




Gokaraju Rangaraju Institute of Engineering and Technology

Departments of CSE

FACULTY PROFILE

About	
Name :	GURRAM VIJENDAR REDDY
Designation :	ASSOCIATE PROFESSOR
Department :	CSE
Faculty Id :	463
JNTUH Id :	21150330123314
Recent Photo :	
About Myself :	Mr. G Vijendar Reddy, Associate Professor of Information Technology, pursuing Ph.D in Computer Science Engineering from JNTU, Kakinada and M.Tech in Software Engineering from JNTU, Anantapur. He is having over 19 years of experience.
Contact Details	
College Email Id :	GVIJENDARREDDY@GRIET.AC.IN
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Educational Details	
Ph.D :	Pursuing Ph.D in Computer Science Engineering from JNTU, Kakinada
M.Tech :	M.Tech in Software Engineering from JNTU, Anantapur
B. Tech :	B,Tech in CSIT from JNTUH
Professional Background	



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Please Enter Professional Experience details:	<p>Associate Professor in CSE Department of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) Bachupally, Hyderabad, from July 2025 to Tilldate.</p> <p>Associate Professor in IT Department of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) Bachupally, Hyderabad, from July 2010 to June 2025.</p> <p>Assistant Professor in IT Department of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) Bachupally, Hyderabad,, from July 2006 to June 2010.</p>
Administrative Experience	
(Please enter if any)	College GHMC Electoral Co-ordinator
Committee Work	
(Please enter if any)	Department Development Committee member B Tech projects review committee member Industry oriented Main projects coordinator
Publications	
(Please enter Title, ISSN No, DOI and all details)	
International :	<ol style="list-style-type: none"> 1) Influence of nanoparticle agglomeration on tensile strength: A material testing and analysis approach- Volume 3157, Issue 1 -21 April 2025 (SCOPUS) 2) Dynamic Analysis of Structures and Systems in Engineering-Aip Conference Proceedings3157(1) (SCOPUS) 3) Characterization of Creep Behaviour in High-Temperature Alloys: A Thermo-Mechanical Testing Approach--Aip Conference Proceedings3157(1) (SCOPUS) 4) Role of Clay Minerals in Geotechnical Engineering: A State-of-the-Art Review with Geotechnical Data Analysis-Aip Conference Proceedings3157(1) (SCOPUS) 5) Design and Simulation of the Grim, Reaper, and Binder in a Semi-Automatic EV Agricultural Machine-Aip Conference Proceedings3157(1) (SCOPUS) 6) Deep Learning for Improved MQTT-Based Security Detection in IoT Systems-Ic3 2025pp. 1184-1189(SCOPUS)
National :	



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- 7) Semantic Sensor Network Ontology for Forest Fire Management Decision Support -Ic3 2025pp. 1287-1292(SCOPUS)
- 8) Advanced Temporal Forecasting Models for Energy Consumption Prediction Using Recurrent Neural Networks and Additive Decomposition Techniques-Ic3 2025 pp. 751-756(SCOPUS)
- 9) Analysis of efficient building for energy conversion and storage using phase change material- E3s Web of Conferences 507(SCOPUS)
- 10) A review paper on current state of the worldwide solar energy generation - E3s Web of Conferences 507(SCOPUS)
- 11) Precision farming practices with data-driven analysis and machine learning-based crop and fertiliser recommendation system - E3s Web of Conferences 507(SCOPUS)
- 12) A comprehensive review on helmet detection and number plate recognition approaches - E3s Web of Conferences 507(SCOPUS)
- 13) Detection of Electrical Transmission Line Overload with Blockchain using Isolation Forest with Recurrent Neural Network-Icmnwc 2024(SCOPUS)
- 14) Detecting Danger: AI-Enabled Road Crack Detection for Autonomous Vehicles-E3s Web of Conferences 430(SCOPUS)
- 15) Sustainable Hand Gesture Recognition for Speech Conversion, Empowering the Speech-Impaired-E3s Web of Conferences 430(SCOPUS)
- 16) An Efficient, Novel, and Sustainable IoT-Based Approach for Attendance Detection through RFID Module and IR Sensor-E3s Web of Conferences 430(SCOPUS)
- 17) Deep Learning-based Speech Emotion Recognition: An Investigation into a sustainably Emotion-Speech Relationship-E3s Web of Conferences 430(SCOPUS)
- 18) Sustainable Societal Empowerment through an Efficient Novel Paradigm on Industrial Internet of Things for Smart Medicare box- E3s Web of Conferences 430(SCOPUS)
- 19) IoT Sensor Based Sustainable Air Quality Monitoring System for Humans and Ecosystems in the World Empowerment -E3s Web of Conferences 430(SCOPUS)
- 20) DFR-TSD: A Sustainable Deep Learning Based Framework for Sustainable Robust Traffic Sign Detection under Challenging Weather Conditions -E3s Web of Conferences 430(SCOPUS)
- 21) Weapon Detection in Surveillance Videos Using YOLOV8 and PELSF-DCNN-E3s Web of Conferences 391(SCOPUS)
- 22) Gas Leakage Detection System Using IoT And cloud Technology: A Review -E3s Web of Conferences 391(SCOPUS)
- 23) An Ensemble Learning Approach For Task Failure Prediction In Cloud Data Centres -E3s Web of Conferences 391(SCOPUS)
- 24) IoT Based Gas Leakage detection System Using GPS--E3s Web of Conferences 391(SCOPUS)



