

Bandi Alekhya



Designation : Assistant Professor
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Contact at : EC355, Department of Electronics and Communication Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Electronics and Communication Engineering)

Pursuing, SRM Deemed University, Chennai

M.Tech (MWE)

2012, PVP Siddhartha Institute of Technology

B.Tech (Electronics and Communication Engineering)

2008, Koneru Lakshmaiah College of Engineering

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2013-Till Date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Publication Incharge, R&D coordination, Class teacher, Lab Incharge, Exam section Incharge, ISO, NBA/NAAC coordination.
2009-2010	Assistant Professor	Nimra Group of Colleges	

Research Interests

Broad Area of Research :

Antenna Design, RF Communications.

Honors and Awards

- Reviewer to scopus indexed journals and IEEE conferences

Courses Taught

S.No	Course Name	Level (UG/PG)
1	• Antenna and Wave Propagation • Signals & Systems • Optical Fiber Communication • Remote Sensing & GIS • Microwave Engineering • Control Systems • Radar Engineering • Universal Human Values • Satellite Communications • Digital Signal Processing	UG
2	• Research Methodology • Fiber optic communications	PG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Bandi++Alekhya&btnG=
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57202047569
ORCID	https://www.scopus.com/authid/detail.uri?authorId=57202047569

Recognized Research Supervisor

NIL.

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
02.	Funded	Controlled Radiation Pattern Antennas for Anti-jamming GNSS Terminals	Applied	ISRO-Respond		3Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Final year Exam section Incharge	VRSEC	2021-Present	Exam Section Management
2	R&D coordination	VRSEC	2013-present	Providing publication data to IQAC/R&D cell.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Machine Learning	Course era	8 Weeks	2022
2.	Communication systems	Course era	8 Weeks	2024

Consultancy / Industry Projects

NIL

Patents

S.No	Title	Status	Application No.	Year
1.	DEPLOYMENT OF THz PATCH ANTENNA SYSTEM AT 6G WIRELESS COMMUNICATION FOR HEALTHCARE APPLICATIONS.	Published	202541061486	2025
2.	IMPLEMENTATION OF COMPACT MONOPOLE SLOTTED PATCH ANTENNA SYSTEM FOR DUAL BAND WIRELESS COMMUNICATION	Published	202541061487	2025
3.	A THz PATCH ANTENNA SYSTEM DEVELOPED FOR 6G COMMUNICATION AT NANO SATELLITE APPLICATIONS	Published	202541061528	2025
4.	MONOPOLE MIMO CPW-FED PATCH ANTENNA SYSTEM WITH WIDER IMPEDANCE BAND FOR 5G APPLICATIONS	Published	202541068463	2025
5.	HIGH GAIN MULTI-BAND WITH COMPACT CASCADED PATCH ANTENNA SYSTEM FOR 5G AND SATELLITE COMMUNICATIONS	Published	202541079177	2025
6.	HIGH GAIN MULTI-BAND WITH COMPACT CASCADED PATCH ANTENNA SYSTEM FOR 5G AND SATELLITE COMMUNICATIONS	Published	202541079177 A	2025
7.	AN IOT AND MACHINE LEARNING-ENABLED SMART SOLAR-POWERED PESTICIDE SPRAYER FOR PRECISION AGRICULTURE	Published	202541026572	2025
8.	COMB SHAPED ANTENNA WITH SRR FOR ISM, WLAN AND WIFI APPLICATIONS	Published	202041034103	2020

Ph.D

NIL

Invited Talks

NIL

Professional Service / Reviewer

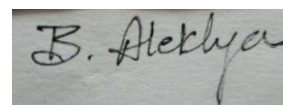
- Reviewer in physica scripta, Scopus
- Reviewer in Engineering research, Scopus

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	20
International / National Level Seminars	10 / 06
International / National Level Conferences	20 / 01
Workshops	06
Instructor Led / Self-Paced Courses	00
Webinars	10

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.		IETE



(B. Alekhya)