

Jayalakshmi Chandra



Designation : Assistant Professor
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Contact at : EI-453, Department of Electronics and Instrumentation Engineering, Velagapudi Ramakrishna Siddhartha School of Engineering, Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Electronics and communication Engineering)

Pursuing, KL University (Deemed to be University), Guntur

M.Tech (Electronics and communication Engineering)

2011, Acharya Nagarjuna University, Guntur

B.Tech (Electronics and communication Engineering)

2007, Acharya Nagarjuna University, Guntur

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2008-Till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	NBA/NAAC /AQAR coordinator. ISOI Professional body Coordinator, Student clubs In-charge, Digital System Design Lab In-charge, Curriculum design, UG guidance, research publications, Anti-ragging, Women Grievance and Social Welfare Cell coordinator.

Research Interests

Broad Area of Research:

Signal and Image Processing, Medical Image Processing, Underwater Image Processing, AI/ML, VLSI Design, Nano energy harvesting,

Honors and Awards

- Achieved 100% in CLAD (Certified LabVIEW Associate Developer) Certification course conducted by National Instruments.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Digital Image Processing	UG
2	Electronic Devices and Circuits	UG
3	Analog Electronics circuits	UG
4	Digital Electronics	UG
5	Virtual Instrumentation	UG
6	Computer Organization	UG
7	Electrical and Electronic Measurements	UG
8	Intelligent Instrumentation Principles & Applications	UG
9	Operating Systems	UG
10	Signals & Systems	UG
11	Professional Ethics	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.co.in/citations?user=kW3bLMMAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=56939028400
ORCID	https://orcid.org/0000-0002-6344-7518
Publons	https://www.webofscience.com/wos/author/record/OGO-0571-2025
Research Gate	https://www.researchgate.net/profile/Jayalakshmi_Chandra2
LinkedIn	https://in.linkedin.com/in/jaya-lakshmi-938863196

Recognized Research Supervisor

S.No.	Department	University
01.		

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01	Funded	Theoretical Studies on Wavefront Distortion Techniques for Jamming Monopulse Receivers	Completed	DLRL Hyderabad	9,80,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
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Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Certified LabVIEW Associate Developer (CLAD)	National Instruments	2 years validity (Global Certification)	2018
2.	Biomedical Signal Processing	NPTEL	12 Weeks	2018
3	Pattern Recognition & Applications	NPTEL	12 Weeks	2019
4	Introduction to Industry 4.0 and Industrial IoT	NPTEL	12 Weeks	2022
5	Surface Engineering of Nanomaterials	NPTEL	8 Weeks	2024
6	Material Characterization	NPTEL	12 Weeks	2024

Consultancy / Industry Projects

Completed	01
On-going	00
Applied	01

Patents

S.No	Title	Status	Application No.	Year
1.				

Ph.D

Awarded	00
Guiding	00

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

- Reviewer in Technical Committee for IEEE Conference

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	20
International / National Level Seminars	00/ 15
International / National Level Conferences	18/ 03
Workshops	20
Instructor Led / Self-Paced Courses	9
Webinars	15

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	154957	International Association of Engineers


(Jayalakshmi Chandra)