

Dr.P.Sushma Chowdary



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 Communications Engineering)

2025, Koneru Lakshmaiah Deemed to be University, Vaddeswaram.

M.E (Electronics and Communications Engineering)

2011, Andhra University college of Engineering, Vizag

B.Tech (Electronics and Instrumentation Engineering)

2005, V.R.Siddhartha Engineering College, Kanuru

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2014-Till Date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Academics, NBA/NAAC coordination
2008-2014	Lecturer	Velagapudi Ramakrishna Siddhartha Engineering College	

Research Interests

Broad Area of Research :

Control & Automation, Antennas, Wireless Sensor Networks

Honors and Awards

- **Best Teacher Award** in the year 2023 by Society for Learning Technologies (SOLETE), Recognized by Government of Andhra Pradesh, and ISO Certified 9001-2015
- **Best Women Researcher** award from IJEMR-Elsevier SSRN in the year 2022

Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Electronic Devices And Circuits	UG
2.	Digital Electronics	UG
3.	PC Based Instrumentation	UG
4.	Basic Electronics (IT ,CSE & CIVIL)	UG
5.	Professional Ethics & human values	UG
6.	Advanced Sensors	UG
7.	Instrumentation and control in paper industries	UG
8.	Power plant instrumentation	UG
9.	Industrial electronics	UG
10.	Measurement and control in food processing	UG
11.	Technology and society	UG
12.	Automation in Manufacturing	UG
13.	Instrumentation engineering	UG
14.	Industrial Safety and Environmental Management	UG
15.	Fundamentals of Industrial Automation (ME)	UG
16.	Basic electronics and electrical (ME)	UG
17.	Industrial Instrumentation	UG
18.	Safety Instrumentation Systems	UG
19.	Instrumentation engineering	UG
20.	Industrial Safety and Environmental Management	UG
21.	Essence of Indian Knowledge Tradition	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=2obQZ9MAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57201011176
Research Gate	https://www.researchgate.net/profile/Sushma_Polavarapu
Orcid	https://orcid.org/0000-0002-6985-427X

Recognized Research Supervisor

S.No.	Department	University
01.		
02.		

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.						
02.						

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Program Officer NSS	SAHE	2025	To organize health and wellness programs
2	Committee Member in Alumni Cell	SAHE	2013 to Till date	To organize alumni reunions ,seminars
3	Member in Hostel Anti Ragging Committee	SAHE	2019 to Till date	To prevent ragging in the hostel

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration
1.	Introduction to Research	NPTEL	8 Weeks
2.	Internet of Things	NPTEL	12 Weeks
3.	The Science of Well-Being	Coursera	10 week
4.	AI For Everyone	Coursera	4 Weeks
5.	Cloud Computing Basics (Cloud 101)	Coursera	3 Weeks
6.	Programming For Everybody (Python)	Coursera	4 Weeks
7.	Machine Learning For All	Coursera	4 Weeks
8.	Learning How To Learn: Powerful Mental Tools To Help You Master Tough Subjects	Coursera	4 Weeks
9.	Orientation and Sensitization programme under Malaviya mission Teacher Training Programme	NEP 2020 (MM-TTP)	2 Weeks

Consultancy / Industry Projects

Completed	
On-going	
Applied	

Patents

S.No	Title	Status	Application No.	Year
1.	Shape Antenna For Wireless Applications	Published	202441047989	2024.
2.	Hitech Multi Functional Smart BluetoDesign And Development of Swastik oth Speaker	Granted	148063	2023
3.	Construction An Intelligent Reinforcement Learning -Based Mobile Learning Environment For Universities In A Wireless Network	Published	202241039370	2022
4.	Smart Home Appliances For Wi-Fi Device Using Iot For Old Age And Disabled Person	Published	202041044233	2020
5.	IOT And Blockchain-Enabled Smart E-Vehicle Charging System	Published	202041020699	2020
6.	Automatic Tollbooth Collection System Using RFID With IOT	Published	202021011522	2020

Ph.D

Awarded	
Guiding	

Invited Talks

No. of Invited Talks	
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Professional Service / Reviewer

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Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	15
International / National Level Seminars	05 / 07
International / National Level Conferences	17 / 00
Workshops	7
Instructor Led / Self-Paced Courses	00
Webinars	10

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM03736	Indian Society of Systems for Science & Engineering (ISSE)
2.	LM421	Society For Learning Technologies
3.	M-1828538	Institute of Engineers



Dr.P.Sushma Chowdary

(Your Name & Signature with Date)
