Kalpana seelam

Designation	**:Assistant** Professor
E-Mail ID	: kaplanaseelam@vrsiddhartha.ac.in
Contact at	: Department of Electronics and Instrumentation Engineering, Velagapudi Ramakrishna Siddhartha School of Engineering, Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Pursuing)

(2018-2025 Thesis Submitted) Andhra University, Vishakhapatnam.

M.Tech (Embedded Systems)

2012, JNTUH, Hyderabad.

B.Tech (Electronics and Control Engineering)

2006, JNTUH, Hyderabad.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2007-2025	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	➢ 2/4 , 3/4, 4/4 B.Tech EIE Attendance incharge ➢ 2/4,3/4,4/4 B.Tech internal marks incharge ➢ Departmrnt of EIE CMS/CAMPEX incharge ➢ Department UHV coordinator ➢ Department NEP coordinator ➢ NBA/NAAC coordination. ➢ Embedded Systems lab incharge

Research Interests

Broad Area of Research:
Flexible Energy storage Devices, MEMS-based Gas sensors, Microfluidic Sensors

Honors and Awards

- Recognized as NPTEL Star in 2023

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Embedded Systems	UG
2	Digital electronics	UG
3	Wireless Sensor Networks	UG
4	Instrumenation and Control in Paper Industries	UG
5	Electrical and Electronic Measurements	UG
6	Industrial Communication Networks	UG
7	Industrial Instrumentation	UG
8	Sensors and Transducers	UG
9	Basic Electronics	UG
10	Universal Human Values-II	UG
11	AI & ML in Health care	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=9RAiF1UAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195363031

ORCID	https://orcid.org/0000-0003-4691-0723
Publons	https://www.webofscience.com/wos/author/record/KZU-7137-2024
Research Gate	https://www.researchgate.net/profile/Kalpana-Seelam?ev=hdr_xprf
LinkedIn	https://www.linkedin.com/in/kalpana-seelam-920b411b1/

Recognized Research Supervisor

S.No.	Department	University
01.		

Funded Research Projects

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

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1	Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications	NPTEL	12 WEEKs	Jan–Apr 2025
2	Machine Learning For Soil And Crop Management	NPTEL	12 WEEKs	Jan–Apr 2024
3	Electronic Systems For Cancer Diagnosis	NPTEL	12 WEEKs	Jul–Oct 2023
4	Introduction To Industry 4.0 And Industrial Internet Of Things	NPTEL	12 WEEKs	Jul–Oct 2022
5	Design for Internet of Things	NPTEL	12 WEEKs	Jul–Sep 2021

		NPTEL	12 WEEKs	
6	Fabrication Techniques for MEMs-Based Sensors: Clinical Perspective			Jul–Oct 2019
7	Sensors and Actuators	NPTEL	12 WEEKs	Jul–Oct 2019
8	BioMEMS and Microsystems	NPTEL	12 WEEKs	Feb–Apr 2019
9	Introduction to Internet of Things	NPTEL	12 WEEKs	Jul–Oct 2018
10	Industrial Instrumentation	NPTEL	12 WEEKs	Jul–Oct 2017

Consultancy / Industry Projects

Completed	
On-going	
Applied	

Patents

S.No	Title	Status	Application No.	Year
1.	Smart Home Appliances For Wi-Fi Device Using Iot For Old Age And Disabled Person	Published	202041044233	16/10/2020
2	Method for providing a multi directional theft monitoring system for tracking vehicles and altering owners in real- time	Published	202241004999	4/02/2022

Ph.D

Awarded	
Guiding	

Invited Talks

No. of Invited Talks	2

Professional Service / Reviewer

-

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	36
International / National Level Seminars	1/ 20
International / National Level Conferences	19 / 00
Workshops	20
Instructor Led / Self-Paced Courses	00
Webinars	10

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	AIML/25/01478	AI –ML Innovative Entrepreneurs and engineers Association (AMIEE) life membership

Kalpana Seelam

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