

Dr Pallikonda Sarah Suhasini



Designation : Associate Professor
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Education

Ph. D (Electronics and Communication Engineering)

2015, Jawaharlal Nehru Technological University, Hyderabad

M.Tech (Electronics and Communication Engineering)

2005, Jawaharlal Nehru Technological University, Anantapur

M.S (Electronics and Control Engineering)

1999, Birla Institute of Technology and Science, Pilani

B.Tech (Electronics and Communication Engineering)

1990, S V H College of Engineering, Machilipatnam

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2016-Till date	Associate Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Course coordinator, UG/PG Project guidance, Mentoring and student support, Research and Publications, Lab in-charge, NBA/NAAC coordination.
2005-2016	Associate Professor	DMS SVH College of Engineering, Machilipatnam	Teaching, UG/PG Project guidance, Investigator in Research Project, Student support, Lab in-charge
1998-2005	Assistant Professor	DMS SVH College of Engineering, Machilipatnam	

1990-1998	Lecturer	Smt. T K R Polytechnic for Women, Pamarru	Teaching, Project guidance, Academic Administration, Student support, Lab in- charge
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Research Interests

Broad Area of Research :

Image Processing, Computer Vision, Machine Learning

Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Random Variables and Stochastic Processes	UG
2.	Analog and Digital Communication	UG
3.	Universal Human Values	UG
4.	Digital Signal Processing	UG
5.	Machine Learning	PG
6.	Artificial Neural Networks	UG
7.	Signals and Systems	UG
8.	Digital Image Processing	UG
9.	Detection and Estimation Theory	PG
10.	Digital Signal Processors and Architecture	UG
11.	Electronic Devices and Circuits	UG
12.	Data Compression	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=9NFzxhQAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=26028116500
ORCID	https://orcid.org/0000-0002-8822-9496
Publons	https://publons.com/researcher/3383866/pallikonda-sarah-suhasini/
Research Gate	https://www.researchgate.net/profile/Ps_Suhasini
LinkedIn	https://www.linkedin.com/in/sarah-suhasini-0114501b0/

Recognized Research Supervisor

S.No.	Department	University
01.	Electronics and Communication Engineering	Jawaharlal Nehru Technological University, Kakinada
02.	Electronics and Communication Engineering	SRM Institute of Science and Technology, Chennai

Funded Research Projects (As Investigator/ Team Member)

S . N o .	Type	Title	Status	Fun din g Age ncy	Amount (INR)	Durati on
01.	Funded	Atmospheric Science Project	Completed	ISRO	15,00,000/-	3 Years 2008 - 2011
02.	Funded	Development and Evaluation of algorithms for automated tree delineation and tree parameters estimation for forestry applications	Completed	NRSC	16,90,000/-	2 Years 2017-2019
03.	Funded	Design and development of Steganography based Secure Communication System (SSCS) for efficient data hiding and sharing to prevent data leakage with enhanced security	Applied	MeitY	20,88,000/-	2 Years

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Programming for Every body	Coursera	18 Hrs	2022
2.	Machine Learning for all	Coursera	20Hrs	2020
3.	AI for Ever One	Coursera	6 Hrs	2020
4.	Introduction to Machine Learning	NPTEL	12 Weeks	2018

Consultancy / Industry Projects

Completed	02
On-going	-
Applied	01

Patents

S.No	Title	Status	Application No.	Year
1.	A System for Monitoring of Bridge Scour under Heavy Water Flow	Published	202341011002	2024

Ph.D

Awarded	-
Guiding	02

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

- . Reviewer in Journal of Intelligent & Fuzzy Systems, IOS Press

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	10
International / National Level Seminars	NIL/ 4
International / National Level Conferences	6 / NIL
Workshops	10
Instructor Led / Self-Paced Courses	7
Webinars	4

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	M174390	Institution of Electronics and Telecommunication Engineers(IETE)



(Pallikonda Sarah Suhasini)