

Dr Bindu Madhavi Tummala



Designation : Senior Assistant Professor
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Contact at : C406, Department of Computer Science and Engineering,
 Siddhartha Academy of Higher Education,
 Deemed to be University, Kanuru, Vijayawada, Andhra
 Pradesh 520007.

Education

Ph.D (Deep Learning)

2024, VIT-AP University, Amaravati

M.Tech (Computer Science and Engineering)

2013, DVR&Dr. HS MIC College of Technology, JNTUK

B.Tech (Computer Science and Engineering)

2008, DVR&Dr. HS MIC College of Technology, JNTUH

Experience

Period	Designation	Institution / Organization	Key Responsibilities
Sept 2025- Till date	Senior Assistant Professor	Siddhartha Academy of Higher Education (SAHE) , a deemed to be University, Vijayawada, Andhra Pradesh	AQAR dept. Coordinator, Course Coordinator, UG Project guidance, Internship faculty in-charge.
December 2022– August 2025	Assistant Professor		
Jan 2018- 2021	Full-time Research Scholar	VIT-AP University, Amaravati.	
May 2015– December 2017 & Dec 2021- June 2022	Assistant Professor	SRK Institute of Technology, Enikepadu, Vijayawada.	
June 2014 –	Assistant Professor	MVR College of Engineering, Paritala.	

April 2015			
July 2009 – May 2010	Lecturer	Sasi College of Engineering and Technology, Tadepalligudem.	

Research Interests

Broad Area of Research:

- **Medical Image Processing**
- **Deep Learning**
- **Computer Vision**

Honors and Awards

- Raman Research Award for publications for the academic year 2021-22 and 22-23 at VIT-AP University.
- APSET qualified in the year 2017.
- Completed the following NPTEL certifications and recognized as NPTEL Discipline Star Dec 2019.

Year	Course Name	Performance
2019	Machine Learning for Engineering and Science Applications	Elite
2019	Fuzzy Logic and Neural Networks	Elite + Silver
2018	Introduction to Machine Learning	Elite
2018	Cryptography and Network Security	Elite
2017	Introduction to Operating Systems	Elite
2017	Information Security-3	Elite

Courses Taught

S. No	Course Name	Level (UG/PG)
1	Operating Systems	UG
2	Cryptography and Network Security	UG
3	Information Security	PG
4	C Programming	UG

5	Advanced Data Structures and Design and Analysis of Algorithms	UG
6	Database Management Systems	UG
7	Introduction to Artificial Intelligence	UG
8	Data Analytics	UG
9	Artificial Neural Networks	UG
10	Introduction to Artificial Intelligence and Machine Learning	UG
11	Natural Language Processing	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=zPBoEJQAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57211294244
ORCID	https://orcid.org/0000-0003-0906-7239
Publons	https://www.webofscience.com/wos/author/record/GOI-3006-2022
Research Gate	https://www.researchgate.net/profile/Bindu-Tummala
LinkedIn	https://www.linkedin.com/in/dr-bindu-madhavi-tummala-assistant-professor-cse-919682386/

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
1.	Funded	Development of Infra-Red Camera Based Crowd Surveillance using Hybrid Deep- Learning Model	On-going	ADRIN, Hyderabad	32,90,760/-	36 Months

Certifications/MOOC Courses Completed

S. No.	Title	Platform	Duration	Year
1.	Machine Learning for Engineering and Science Applications	NPTEL	8 Weeks	2019
2.	Fuzzy Logic and Neural Networks	NPTEL	8 Weeks	2019
3.	Introduction to Machine Learning	NPTEL	8 Weeks	2018
4.	Cryptography and Network Security	NPTEL	8 Weeks	2018
5.	Introduction to Operating Systems	NPTEL	8 Weeks	2017
6.	Information Security-3	NPTEL	8 Weeks	2017

Consultancy / Industry Projects

Completed	00
On-going	00
Applied	00

Patents

S.No	Title	Status	Application No.	Year
1.	Automated Detection of Cardiac Arrhythmia using Recurrent Neural Networks	Published	202441050584	2024

Ph.D. GUIDANCE

Awarded	00
Guiding	0

Invited Talks

No. of Invited Talks	00
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Professional Service / Reviewer

- Reviewer – Computers and Biology in Medicine, Elsevier
- Reviewer- Journal of Image and Graphics

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	14
International / National Level Seminars	03
International / National Level Conferences	05
Workshops	03
Instructor Led / Self-Paced Courses	08
Webinars	05

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	99648565	IEEE
2.	380843	International Association of Engineers (IAENG)

(Dr. Bindu Madhavi Tummala)
