

V N Prudhvi Raj



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

Education

M.Tech (Electronics and Communications)

2003, SASTRA University, Thanjavur, Tamilnadu

B.Tech (Electronics and Communications)

2001, Madras University, Tamilnadu

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2018-2020	Associate Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, Research publications, NBA/NAAC coordination.
2003-2009	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	

Research Interests

Broad Area of Research:

Biomedical Signal & Image Processing, Embedded Systems & IOT

Honors and Awards

- Nil
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Courses Taught

S.No.	Course Name	Level (UG/PG)
1	Computer Networks	UG
2	Embedded System	UG
3	Digital Signal Processing	UG
4	Digital Image Processing	UG
5	Biomedical Instrumentation	UG
6	Real Time Operating Systems	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?hl=en&user=eu0CTe4AAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=23985695700
ORCID	https://orcid.org/0000-0002-3496-6917
dblp	
Publons	https://www.webofscience.com/wos/op/publications/add?author=696116
Research Gate	https://www.researchgate.net/profile/Nagaprudhvi_Vattikuti
LinkedIn	https://www.linkedin.com/in/vattikuti-naga-prudhvi-raj-38a3ba16/

Recognized Research Supervisor

S.No.	Department	University

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
1	Funded	Development of Denoising Algorithms for cardiac Ultrasound images to detect carotid plaque for the assessment of risk of stroke	Completed	UGC	4,50,000/-	2 Years
2	Funded	Development of handheld portable ultrasound system	Ongoing	Microsys Automation Hyderabad	2,00,000/-	2 Years
3	Funded	Development of on-line Condition Monitoring System for traction motors of 3-phase Electric Locomotives	Under Review	Indian Railways	1,00,00,000/-	

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Canteen Committee Chairman	VRSE	2023-Present	Looking after the quality of food & services provided to staff and students
2	Module Coordinator	VRSE	2017-Present	Curriculum design in Electronics Module
3	FDP, Workshops, Trainings Incharge	VRSEC	2015-Present	Organising seminars, workshops, FDP's and Training programs
4	Industry Institute Interaction Incharge	VRSEC	2015-Present	Industrial Internships

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1	Certified LabVIEW Associate Developer (CLAD)	National Instruments	---	2020
2	Introduction to Internet of Things	NPTEL	12 Weeks	2018
3	Remote Sensing and Digital Image Processing of Satellite Data	NPTEL	8 Weeks	2018
4	Introduction to the Internet of Things and Embedded Systems	Coursera	12 Weeks	2016

Consultancy / Industry Projects

Completed	01
On-going	
Applied	02

Patents

S.No.	Title	Status	Application No.	Year
1	GRAMCONNECT: A MULTI-SERVICE RURAL CONNECTIVITY AND ADMINISTRATION PLATFORM	Files	202541082725	2025

Ph.D

Awarded	
Guiding	

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

- Reviewer in Biomedical Signal Processing and Control
- Reviewer in International Journal of Knowledge-Based and Intelligent Engineering Systems

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	23
International / National Level Seminars	00 / 09
International / National Level Conferences	15 / 02
Workshops	12
Instructor Led / Self-Paced Courses	02
Webinars	15

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	95092956	IEEE
2.	M 169658	IETE
3.	M 1690676	IE

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