

Dr K B S Sri Nagini



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

Education

Ph. D (Electronics and Communication Engineering)

2024, Vellore Institute of Technology-Andhra Pradesh University, Amaravati

M.Tech (Electronics and Communication Engineering)

2012, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada

B. Tech (Electronics and Communication Engineering)

2002, DMSSVH College of Engineering, Machilipatnam

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024- Current date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Student project guidance, academic counselling, research & publications in reputed journals/conferences, funded project proposals, syllabus revision, NBA/NAAC accreditation support, attending conferences, seminars, and workshops, participation in faculty development & training programs, expert lectures.
2022-2024	Assistant Professor	VIT-AP Univer- sity	Research & publications in reputed journals/conferences
2015-2020	Assistant Professor	Dhanekula In- stitute of Engi- neering & Tech- nology	NBA/NAAC accreditation support, participation in faculty development & training programs, academic counselling.

2014-2015	HOD, Associate Professor	Sri Vasavi Institute of Engineering & Technology	Contribution to strategic planning and institutional development initiatives, NBA/NAAC accreditation support, participation in faculty development & training programs
2012-2014	Assistant Professor	Dhanekula Institute of Engineering & Technology	NBA/NAAC accreditation support, participation in faculty development & training programs, academic counselling, laboratory development.
2006-2010	Assistant Professor	Sir Sun Flower College of Engineering & Technology	Student project guidance, academic counselling, laboratory development, co-curricular & extension activities
2003-2006	Assistant Professor	Chaitanya Engineering College	Student project guidance, participation in faculty development & training programs

Research Interests

Broad Area of Research:

Substrate Integrated Waveguide (SIW) Antennas

Multifunctional Metasurfaces

Honors and Awards

- Selected for IEEE SPACE 2025 Young Faculty Laureate Program (YFLP) IEEE SPACE 2025, July 2025 Selected among early-career researchers for the prestigious YFLP initiative.
- Best Paper, received Dr. Jonathan Sauder Award for Best Collaborative RF/Mechanical Antenna Design Paper in 2025 IEEE Wireless, Antenna and Microwave Symposium with a cash prize of Rs. 20,000.
- Best Paper, received best paper award in IEEE Space, Aerospace and Defence Conference (SPACE) JULY 2024 with a cash prize of Rs. 3000.
- Invited Attendee – IEEE MTT-S International Microwave Biomedical Conference (IMBioC 2023) Leuven, Belgium September 11–13, 2023 Invited to attend the conference with complimentary accommodation support from September 10–14, 2023. Selected among international researchers for participation in technical exchanges in the field of microwave biomedical engineering.
- Raman Research Award for publications in SCI and Scopus indexed journals being awarded by VIT-AP University 2023–2024
- Research Excellence Award on University Day for publications of SCI and Scopus indexed journals and conferences being awarded by VIT-AP University 2023–2024
- Raman Research Award for publications in SCI and Scopus indexed journals being awarded by VIT-AP University 2022–2023
- Research Excellence Award on University Day for publications of SCI and Scopus indexed journals and conferences being awarded by VIT-AP University 2022–2023

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Digital image processing	UG
2	Electromagnetic fields and transmission lines	UG
3	Switching Theory and logic design	UG
4	Analog and digital communication	UG
5	Signals and Systems	UG
6	Microwave Engineering	UG
7	Satellite Communications	UG
8	Nano Electronics	UG
9	Antennas and Wave Propagation	UG
10	Optical Communications	UG
11	Microwave Engineering	UG

Research Profile

Publications

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

Google Scholar	6yOhX-kAAAAJ
Scopus	57899283900
ORCID	0000-0001-7687-7608

Funded Research Projects

S. No	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Government of India	Meta-materials/structure for TeraHertz - based communication systems	Applied	Indian Space Research Organisation	-	-

Invited Talks

No. of Invited Talks	03
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Professional Service / Reviewer

- Springer Nature Scientific Reports-2025
- Springer Nature Journal of Computational Electronics

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	4
International / National Level Seminars	2
International / National Level Conferences	11
Workshops	2
Instructor Led / Self-Paced Courses	0
Webinars	2

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	98588845	IEEE Member
2.	Life Member	Indian Society for Technical Education (ISTE)
3.	Life Member	Indian Society of systems for Science and Engineering (ISSE)

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