Dr. Jaya Prakash Sunkavalli

Designation	: Senior Assistant Professor
E-Mail ID	: jayaprakash@vrsiddhartha.ac.in
Contact at	: Department of Information Technology, Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Computer Science and Engineering)

2024, Koneru Lakshmaiah Education Foundation, Deemed to be University, Guntur

M.Tech (Computer Science and Engineering)

2013, Koneru Lakshmaiah Education Foundation, Deemed to be University, Guntur

B.Tech (Information Technology)

2011, Sri Vasavi Engineering College, Tadepalligudem

Experience

Period	Designation	Institution / Organization	Key Responsibilities
September 2025- Present	Senior Assistant Professor	Siddhartha Academy of Higher Education, Deemed to be University	IIC Co-ordinator, Examination In-charge, Apple lab In-charge, Student Project Room In-charge.
August 2022- September 2025	Assistant Professor	Siddhartha Academy of Higher Education, Deemed to be University	IIC Co-ordinator, Examination In-charge, Apple lab In-charge, Student Project Room In-charge.
June 2015- June 2022	Assistant Professor	Sir C R Reddy College of Engineering	NBA Criterion 3 Co-ordinator, Examination In-Charge.

Research Interests

Broad Area of Research :

Image Processing, Cloud Computing

Honors and Awards

- NPTEL **ELITE+SILVER** Certificate in Internet of Things Course in January 2023.

Courses Taught

S.No.	Name of the subject	UG/PG
1	Computer Networks	UG
2	Cloud Computing	UG
3	Cryptography and Network Security	UG
4	Database Management Systems	UG
5	Web Technologies	UG
6	Operating Systems	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=kquROpAAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57501004600
ORCID	https://orcid.org/0000-0002-5453-3529
LinkedIn	https://www.linkedin.com/in/dr-jayaprakash-sunkavalli-6b485346

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Real-Time Traffic Management Using an IoT-Enabled Intelligent Transportation System Integrated with Machine Learning Algorithm	On-Going	SAGTE	2,00,000	2 Years

02.	Funded	AI- Driven Adaptive Security Framework for Real-Time Cloud Threat Detection and Automated Response in Educational Institutions.	Applied	ANRF	40,07,000	3 Years
03.	Funded	Air Crop Intel: Geospatial Intelligence for Pollution Resilient Farming Strategies.	Applied	ANRF	58,60,000	3 Years
04	Funded	AI-Powered IoT for Real-Time Cardiovascular risk Monitoring in rural Healthcare	Applied	SreePVF	58,60,000	3 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Examination In-charge	Siddhartha Academy of Higher Education	2024-Present	Planning, coordinating, and ensuring the smooth and confidential conduct of all internal as per the regulations.
2	IIC Co-ordinator	Siddhartha Academy of Higher Education	2023-Present	Organizing various Innovation, IPR and Entrepreneurship-related activities prescribed by IIC in time bound fashion.
3	Apple Lab In-charge	Siddhartha Academy of Higher Education	2023-Present	Responsible for Effective utilization of the Apple Lab by teaching Swift Programming Course and guiding students in project development.
4	EPICS Projects In-charge	Siddhartha Academy of Higher Education	2023-Present	Monitoring, and coordinating student-driven community-based projects, ensuring innovation, societal impact, and alignment with hackathons like MSME Idea

				Hackathon, Smart India Hackathon.
5	Student Project Room In-charge	Siddhartha Academy of Higher Education	2022-Present	Ensure the effective utilization, guidance, and monitoring of resources to support students' academic and innovative projects.
6	Class Teacher	Siddhartha Academy of Higher Education	2022-Present	Monitoring students' academic progress, attendance, discipline, and overall mentoring to ensure their holistic development.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Internet of Things	NPTEL	8 Weeks	2023
2.	Oracle Cloud Infrastructure Certified Foundations Associate	Oracle	Global Certification	2025
3	Ethical Hacking	NPTEL	12 Weeks	2023
4	Cloud Computing	NPTEL	12 Weeks	2019
5	AI for Everyone	Coursera (Deeplearning.ai)	-	April 2020
6	The Bits and Bytes of Computer Networking	Coursera (Google)	-	May 2020
7	Introduction to Cyber Security tools and Cyber Attacks	Coursera (IBM)	-	May 2020

Consultancy / Industry Projects

Completed	00
On-going	00
Applied	00

Patents

S.No	Title	Status	Application No.	Year
1.	System And Method For Mathematical Modelling In Optimization And Decision Making For Engineering And Business Applications	Published	202441062339	2024
2.	Casing for Moving Vehicle Number Capturing Device	Published	384858-001	2023

Ph.D

Awarded	00
Guiding	00

Invited Talks

No. of Invited Talks	01

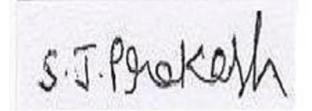## Professional Service / Reviewer

- Reviewer in Engineering Technology and Applied Science Research

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	21
International / National Level Seminars	05 / 00
International / National Level Conferences	09 / 00
Workshops	05
Instructor Led / Self-Paced Courses	00
Webinars	02

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	AM163871	THE INSTITUTE OF ENGINEERS (INDIA)

(Dr.Jaya Prakash Sunkavalli)

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