

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
DEPARTMENT OF MCA**

FACULTY PUBLICATIONS- 2023-24 to 2025-26

S. No.	Year	Faculty Name(s)	Title of the Paper published in peer reviewed journals (along with DOI)	Name of the Journal and Publisher	Is Scopus indexed	Is WoS indexed	Q1/Q2/Q3/Q4	SDG No
1	2025-26	Dr B. Indira	Forecasting near-term arrival delay times in freight rail operations with data-driven models	AIP Conference Proceedings	Yes	--	Q4	
2	2025-26	Srinath K.R Indira B.	ConvBiGRU deep learning classifier for sentiment analysis with optimization algorithm	Springer	Yes	--	Q1	
3	2025-26	I. Srujana P. Swarna Latha Vanitha Guda Dr. B. Indira	VirtualMe: A Large Language Model-Powered Chatbot for Enhanced Human Computer Interaction	2nd International Conference on Machine Learning and Autonomous Systems, ICMLAS 2025 - Proceedings	Yes	--	--	

4	2025	Dr. G.N.R. Prasad	Bioresin based hybrid green composite preparation using Holoptelea integrifolia fibers reinforced by Ziziphus jujuba seed particles: a fuzzy logic assisted optimization of mechanical behaviour " jOURNAL NAME : Zeitschrift fur Physikalische ChemieArticle October 2025 Q2 JOURNAL	Zeitschrift fur Physikalische ChemieArticle October 2025 Q2 JOURNAL				
5	2025	Dr. M. Ramchander	A scalable and secure federated learning authentication scheme for IoT	Scientific Reports	Yes	--	Q1	
6	2025	Dr. M. Ramchander	Secure cloud computing: leveraging GNN and leader K-means for intrusion detection optimization	Scientific Reports	Yes	--	Q1	
7	2025	P. Krishna Prasad	ELECTRICITY PRICE PREDICTION USING MACHINE LEARNING ALGORITHMS	IJPREMS	No	-	-	
8	2025	P. Krishna Prasad	VEHICLE DETECTION AND COUNTING SYSTEM USING OPENCV	IJPREMS	No	-	-	

9	2025	P. Krishna Prasad	CENSUS INCOME PREDICTION WITH CI/CD DEPLOYMENT : A COMPREHENSIVE MLOPS IMPLEMENTATION	IJPREMS	No	-	-	
10	2025	P. Krishna Prasad	DROWSINESS DETECTION SYSTEM USING DEEP LEARNING	IJPREMS	No	-	-	
11	2025	P. Krishna Prasad	AUTOMATED LEAF DISEASE DETECTION SYSTEM USING CONVOLUTIONAL NEURAL NETWORKS FOR PRECISION AGRICULTURE	IJPREMS	No	-	-	
12	2025	P. Krishna Prasad	DEVELOPMENT AND IMPLEMENTATION OF A MODERN E-STORE BOOK MANAGEMENT SYSTEM USING REACT.JS AND FIREBASE	IJPREMS	No	-	-	
13	2025	P. Krishna Prasad	CUSTOMER SEGMENTATION USING K-MEANS CLUSTERING	IJRPR	No	-	-	
14	2025	P. Krishna Prasad	Predicting User Music Preferences Using Machine Learning on Demographic	IJRPR	No	-	-	

			and Listening Patterns					
15	2025	P. Krishna Prasad	SECURED MULTI-OWNER DATA SHARING MODEL	IRJMETS	No	-	-	
16	2025	P. Krishna Prasad	A MERN-based Platform for Efficient News Aggregation and Delivery	IJIRCCE	No	-	-	
17	2025	B. Srinivasa S P Kumar	Unveiling Threats in the IoT: Anomaly Detection for Attack Classification	International Journal for Multidisciplinary Research (IJFMR)	No	-	-	
18	2025	P. Rambabu	Stock Market Analysis: Predicting Behavior and Risk using Monte Carlo Simulation	IJIRCCE	No	-	-	
19	2025	P. Rambabu	Leveraging HR Data Analytics Dashboards for Strategic Talent Management	IJIRCCE	No	-	-	
20	2025	P. Rambabu	Design and Development of Real-Time Chat System using the MERN Stack and Websockets	IJIRCCE	No	-	-	
21	2025	P. Rambabu	DEVELOPMENT OF AN E-COMMERCE APPLICATION INSPIRED BY INDUSTRY PRACTICES	IJIRCCE	No	-	-	
22	2025	P. Rambabu	AN INTERACTIVE QUIZ APPLICATION	IJPREMS	No	-	-	

