KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ – ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)
(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI&ML)

Vol - 1, Issue - 2

News Letter

January-2025

AI Chronical

It gives me immense pleasure that the Department of Computer Science and Engineering (AI&ML) is coming up with their second issue of their newsletter "AI Chronical". I appreciate the enthusiastic effort made by the Editorial board, staff and the students to bring out this issue and all the hard work they put in.
We believe in working hard to foster a culture that is always focused on doing what is best for students and ensuring that they have a positive educational experience that will transform them into good engineers and good human beings.

Dr. K. Ashoka Reddy
Principal, KITSW

We are elated to release the second issue of newsletter of Department of Computer Science and Engineering (AI&ML), January 2025. In our newsletters, we periodically publish all the important events, activities of the students and faculty. The unique feature of this newsletter is that its designed and developed by our students. I thank all contributors including faculty, staff members and students for their valuable inputs.

Dr. S. Narasimha Reddy
HoD, CSM

Vision

Attaining centre of excellence status in various fields of Computer Science and Engineering (AI & ML) by offering worth full education, training and research to improve quality of software services for ever growing needs of the industry and society.

Mission

1. Practice qualitative approach and standards to provide students better understanding and profound knowledge in the fundamentals and concepts of computer science with its allied disciplines.

2. Motivate students in continuous learning to enhance their technical, communicational, and managerial skills to make them competent and cope with the latest trends, technologies, and improvements in computer science to have a successful career with professional ethics.

3. Involve students to analyze, design and experiment with contemporary research problems in computer science to impact socio-economic, political and environmental aspects of the globe.

The Department of Computer Science and Engineering(AI & ML), which has a fine blend of renowned as well as Experienced and dynamic personalities as faculty, is involved in providing quality education at Undergraduate (UG). The syllabi of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology and Industries.

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the Academic Year 2024-25

Title of paper	Name of the author/s	Department of the teacher	Name of Journal (WoS)	Year of publication	ISSN number	Link to website of the Journal	Link to article / paper / abstract of article	Is it listed in UGC Care list
A Machine Learning Framework For Predictive Waste Management Optimization In Smart Cities	Sai Rama Krishna Indarapu, Bhukya Kranthikumar, Swathy Vodithala, Md. Sharfuddin Waseem, Kireet Muppavaram	CSE (AI&ML)	International Journal of Environmental Sciences	2025	2229-7359	International Journal of Environmental Sciences	View of A Machine Learning Framework For Predictive Waste Management Optimization In Smart Cities	Yes
Innovative Machine Learning Strategies for Enhancing Cyber security Resilience in IoT	Valishetti Prashanthi, K. Chandra sekhar, Yogeesha H C, P. J. Beslin Pajila, Mr. J. A. Jevin, Dr. Sampada	CSE (AI&ML)	Journal of Neonatal Surgery	2025	2226-0439	https://doi.org/10.52783/jns.v14.3510	https://cuestionesdefisioterapia.com/index.php/es/article/view/984	Yes
Development of Advance Machine Learning (ML) Strategies for Enhanced Mobile Robot Control	Valishetti Prashanthi, Akula Anitha, Ms. L. Madhuri devi, Dr.Sampada Abhijit Dhole, Vasudevan M, Mr. J.A.Jevin	CSE (AI&ML)	CUESTIONES DE FISIOTERAPIA	2025	2695-7639	https://doi.org/10.48047/epjxw841	https://cuestionesdefisioterapia.com/index.php/es/article/view/984	Yes
MEDICAL DATA SET IMPLEMENT USING ML MODELS	A. Ramya Kumari, B.Kalyan T.Ramakrishna,N. Haritha, T.Kalyani	CSE(AI&ML)	UGC International Journal	2025	2456 – 5083	https://ijiemr.org/	https://ijiemr.org/downloads/paper/Volume-14/medical-data-set-implement-using-ml-models	YES
Image classification uncertainty in deep learning finding techniques	K.VENKATESHWAR RAO, M.Sowmya , A.Nikhitha , V. Ramu , B.Kalyan	CSE(AI&ML)	UGC International Journal	2025	2456 – 5083	https://ijiemr.org/	https://ijiemr.org/downloads/paper/Volume-14/image-classification-uncertainty-in-deep-learning-finding-techniques-2	YES
Crop Disease Detection by Deep Joint Segmentation and Hybrid Classification Model: A CAD- Based Agriculture	Raghuram Bhukya, Shankar Vuppu, A Harshvardhan, Hanumanthu Bukya, Suresh Salendra	CSE (AI&ML)	Journal of Phytopathology	2025	1439-0434	https://onlinelibrary.wiley.com/journal/14390434	https://onlinelibrary.wiley.com/doi/abs/10.1111/jph.70003	Yes
Artificial intelligence-enhanced terahertz metasurface biosensor for breast cancer biomarker detection	Jothi Prabha Appadurai, K. Kaliaperumal, J. Wekalao, and A. Rajakannu	CSE (AI&ML)	Plasmonics	2025	1557-1963	https://link.springer.com/article/10.1007/s11468-025-03051-y	https://onlinelibrary.wiley.com/journal/14390434	Yes
Machine learning-enabled optimization of a graphene coated terahertz metasurface for isoquercitrin biosensin	C. Selvan, Jothi Prabha Appadurai, Habib Kraiem, and Rathish C. R.,	CSE (AI&ML)	Journal of The Electrochemical Society	2025	1945-7111	https://iopscience.iop.org/article/10.1149/1945-7111/ade347	https://iopscience.iop.org/article/10.1149/1945-7111/ade347	Yes
Enhancing swimming pool hygiene: A robotic approach to debris removal and water quality monitoring.	Hemalatha S, Kiran Mayee Adavala, Thilagam T, Pullela S. V. V. S. R. Kumar, Ramesh Turnaati, Muthuvairavan Pillai Nagappan,	CSE (AI&ML)	Asian Journal of Water, Environment and Pollution	2025	0972-9860	https://accscience.com/journal/AJWEP	https://doi.org/10.36922/ajwep.6564	Yes

