

Dr K Chandrakala



Designation : Assistant Professor (Selection Grade)
E-Mail ID : chandrakala@vrsiddhartha.ac.in
Contact at : Department of Computer Science and Engineering,
 Siddhartha Academy of Higher Education,
 Deemed to be Univeristy, Kanuru, Vijayawada, Andhra
 Pradesh 520007.

Education

Ph. D (AoR: Retinal Image Enhancement and Lesion Segmentation)

2025, National Institute of Technology, Tiruchirappalli

M.Tech (Computer Science and Engineering)

2012, University College of Engineering, JNTU, Kakinada

B.Tech (Computer Science and Engineering)

2007, JNTUCE (Autonomous), Anantapur , JNTU, Hyderabad

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2025 - Present	Assistant Professor (Selection Grade)	Siddhartha Academy of Higher Education (Deemed to be University), Vijayawada	UG Projects guidance, research publications, NBA coordination, Course Coordinator, Curriculum design
2024 - 2025 (Aug)	Assistant Professor		
2016-2024	Assistant Professor	Vignan's Nirula Institute of Technology and Science for Women, Guntur	Coding Coordinator, Internship Coordinator, HoD of CSE-AIML, WIPRO TalentNext Student Program SPOC, UG Projects guidance
2013-2016	Assistant Professor	Satya Institute of Technology and Management, Vizianagaram	Placement Coordinator
2007-2013	System Engineer	TATA Consultance Services	Application Development & Maintenance, Knowledge Transfer & Training, Onsite-Offshore Coordination

Research Interests

Broad Area of Research :

Computer Vision, Medical Image Processing, Ophthalmology, Precision Agriculture

Honors and Awards

- Recognized as NPTEL Discipline Star 2023
- Received Certificate of Excellence for the project titled "Student Feedback System using Artificial Intelligence" which is conducted by WIPRO TalentNext during Nov 22 - March 2023.
- Achieved top 1% in NPTEL "Big Data Computing", 2020
- Achieved top 5% in NPTEL "Introduction to programming in C", 2019
- Achieved top 5% in NPTEL "Programming in Java", 2019
- Ratified as Assistant professor by JNTUK in 2019
- UGC NET Qualified 2016
- APSET Qualified 2016
- Received "Service and Commitment Award" from Tata Consultancy Services (2010-2011).
- Received "On the Spot Award" from Tata Consultancy Services (2009).

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Machine Learning	UG
2	Programming using C	UG
3	Big Data Analytics	PG
4	Java programming	UG
5	Web Technologies	UG
6	Python Programming	UG
7	Data Structures	UG
8	Deep Learning	UG
9	Cloud Computing	UG
10	C++ Programming	UG

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.co.in/citations?hl=en&user=P8j7izoAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57219699696
ORCID	https://orcid.org/0000-0002-2859-1231

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Course Coordinator	SAHE	2024-2015	Course Coordination, Handout Preparation, ALM Design, Question Paper Setting, Course File Preparation
2	Head of the Department	VNITSW	2023-2024	Department Administration, Events & Outreach, Student Development
3	Industry Connect – SPOC (WIPRO TalentNext)		2021-2024	Training sessions coordination, Conducting classes and mentoring, Student progress monitoring, Exam and certification handling, Reporting outcomes to Principal
4	Coding Coordinator		2021-2024	Plan, organize, and supervise coding sessions, workshops, and competitions.
5	APSCHE Internship Coordinator		2022-2023	APSCHE liaison, Internship facilitation, Student registration, Industry coordination, Progress monitoring, Feedback collection, Certification tracking
6	Microsoft Upskilling Programme SPOC		2021-2022	Coordinate enrollment, scheduling, and completion of upskilling programs for students/faculty

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Introduction to Programming in C	NPTEL	12 Weeks	2019
2.	Programming in JAVA	NPTEL	12 Weeks	2019
3.	Big Data Computing	NPTEL	8 Weeks	2020
4.	The Joy of Computing using Python	NPTEL	12 Weeks	2021
5.	Deep Learning	NPTEL	12 Weeks	2023
6.	Introduction to Machine Learning	NPTEL	12 Weeks	2025
7.	WIPRO JAVA Certified	WIPRO	Life Long Validity	2021

Invited Talks

No. of Invited Talks	04
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Professional Service / Reviewer

- Reviewer in Journal of Super Computing, Springer
- Reviewer in Scientific Reports
- Reviewer in neural computing and applications, Springer
- Reviewer in Artificial Intelligence Review, Springer

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	21
International / National Level Conferences	02
Workshops	4
Instructor Led / Self-Paced Courses	6
Webinars	10

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	2010000225	Computer Society of India (CSI)
2.	1100723348	Institution of Engineering and Technology (IET)
3.	135734	International Association of Engineers (IAENG)



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