No. of Invited Talks	

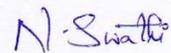## Professional Service / Reviewer

Reviewed papers for
- Scientific Reports
- IET Radar, Sonar & Navigation
- IET Microwaves, Antennas and Propagation
- Transactions on Emerging Telecommunications Technologies

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	24
International / National Level Seminars	00 / 01
International / National Level Conferences	17/ 04
Workshops	03
Instructor Led / Self-Paced Courses	08
Webinars	07

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	AM-236623	The Institution of Electronics and Telecommunication Engineers (IETE)

(Swathi Nadipineni)

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