

Dr. Vanka Saritha



Designation : Asst.Professor
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Contact at : Department of Electronics and Communication Engineering,
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 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Electronics and Communication Engineering)
 2024, Jawaharlal Nehru Technological University, Anantapur

M.Tech (Digital Electronics and Communication Systems)
 2011, Jawaharlal Nehru Technological University, Anantapur

B.Tech (Electronics and Communication Engineering)
 2002, Adam's Engineering College affiliated to Jawaharlal Nehru Technological University, Hyderabad

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2012- still	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, UG/PG guidance, research publications, academic leadership, NBA/NAAC coordination.
2008- 2011	Assistant Professor	Aurora scientific and Technological Institute, Hyderabad	Curriculum design, UG/PG guidance, research publications
2004- 2008	Assistant Professor	Swarna Bharathi Institute of Technology, Khammam	Curriculum design, UG guidance,
2002- 2004	Assistant Professor	SRR Engineering college, Khammam	Curriculum design, UG guidance,

Research Interests

Broad Area of Research :
 Antennas for wireless communications, IOT

Honors and Awards

● Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Electronic Devices and Circuits	UG
2.	Electronic Circuit Analysis	UG
3.	Linear Integrated Circuits	UG
4.	Electromagnetic waves and Transmission Lines	UG
5.	Electromagnetic field theory	UG
6.	Transmission lines and waveguides	UG
7.	Antennas and Wave Propagation	UG
8.	Probability Theory and Stochastic Process	UG
9.	Digital Signal Processing	UG
10.	Digital Communications	UG
11.	Wireless Communication and Networks	UG
12.	Electronic Measurements and Instrumentation	UG
13.	Wireless security	PG
14.	Random process and information theory	PG
15.	Network Theory	UG

Research Profile

Publications

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

Google Scholar	https://myaccount.google.com/?hl=en&pli=1
Scopus	https://www.scopus.com/authid/detail.uri?authorId=56600493600
ORCID	http://orcid.org/0000-0001-5257-555X
dblp	
Publons	https://publons.com/researcher/3695022/vanka-saritha/
Research Gate	https://www.researchgate.net/profile/Saritha_Vanka2
LinkedIn	https://www.linkedin.com/in/v-saritha-7b9769121/

Recognized Research Supervisor

S.No.	Department	University

Funded Research Projects

Completed	one
On-going	NIL
Applied	2

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Wide band wide beam circularly polarized antenna for Spectrum Monitoring Applications Microwave & Antenna Engineering	Applied	ISRO RESPOND	20,00,000	2 Years
02.	Funded	Adaptive Machine Learning Approach with Enhanced Isolation in Compact MIMO Antennas for 6G Applications	Applied	ANRF	33,00,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	IETE Co-ordinator	SAHE	2025-Present	Organizing Technical events frequently
2	Class Teacher	SAHE	2019-Present	Mentoring students in their Academic Performance and other co-curricular Activities
3	Internal Marks In charge	SAHE	2015-Present	Generating Department Internal marks report and submit to Exam section

4	Department Library Incharge	SAHE	2012-2025	Issuing Books to faculty and maintaining Department library
5	NBA criteria V Member	SAHE	2012-Present	File maintenance of FPADS
6	NAAC criteria III Member	SAHE	2012-Present	File maintenance of Faculty participation in and outside institution
7	ISO	SAHE	2012-present	File maintenance of 66F, 66G

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Digital Circuits	NPTEL	12 weeks	2024
2.	Introduction to IOT	NPTEL	12 weeks	2019

Consultancy / Industry Projects

Completed	NIL
On-going	NIL
Applied	NIL

Patents

Granted	NIL
Published	Application No.358157-001
Applied	1

Invited Talks

No. of Invited Talks	NIL
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Professional Service / Reviewer

- Scientific Reports
- Wireless Personal Communication
- Automatika: Journal for Control, Measurement, Electronics, Computing and Communications
- The Hertz Journal of Engineering
- International Research Journal of Multidisciplinary Technovation
- Bulletin of Electrical Engineering and Informatics

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	25
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International / National Level Seminars	05
International / National Level Conferences	15
Workshops	15
Instructor Led / Self-Paced Courses	
Webinars	12

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	F-505175	IETE

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