

Ch.Raga Madhuri



Designation : Assistant Professor

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Contact at : C155, Department of Computer Science and Engineering,
Velagapudi Ramakrishna Siddhartha Engineering College,
Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Computer Science and Engineering)

Pursuing, Jawaharlal Nehru Technological University, Kakinada

M.Tech (Computer Science and Engineering)

2014, Jawaharlal Nehru Technological University, Kakinada

B.Tech (Information Technology)

2012, Jawaharlal Nehru Technological University, Kakinada

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2015-Till Date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Delivering CSE courses, supervising projects, engaging in research, and contributing to curriculum design

Research Interests

Broad Area of Research :

- Affective Computing
- Data Mining
- Machine Learning
- Deep Learning

Honors and Awards

- Recieved “**Vignan Techno Merit Award**” for demonstrated outstanding academic success and motivation in engineering discipline in B.Tech.
- Consistently stood as Topper of the class and received merit awards in B.Tech and M.Tech.
- Qualified in **APSET-2019, APRCET-2019** examination conducted by Andhra University, Andhra Pradesh.
- **Ratified** by JNTUK **Kakinada** in the year dated march 2023.
- Acted as **an EBOX Trainer** for Department of ECE continuously for Two Years as a part of second years Placements Training Program.
- As a part of Self Learning and knowledge enhancement, I have done a total of **7 certifications in Coursera** Platform offered by prominent Universities and MNCs globally.
- **Organized many Workshops/training programs** for Students on Cloud Computing, Web Technologies, AWS Services, Django Framework in collaboration with APSSDC and corporate companies.
- One of the faculty deputed for **Elite++ club** which is intended for Placement Trainings for students targeted for Higher Packages for many years.

Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Computer Networks	UG
2.	Cloud Computing	UG
3.	Mobile Computing	UG
4.	DevOps	UG
5.	OOP through JAVA	UG
6.	Web Technologies	UG
7.	Operating Systems	UG
8.	E-Commerce	UG
9.	Agile Software Development	UG
10.	E-Commerce	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=uGYJRtsAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=58754756600
ORCID	https://orcid.org/0000-0002-3687-0783
Publons	https://www.webofscience.com/wos/author/record/ABO-9854-2022
Research Gate	https://www.researchgate.net/profile/Raga_Chandra
LinkedIn	https://www.linkedin.com/in/ch-raga-madhuri-assistant-professor-cse-4957722a9/

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	“Smart Irrigation Optimization with IoT and Weather Forecasts for Sustainable Crop Management”	On-Going	Acharya NG Ranga Agricultural University (ANGRAU), Tirupati.	5,00,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1.	Year Wise Faculty Co-ordinator-3 rd Year AI&DS	SAHE, Deemed to be University	2023-Present	monitoring academic activities, student discipline, attendance, and performance

				in academics, projects, and innovations.
2.	Professor Incharge Department Print Media	SAHE,Deemed to be University	2024-Present	Responsible for designing and updating the Department Brochure, documenting notable events and guest visits, creating and disseminating newsletters, and ensuring timely updates of departmental information on the website.
3.	Faculty Co-Ordinator Department Student Clubs-MLSC	SAHE,Deemed to be University	2023-Present	Enhancing technical skills through hands-on workshops, hackathons and coding challenges.Encourage continuous learning and equip students with skills for a thriving career in the tech industry
4.	Faculty Incharge, IPR R&D Cell	SAHE,Deemed to be University	2023-Present	Preparation of faculty wise patents,IPR and sanctioned projects
5.	Faculty Incharge IQAC Support cell & Academic Audit Team	SAHE,Deemed to be University	2023-Present	Arrangement and planning Academic Audit, monitoring and preparation of Academic Audit Reports ,Submission of AQAR data every year to IQAC
6.	Faculty Incharge Achievements Repository	SAHE,Deemed to be University	2023-Present	Collection of Student Participations in external and internal events (workshops, technical competitions, hackathons and project Expo)

Certifications/MOOC Courses Completed

S No.	Title	Platform	Duration	Year
1.	Affective Computing	NPTEL	12 weeks	2025
2.	TinyML1: Fundamentals of TinyML	edX	12 weeks	2024

3.	Salesforce AI Specialist certification	Salesforce	Global Certification	2024
4.	Fundamentals of Artificial Intelligence	NPTEL	12 Weeks	2023
5.	Machine Learning Stanford University	Coursera	11 weeks	2022
6.	Fundamentals of Network Communication	Coursera	5 weeks	2020
7.	End-to-End Machine Learning with TensorFlow on Google Cloud	Coursera	7 weeks	2019
8.	Machine Learning Foundations: A Case Study Approach	Coursera	7 weeks	2018
9.	Java Programming: Principles of Software Design	Coursera	4 weeks	2017
10.	Big Data Emerging Technologies	Coursera	6 weeks	2017
11.	Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure	Coursera	4 weeks	2017

Patents

S.No	Title	Status	Application No.	Year
1.	A SENSOR-BASED DRIVER SAFETY SYSTEM WITH MITIGATION OF HEALTH RISKS IN VEHICLES	Published	202441045899	2025
2.	EMBEDDED TECHNOLOGY BASED PATIENT DRIPS LEVEL MONITORING SYSTEM	Published	202441033799	2024

3.	Artificial intelligence algorithm utilised intelligent accident indication system to the rescue team using thriving cloud computing	Published	202241072503	2022
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Invited Talks

No. of Invited Talks	01
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Professional Service / Reviewer

- Reviewer: Reviewer in ANTIC-2024 International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2024), Banaras Hindu University, Varanasi, India.
- Reviewer: Reviewer in ANTIC-2023 3rd International Conference On Advanced Network Technologies And Intelligent Computing, Banaras Hindu University, Varanasi, India.
- Reviewer: Informatyka, Automatyka, Pomiar w Gospodarce i Ochronie Środowiska.

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	25
International / National Level Seminars	08 / 02
International / National Level Conferences	13 / 02
Workshops	15
Instructor Led / Self-Paced Courses	10
Webinars	12

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	5072250017	Computer Society of India (CSI)
2.	521312	International Association of Engineers (IAENG)

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