

Korupu Vijaya Lakshmi



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

Education

Ph. D (Pursuing)

Vellore Institute of Technology, Vellore

M.Tech (Industrial Process Instrumentation)

2006, Andhra University, Visakhapatnam

B.Tech (Instrumentation Engineering)

2003, Nagarjuna University, Vijayawada

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2008-Till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha School of Engineering	MOOCs Coordinator, Curriculum Design, Laboratory In charge, Budget In charge, UG Project Guidance, Research Publications, NBA/NAAC Coordination, Institute Event Committees Member, Student Counselling, Faculty Meeting Minutes Maintenance
2006-2008	Lecturer	Velagapudi Ramakrishna Siddhartha Engineering College	

Research Interests

Broad Area of Research:

Control Systems, Process Control, Reinforcement Learning, Machine Learning, Internet of Things

Honors and Awards

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Intelligent Systems and Control	UG
2	Industrial Instrumentation	UG
3	Process Modelling and Simulation	UG
4	Analytical Instrumentation	UG
5	Industrial Communication Networks	UG
6	Basics of Instrumentation Engineering	UG
7	Transducers	UG
8	Basics of Instrumentation Engineering	UG
9	Neural Networks and Fuzzy Logic	UG
10	Power Plant Instrumentation	UG
11	Biomedical Instrumentation	UG
12	Basics of Electronics Engineering	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=DPVHeFYAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57185599400
ORCID	https://orcid.org/0000-0002-9961-8884
Publons	https://publons.com/researcher/1750171/korupu-vijaya-lakshmi/
Research Gate	https://www.researchgate.net/profile/Korupu-Vijaya-Lakshmi/research
LinkedIn	https://www.linkedin.com/in/vijaya-lakshmi-korupu-56500353/

Recognized Research Supervisor

S.No.	Department	University
01.		
02.		

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Analysis and Implementation of Energy Harvesting Techniques to Power GPS	Completed	ANURAG-DRDO, Hyderabad	9,80,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Institutional MOOCS Committee Member	SAHE	2025	Contributing to institutional MOOCS initiatives
2	Dept. MOOCS Coordinator	SAHE	2018 onwards	Coordinating MOOCS activities in the department.
3	Transducers Lab In charge	SAHE	2008 onwards	Managing and maintaining the Transducers Lab.
4	Budget In charge	SAHE	2018 onwards	Monitoring and managing the departmental budget.
5	NBA C1 and C10 In charge	SAHE	2013 onwards	Handling NBA Criterion 1 and 10 documentation.
6	NAAC C4 and C7 In charge	SAHE	2016 onwards	Managing NAAC Criterion 4 and 7 documentation.
7	Department Faculty Meeting Minutes Book Maintenance	SAHE	2018 onwards	Maintaining records of faculty meeting minutes.
8	Dept. Admissions Committee Member	SAHE	2018 onwards	Assisting in the departmental admission process.

9	Counsellor	SAHE	2008 onwards	Guiding and counselling students.
10	BOS Member	SAHE	2014-2024	Contributing to curriculum development.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Machine Learning and Deep Learning – Fundamentals and Applications	NPTEL	12 Weeks	2023
2.	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	12 Weeks	2022
3	Design for Internet of Things	NPTEL	8 Weeks	2021
4	Reinforcement Learning	NPTEL	12 Weeks	2019
5	Introduction to Machine Learning	NPTEL	8 Weeks	2018
6	Industrial Automation and Control	NPTEL	8 Weeks	2016

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

S.No	Title	Status	Application No.	Year
1.	Method & System for Portable Power Station for Solar EV Charging	Published	202241040632	2022
2	Wireless Networking of Medical Equipment for Paperless Clinic	Granted	2020103799	2021
3	Smart Glove	Published	201741002856	2018

Ph.D

Awarded	-
Guiding	-

Invited Talks

No. of Invited Talks	-
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Professional Service / Reviewer

- Reviewer in Engineering, Technology & Applied Science Research
- Reviewer in International Journal of Integrated Engineering
- Reviewer in IEEE Access
- Reviewer in IET Renewable Power Generation
- Reviewer in IEEE Transactions on Industrial Electronics

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	30
International / National Level Seminars	00 / 05
International / National Level Conferences	19 / 00
Workshops	18
Instructor Led / Self-Paced Courses	14
Webinars	18

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM-2182	Instrument Society of India (ISOI)
2.	LM-1071	Biomedical Engineering Society of India (BMESI)

(K Vijaya Lakshmi)