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	<p>25) A Comprehensive Survey on Face Quality Detection in a Video Frame--E3s Web of Conferences 391(SCOPUS)</p> <p>26) Alzheimer's Disease Recognition Applying Non-Negative Matrix Factorization Characteristics from Brain Magnetic Resonance Images (MRI) --E3s Web of Conferences 391(SCOPUS)</p> <p>27) An efficient novel approach to E-commerce retail price optimization through machine learning--E3s Web of Conferences 391(SCOPUS)</p> <p>28) An Efficient Novel Approach on Machine Learning Paradigms for Food Delivery Company through Demand Forecasting in societal community--E3s Web of Conferences 391(SCOPUS)</p> <p>29) Image-based Driver Alert System for Prevention of Fatigue-related Accidents--E3s Web of Conferences 391(SCOPUS)</p> <p>30) Electricity Consumption Prediction Using Machine Learning--E3s Web of Conferences 391(SCOPUS)</p> <p>31) Density based smart traffic control system using canny edge detection algorithm along with object detection--E3s Web of Conferences 391(SCOPUS)</p> <p>32) Breast Cancer Classification Using Machine and Deep Learning-2023 3rd Asiancon 2023(SCOPUS)</p> <p>33) Analysis of Customer Reviews using Deep Neural Network-2022 1st International Conference on Artificial Intelligence Trends and Pattern Recognition Icaitpr 2022(SCOPUS)</p> <p>34) Efficient Machine Learning Model for Intrusion Detection—A Comparative Study-Advances in Intelligent Systems and Computing 1311 AISC, pp. 435-444(SCOPUS)</p> <p>35) Enforcement an Evidence and Quality of Query Services in the Cost-Effective Cloud-Advances in Intelligent Systems and Computing 1311 AISC, pp. 189-196(SCOPUS)</p> <p>36) Exhortation system for E-commerce apps using CCA and implicit feedback-Materials Today Proceedings33, pp. 4852-4855(SCOPUS)</p> <p>37) A data science view on effects of agriculture & industry sector on the GDP of India-international Journal of Recent Technology and Engineering 8(1), pp. 394-401(SCOPUS)</p> <p>38) ML based HCC survival prediction system-International Journal of Innovative Technology and Exploring Engineering8(6), pp. 343-347(SCOPUS)</p> <p>39) A quick recognition of duplicates utilizing progressive methods-international Journal of Engineering and Advanced Technology 8(4), pp. 1307-1310(SCOPUS)</p> <p>40) Prognostication of autism spectrum disorder (ASD) using supervised machine learning models- International Journal of Engineering and Advanced Technology 8(4), pp. 1028-1032(SCOPUS)</p>
Courses Taught	
Enter Courses Names:	Data Base Management Systems



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	Discrete Mathematics Software Engineering Object Oriented Analysis and Design Design Patterns Software Project Management Operation Research
Other Details	
Professional Memberships & Ids	1. Member of IAENG 2. Member of SDIWC