Dr. Purna Prakash Kasaraneni

Designation : Assistant Professor

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Contact at : C-506, 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)

2023, VIT-AP University, Amaravati

M. Tech. (Information Technology)

2011, Andhra University, Visakhapatnam

B. Tech. (Information Science and Technology)

2006, Acharya Nagarjuna University, Guntur

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2025-Present	Assistant Professor	Siddhartha Academy of Higher Education, Deemed to be University, Vijayawada, 520007, Andhra Pradesh, India	Course Coordinator, Professor Incharge - ELITE Training Program, SPOC - CodeTantra
2023-2025	Assistant Professor	Koneru Lakshmaiah Education Foundation (Deemed to be University), Vaddeswaram, 522502, Guntur, Andhra Pradesh, India	Member of OBE Analytics Team
2011-2023	Assistant Professor	Sir C.R. Reddy College of Engineering, Vatluru, 534007, Eluru, Andhra Pradesh, India	Coordinator - Alumni Association, Anti-Ragging Committee, Labs and Systems Administration.
2007-2009	Assistant Professor		
2006-2007	Lecturer		

Research Interests

Broad Area of Research: Machine Learning, Data Analytics, Smart Homes, Smart Grids

Honors and Awards

- Research award – Publications (Cash Award of Rs. 15,000/- and Certificate of Achievement) for academic year 2022-2023 by VIT-AP University, on 03-06-2023.
- Research award – Publications and Patents (Certificate of Achievement) for academic year 2021-2022 by VIT-AP University, on 01-06-2022.
- Ratified as Assistant Professor by JNTUK, Kakinada in 2018.
- Received a merit award for securing third place in academics while pursuing M.Tech. at S.R.K.R. Engineering College in 2011.
- Ratified as Assistant Professor by Andhra University in 2007.

Courses Taught

S. No.	Course Name	Level (UG/PG)
1	Deep Learning	UG
2	Artificial Intelligence & Machine Learning	UG
3	Data-Driven Artificial Intelligent Systems	UG
4	Statistics with R Programming	UG
5	Object-Oriented Analysis & Design using UML	UG
6	Object-Oriented Software Engineering	UG
7	Database Management Systems	UG
8	Data Warehousing and Data Mining	UG
9	Compiler Design	UG
10	E-Commerce	UG
11	Systems Administration	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=86ZDmdEAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57349252000&zone
ORCID	https://orcid.org/0000-0003-2672-5707
dblp	https://dblp.org/pid/338/2076.html
Publons	https://www.webofscience.com/wos/author/record/GSJ-2169-2022
Research Gate	https://www.researchgate.net/profile/Kasaraneni-Purna-Prakash
LinkedIn	www.linkedin.com/in/purna-prakash-kasaraneni

Recognized Research Supervisor

S. No.	Department	University
1	Computer Science and Engineering	Siddhartha Academy of Higher Education, Deemed to be University, Vijayawada, 520007, Andhra Pradesh, India

Funded Research Projects

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

Administrative Roles

S. No.	Role	Institution	Duration	Responsibilities
1	Course Coordinator	Siddhartha Academy of Higher Education, Deemed to be University, Vijayawada, 520007, Andhra Pradesh, India	2025-2026	▪ Planning, management, and academic quality of a specific course.
2	Professor Incharge - ELITE Training			▪ Preparation of activity calendar, framing syllabus, conducting ELITE classes, resumes & video resume preparation and mock interviews, and report generation for 3rd Year Students.
3	Faculty Incharge - Process-driven Placement Cell,			▪ Preparation of activity calendar for placement improvements (for in-house activities) ▪ Preparation of the Year calendar for awards/placements and all kind of campus readiness programs
4	Faculty Incharge - Examination Section			▪ Conducting internal examinations for all years as per the schedule. ▪ Maintenance of the Examination section

				with proper records/proofs
				▪ Collection of answer scripts after the end of each semester
5	SPOC-CodeTantra			▪ Primary liaison and point of communication with CodeTantra officials.
6	Member of OBE Analytics, Student Counselling	Koneru Lakshmaiah Education Foundation (Deemed to be University), Vaddeswaram, 522502, Guntur, Andhra Pradesh, India	2023-2025	▪ OBE Analytics, Student Counselling
7	Coordinator for Alumni Association, Anti-ragging Committee, Workshops, and Labs Administration. Member of NAAC, NBA works, Lab Development Committee, Department Development Committee, Student Counselling	Sir C.R. Reddy College of Engineering, Vatluru, 534007, Eluru, Andhra Pradesh, India	2011-2023	▪ Organization and management activities at the department and college level.

Certifications/MOOC Courses Completed

S. No.	Title	Platform	Duration	Year
1	Teaching And Learning in Engineering	NPTEL	4-weeks	Jan-Feb 2025
2	Data Science Using Python	SWAYAM	12-weeks	Jul-Oct 2024
3	Introduction to Machine Learning	NPTEL	12-weeks	Sep-Dec 2020
4	Introduction to R Software	NPTEL	8-weeks	Aug-Sep 2018

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

S. No.	Title	Status	Application No.	Year
1	Redundant anomaly enumerator for smart home energy consumption data	Published	202141037210	2021

Ph.D.

Awarded	-
Guiding	1

Invited Talks

No. of Invited Talks	-

Professional Service / Reviewer

Reviewer for the following Journals/Conferences

S. No.	Name of the Journal/Conference
1	IEEE Access
2	Computers and Electrical Engineering – Elsevier
3	Sustainable Computing: Informatics and Systems – Elsevier
4	Applied Energy – Elsevier
5	Smart Energy – Elsevier
6	Sustainable Futures - Elsevier
7	Digital Engineering - Elsevier
8	Diagnostics – MDPI
9	Healthcare – MDPI
10	Processes - MDPI
11	Journal of Network and Computer Applications – Elsevier
12	Scientific Reports – Springer Nature
13	International Journal of Electrical and Computer Engineering (IJECE)
14	AI, Computer Science and Robotics Technology
15	Asian Journal of Research in Computer Science
16	Advances in Research
17	Asian Journal of Economics, Business and Accounting
18	Asian Journal of Education and Social Studies
19	Current Journal of Applied Science and Technology
20	Journal of Geography, Environment, and Earth Science International
21	International Conference on Advances in Computational Intelligence and Informatics (ICACII-2023)
22	The 4th International Conference on Electrical, Computer and Energy Technologies (ICECET-2024)
23	International Conference on Wireless Communication and Internet of Everything (ICWCIE-2024)

24	International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS-2024)
25	International Conference on 6G Communications Networking and Signal Processing (SGCNSP-2024)
26	International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME-2024)
27	International Conference on Electrical and Computer Engineering Researches (ICECER-2024)
28	The 5th International Conference on Electrical, Computer, and Energy Technologies (ICECET-2025)
29	11th International Conference on Power Systems 2025

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	16
International / National Level Seminars	01 / 01
International / National Level Conferences	08 / 01
Workshops	18
Instructor-Led / Self-Paced Courses	08
Webinars	18

Professional Bodies Membership Details

S. No.	Membership No.	Society Name
1	101673035	Member, Institute of Electrical and Electronics Engineers (IEEE)
2	AM 163856-7	Associate Member, The Institution of Engineers (IE)
3	129894	Member, International Association of Engineers (IAENG)
4	LM53255	Life Member, Indian Society for Technical Education (ISTE)

(Dr. K. Purna Prakash)

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