


Profile

Name of the Faculty	Dr.Puja S Prasad	
Designation	Associate Professor	
Department	CSE	
Area of Interest	Image processing, Computer vision	
Subjects Taught	Computer networks, Operating System, PPS, Computer Architecture and Assembly language programming	
JNTUH Registration Id	9213-170131-224323	
College Staff Code	SC-1385	
Official Mail	puja.cse@gcet.edu.in	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Image processing, Biometric, Pattern recognition	Banasthali University	2018
2	M.Tech	Software Engineering	Software Engineering	2007

Publications Details :

Biodata: Dr. Puja S. Prasad

Dr. Puja S. Prasad is a researcher in Computer Science and Engineering with specialization in Machine Learning, Biometric Systems, and AI in Healthcare. She has published more than 30 research papers in Scopus and Web of Science indexed journals and international conferences. Her recent work appeared in *CMES – Computer Modeling in Engineering & Sciences* (2024), focusing on biomedical data modeling. She has authored articles in *Mobile Information Systems* and *Security and Communication Networks* on secure biometric authentication. Several of her papers are part of Springer's *Lecture Notes in Electrical Engineering* and *Lecture Notes in Networks and Systems*. Her research includes deep learning for facial and retinal image analysis, and blockchain-based medical data privacy. She has explored feature engineering in biometric systems using supervised and unsupervised learning approaches.

Her survey papers on face recognition algorithms and biometric vulnerabilities are widely cited. She presented her work at *IEEE INDICON 2020* on deep learning-based face representation. Dr. Prasad has worked on AI-based resource allocation using combinatorial auction mechanisms. She co-authored a paper on cancelable biometrics and biometric template protection schemes. Her work includes dimensionality reduction techniques and empirical mode decomposition in breast cancer detection.

She collaborated internationally on AI and medical imaging applications across multiple journals. Her papers often address practical applications of AI for secure healthcare systems. She maintains a consistent research output with interdisciplinary contributions. She is indexed on Scopus with Author ID: 57203924740 and ORCID: [0000-0002-1426-9348](https://orcid.org/0000-0002-1426-9348). Dr. Prasad emphasizes ethical and fairness-aware AI model development in her recent research. She actively contributes to peer-reviewed publications in Springer, IEEE, and Elsevier. She continues to explore Edge AI, biometric liveness detection, and multimodal learning. Dr. Prasad is committed to impactful, application-driven research in intelligent computing.

Experience:

Teaching	14 years
Industry	1 year
Research	2 years
Total Experience	17 years