Dr.P.Sukanya

Designation   : Senior Assistant Professor

E-Mail ID   : sukanya@vrsiddhartha.ac.in

Contact at   : **#105,** Department of Computer Science and Engineering,
Siddhartha Academy of Higher Education,
Deemed to be University, Kanuru, Vijayawada, Andhra
Pradesh 520007.

Education

Ph. D (Computer Science and Engineering)

VIT AP University, Amaravati

M.Tech (Computer Science and Engineering)

2016, Shri Vishnu Engineering College for Women (Autonomous), Bhimavaram

B.Tech (Computer Science and Engineering)

2014, Shri Vishnu Engineering College for Women (Autonomous), Bhimavaram.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2023 –Till Date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	University-wide Contribution - PhD syllabus to LaTeX format , CSE Examination Section Curriculum and syllabus design, research publications, academic leadership, Women Grievances Cell Course Coordinator, Student Welfare Counsellor, hostel administration

2021 -2023	Assistant Professor	VIT-AP University	research publications
2018 - 2020	Assistant Professor	Sri Vasavi Engineering College, Tadepalligudem	NBA/NAAC coordination, Student Welfare Counsellor Course Coordinator, SPORTS Coordinator
2016 –2018	Assistant Professor	Bhimavaram Institute of Engineering and Technology, Bhimavaram	Course Coordinator NBA/NAAC coordination, Student Welfare Counsellor, SPORTS Coordinator, Discipline Class In-charge.

Research Interests

Broad Area of Research :
Medical Image Analysis, Image Processing, Machine Learning and Deep Learning

Honors and Awards

- Secured Certificate of excellence for securing First Rank in M. Tech (CSE) during 2014-2016.

- **Ratified as Assistant Professor** at JNTUK, demonstrating academic excellence and commitment to higher education.

- **NPTEL Top 5% Achiever** – Certified in Deep Learning, showcasing proficiency in advanced AI concepts.

- **Best Reviewer Recognition** – Acknowledged as a **top reviewer** for Biomedical Signal Processing and Control, Measurement Science and Technology, Open Science Journal and Engineering Research Express, contributing to scholarly excellence.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	C Programming	UG
2	Data Structures	UG
3	Advanced Data Structures	UG
4	Database Management Systems	UG
5	Web Technology	UG
6	Design Analysis and Algorithms	UG
7	Software 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?hl=en&user=s4wMiAsAAAAJ& view_op=list_works&authuser=2
ORCID	https://orcid.org/my-orcid?orcid=0000-0002-4841-4056
LinkedIn	https://www.linkedin.com/in/dr-sukanya-pechetti-6710b8210

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Deep Learning based Camouflage Robot	On-Going	SEED	1,13,000	2 Years

Administrative Roles

Department level administrative responsibility

Academic Year	Nature of Responsibility	Outcome
2023-25	Faculty Incharge of the CSE Examination Section	• Ensuring smooth academic assessments. • Conducting internal examinations for all years as per schedule. • Evaluation of Question Papers as per OBE standards. • Maintenance of Examination section with proper records/proofs. • Collection answer scripts after the end of each semester.
	Programme – curriculum & operations cell	Curriculum and syllabus, preparation of syllabus books in LATEX format for all years including honors and minors.

	Discipline Class Incharge	• Monitoring of Course registration by the students every semester. • Identification and monitoring of students with less than 65% attendance and between 65% - 75% attendance. • Identification and monitoring of students with less than 50% of internal marks. • Inform parents regarding shortage of attendance, marks & backlogs (support from counsellors). Day to Day class monitoring including Open Electives, Honors and Minors classes. • Monitoring Classwork adjustments made my faculty if on leave. • Discipline - identification of Late Comers, ensuring Dress Code, verification of ID Cards. Attendance Monitoring for scholarships. • Counselling & Monitoring of Student Insurance Collection by counsellors. • Collection of Sovereign Data from Final Years • Monitoring of the students & their attendance in activities including Guest talks/Seminars/Workshops/ placement events.
	Faculty Incharge for the Women Grievances Cell	• Liaison for Central women • grievance committee • fostering a safe and supportive environment for female students. • Maintenance of policy documents & proper documentation of events if any.
	EPICS Project Incharge	Guiding students in innovative, socially impactful projects.
	Course Coordinator for ADS and DAA subjects	• Syllabus Page & COs (Syllabus with COs, PO Mapping, e-references) • Lesson Plan & Lecture Notes Unit-wise Question Banks Internal Assessment Papers aligned with COs & Cognitive Levels. • Course Assessments (CO assessment via Internal QPs, End Semester CO Analysis, Improvement Plans). • Home Assignments & Course End Survey Consolidation. • Scheme of Evaluation for Semester-End Exams. Remedial Classes & Content Beyond Syllabus (Topics, e-resources, CO mapping).
	Discipline Class Incharge	

	Extra-curricular activities	• Planning and organizing department level events including Farewell, INFINITO, CSENSIA, AFOSEC etc. • Planning and organizing events including Women's day, Engineers Day, Teachers day. • Dissemination of information to the students about the event and motivating the students for active participation.
	Student Welfare Counsellor	Providing academic and personal guidance.

Institute Level Administrative Responsibility

Academic Year	Nature of Responsibility	Outcome
2023-25	Assistant Warden for VRSEC Girls Hostel	Overseeing student welfare and hostel administration.
	Admissions Committee	Reviewing certificates based on admission policies. Ensuring compliance with regulations, managing enrolling data, review academic records, student guidance and counselling.
	Extra-curricular activities	Planning and organizing department level events including Farewell, INFINITO, CSENSIA, AFOSEC. Planning and organizing events including Women's day, Engineers Day, Teachers day etc. Dissemination of information to the students about the event and motivating the students for active participation.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Deep Learning	NPTEL IIT KGP	12 Weeks	2021
2.	Generative AI and LLMs on AWS	edX	1 Month	2024

Patents

S.No	Title	Status	Application No.	Year
1.	Automated AI based Parkinsons Disease Detection System	Published	202341064269	10/6/23

Professional Service / Reviewer

- Reviewer for Biomedical Signal Processing and Control, Measurement Science and Technology , Open Science Journal and Engineering Research Express

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	12
International / National Level Seminars	05
International / National Level Conferences	06
Workshops	10
Webinars	5

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	2010000579	Computer Society of India (CSI)
2.	LM125752	Indian Society for Technical Education (ISTE)
3.	101314482	Institute of Electrical and Electronics Engineers(IEEE)

Dr.P.Sukanya