

Dr.P.Durga Prasada Rao



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

Education

Ph. D (Electronics and Communication Engineering)

2023, KL Deemed to be University, Vaddeswaram.

M.Tech (Electronics and Communication Engineering)

2010, Jawaharlal Nehru Technological University, Kakinada

B.Tech (Electronics and Instrumentation Engineering)

2006, Acharya Nagarjuna University, Guntur.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2008-Till Date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, research publications, academic leadership, NBA/NAAC coordinator, IQAC, ISO & AQAR coordinator, Siemens Lab Incharge.

Research Interests

Broad Area of Research :

Antennas, WSN, Biomedical and health assistive technologies.

Honors and Awards

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Courses Taught

S.No	Course Name	Level (UG/PG)
1	Robotics and Control	UG
2	Microcontrollers and Embedded systems	UG
3	Industrial Instrumentation	UG
4	Sensors and Transducers	UG
5	Process Control	UG
6	Analytical Instrumentation	UG
7	Advanced Sensors	UG
8	PC based Instrumentation	UG
9	Embedded Systems	UG
10	Electronic Circuits	UG
11	Digital Circuits	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=hVJdinUAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57202991715
ORCID	https://orcid.org/0000-0001-7340-2738
dblp	https://dblp.org/pid/343/7102.html
Publons	https://www.webofscience.com/wos/author/record/ABC-8393-2021
Research Gate	https://www.researchgate.net/profile/Durgaprasadarao-Pillagolla
LinkedIn	https://www.linkedin.com/in/durga-prasad-235400115/

Recognized Research Supervisor

S.No.	Department	University
01.		
02.		
03.		
04.		

Funded Research Projects

S.No	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	AI for Traffic	Completed	DST	10,00,000	2 Years
02.	--	Data-Driven Cascade Control with ANN Optimization for Robust Biomass-to-Hydrogen Production.	Applied	MNRE-NGHM	Rs.1,57,07,103.00	3 Years
03.	--	Non-Invasive Blood Glucose Monitoring Using Near-Infrared Spectroscopy for Affordable Diabetes Management in Indian Populations	Applied	Sree PVF	Rs.46,000,00.00	3 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	OBC Cell Convener	VRSEC/SAHE	2019-20 to Till Date	Conducting OBC Cell activities
2	COE: SIEMENS LABORATOR Y: Process	VRSEC/SAHE	2016-17 to till date	Arranging Training programs for studnets.

	Instrumentation Lab (Institute Level)			
3	IQAC Dept. Coordinator	VRSEC/SAHE	2015-16- Till Date	Academic Audit Process
4	ISO Coordinator	VRSEC/SAHE	2014-15 - Till date	ISO Audit Process
5	AQAR Dept. Coordinator	VRSEC/SAHE	2022-23 - Till date	Preparation of department data to IQAC every year.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year

Consultancy / Industry Projects

Completed	00
On-going	00
Applied	02

Patents

S.No	Title	Status	Application No.	Year
1.	Novel optimized RF MEMS switch for satellite and wireless communication systems	Published	202341080119	2023

	Design Of Plus Shape Patch Antenna For Wireless Communication And Inter Net Of Things Application	Published	202441044592	2024
	Analysis of a Low-Profile Penta band BPF Using Ring Resonator For Multiband Applications	Published	202441091343	2024

Ph.D

Awarded	00
Guiding	00

Invited Talks

No. of Invited Talks	00
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Professional Service / Reviewer

- Reviewer in Wireless Networks
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Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	19
International / National Level Seminars	00 / 02
International / National Level Conferences	10 / 00
Workshops	16
Instructor Led / Self-Paced Courses	10
Webinars	02

Professional Bodies Membership Details

S.No.	Membership No.	Society Name

Dr.P.Durga Prasada Rao.

09.09.2025.