Swayam-NPTEL-AY 2024-25(Jul-Dec & Jul-Oct) Faculty and Student Achievers
Faculty Achievers:

No.	Name	Department	Certificate Type	Certificate Type	Topper
1	Narasimha Reddy Soora	CSM	Elite+gold	Topper of 2% in Introduction To Machine Learning - IITKGP	
2	Revoori Swetha	CSM	Elite+gold	Topper of 5% in Introduction to Internet of Things	
3	Enugala Rajitha	CSM	Elite+gold	Topper of 5% in Introduction to Internet of Things	
	Student Achievers :				
1	Mandala Sriman Narayana	CSM	Elite+Silver	Topper of 2% in Programming in Java]	
2	Koppula Shashank	IT	Elite+Silver	Topper of 2% in Introduction to Industry 4.0 and Industrial Internet of Things	
3	Endla Akhil Balaji	CSM	Elite+Silver	Topper of 2% in Data Structure and Algorithms using Java	
4	Endla Akhil Balaji	CSM	Elite+Silver	Topper of 5% in Data Base Management System	
5	Adi Sai Kiran	CSM	Elite+Silver	Topper of 5% in Data Structure and Algorithms using Java	
6	Endla Akhil Balaji	CSM	Elite+gold	Topper of 5% in Introduction to Internet of Things	
7	Vardhan kumar ch	CSD	Elite+Silver	Topper of 5% in Programming in Java	

Swayam-NPTEL-AY 2024-25 (Jan-Mar & Jan-Apr) Faculty and Student Achievers
Faculty Achievers:

No.	Name	Department	Certificate Type	Faculty / Student
1	JOTHI PRABHA APPADURAI	CSE(AI&ML)	NPTEL_MOTIVATED_LEARNERS	Faculty
2	Jothi Prabha Appadurai	CSE(AI&ML)	NPTEL_DISCIPLINE_STARS	Faculty
3	MOHAMMAD SOHEL	CSE(AI&ML)	NPTEL_BELIEVERS	Student
4	MANDALA SRIMAN NARAYANA	CSE(AI&ML)	NPTEL_DISCIPLINE_STARS	Student
5	ENDLA AKHIL BALAJI	CSE(AI&ML)	NPTEL_DOMAIN_SCHOLARS	Student
6	MANDALA SRIMAN NARAYANA	CSE(AI&ML)	NPTEL_DOMAIN_SCHOLARS	Student

Faculty Achievers:

No.	Name	Department	Certificate Type	Topper
1	Jothi Prabha Appadurai	CSE (AI&ML)	Elite+Silver	Topper of 5% in Deep Learning
2	ENUGALA RAJITHA	CSE (AI&ML)	Elite+Silver	Topper of 2% in Introduction to Database Systems
	Student Achievers:			
1	Ramini Seethesh	CSE (AI&ML)	Elite+Silver	Topper of 5% in Programming, Data Structures And Algorithms Using Python
2	DHEEMANTH DHANPAL	CSE (AI&ML)	Elite	Topper of 5% in Data Base Management System
3	NYATHA JATHIN	CSE (AI&ML)	Elite+Silver	Topper of 5% in Blockchain and its Applications
4	Adi Saikiran	CSE (AI&ML)	Elite+Silver	Topper of 5% in Project Management

Students participants in the Event: "Clarity Connect" On 1st Jan 2025

Students participants in the Event: "Clarity Connect" On 1st Jan 2025

Students participants in the Event: "Track Of Tales" On 21-Jan-2025

Students and faculty participation in the Event: "Exposure on NPTEL Certification" On 11-Feb-2025

Sstudents Organizers in the Event: "emoji.codeo" On 4-March-2025

Students Organizers in the Event: "Brain Teasers" On 18-March-2025
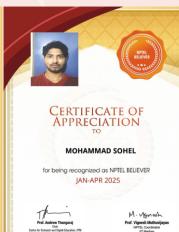

Students Organizers and participates in the Event: "UNRAVEL" On 11-March-2025