23	2025	P. Rambabu	DESIGN AND DEVELOPMENT OF A TO-DO REMINDER APPLICATION USING NODE.JS, EXPRESS, AND MONGODB	IJRPR	No	-	-	
24	2025	P. Rambabu	CRIME MANAGEMENT SYSTEM	IJRPR	No	-	-	
225	2025	P. Rambabu	PASSWORD STRENGTH ANALYZER: ENHANCING SECURITY THROUGH INTELLIGENT EVALUATION	IJRPR	No	-	-	
26	2025	P. Rambabu	REAL-TIME WEATHER FORECASTING APPLICATION	IJPREMS	No	-	-	
27	2025	Dr. V Y Ganvir, Dr. Inakoti Ramesh Raja, Dr. E. Chandrasekaran, Dr. K. Suresh Kumar, Dr. G.N.R. Prasad	Non-Toxic Processable Solution Up-Cycling of Spent Electrical Anode DOI: 10.1021/acs.iecr.2c02634	Communications on Applied Nonlinear Analysis / internationalpubls.com	Yes	--	--	13

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1	2024	K. R. Srinath, Dr. B. Indira	Context-preserving Sentiment Classification Using Bi-TCN and BI-GRU with Multi-head Self-attention DOI: 10.30880/jscdm.2024.05.01.003	Journal of Soft Computing and Data Mining / UTHM Publisher	Yes	--	Q1	3
2	2024	Vijay Kumar Damera, G. Vanitha, B. Indira, G. Sirisha, Ramesh Vatambeti	Improved Snake Optimization-Based Task Scheduling in Cloud Computing DOI: 10.30880/jscdm.2024.05.01.003	Computing / Springer-Verlag GmbH	Yes	--	Q1	7
3	2024	Sumanth Ratna Kandavalli, Venkatesa Prabhu Sundramurthy, Dr. GNR Prasad et al.	Bioresin based hybrid green composite preparation using Holoptelea integrifolia fibers... (DOI: 10.1515/zpch-2024-0837)	Zeitschrift für Physikalische Chemie / De Gruyter	Yes	Yes	--	--
4	2024	Dr. G.N.R. Prasad	A Review on Availability of Information and Education Resources for Social Equality DOI: 10.1007/978-981-19-8590-4_2	International Journal of Computer Science and Mechatronics / SMSAMS Publications	Yes	--	--	--
5	2024	Prathyusha Burra, GNR Prasad	Social Media Insight: Predicting Self-Harm Trends (DOI: 10.30574/ijrsra.2024.13.1.2006)	International Journal of Science and Research Archive / IJSRA Publications	--	--	--	--
6	2024	Gundu Rushika, Dr. G.N.R. Prasad	Tide Talk - A Two Way Messenger Application	International Journal of Computer Science and Mechatronics / SMSAMS Publications	--	--	--	--

7	2024	Pathange Sheshu, Dr. G.N.R. Prasad	Voice-Based Gender Recognition System	International Research Journal of Modernization in Engineering Technology and Science / IRJMETS	--	--	--	--
8	2024	A. Rameshbabu, Dr. G.N.R. Prasad, et al.	Integrating Genetic Algorithm and Leverage the Slap Swarm Algorithm to Optimize the LSTM Model... (DOI: 10.63001/tbs.2024.v19.i02.S.I(1).pp288-293)	The Bioscan / The Bioscan Journal	Yes	Yes	--	--
9	2024	Prof. Venkata Pavan Kumar, Shaik Althaf Hussain Bhasha, Dr. G.N.R. Prasad	Applications Of Explainable AI: Enhancing Trust And Transparency In Critical Domains	International Journal of Computer Science and Mechatronics / SMSAMS Publications	--	--	--	--
10	2024	S. Swapna, Dr. G.N.R. Prasad	Semantic-Enhanced Auto-Encoder for Cyberbullying Detection DOI: 10.52783/tjjpt.v45.i02.5775	International Research Journal of Modernization in Engineering Technology and Science / IRJMETS	--	--	--	--
11	2024	V Vijaya Chamundeeswari, Mohammad Azhar, V S Divya Sundar, B Srinivasa S P Kumar, Dharavatu Mangamma, Vahiduddin Shariff	Brain MRI Analysis Using CNN-Based Feature Extraction and Machine Learning Techniques to Diagnose Alzheimer's Disease DOI: 10.3390/s22082911	First International Conference on Data, Computation and Communication / IEEE	Yes	Yes	--	3

12	2024	Dr. Jitendrasinh Jamadar, Ramesh Babu Pittla, D.G. Silpa, P. Arun Kumar, Azhar Ahmad, Dr. GNR Prasad	GRU-RNN Model to Analyze and Predict the Inflammation by Consumer Price Index DOI: https://doi.org/10.52783/jes.3306	Journal of Electrical System / JES	Yes	--	--	--
13	2024	K.R. Srinath, Dr. B. Indira	Context-preserving Sentiment Classification Using Bi-TCN and BI-GRU with Multi-head Self-attention	Journal of Soft Computing and Data Mining	Yes	-	-	-
14	2024	K.R. Srinath, Dr. B. Indira	ConvBiGRU deep learning classifier for sentiment analysis with optimization algorithm (DOI available)	Multimedia Tools and Applications, Springer	Yes	Yes	Q1	-
15	2024	Vinitha Reddy, Dr. B. Indira	Deep Learning-based Anomaly Detection for Cloud Service Tasks	Juni Khyat	-	-	-	-
16	2024	V. Srivardhan, Indira Baddam	DFR-TSD: Deep Learning Framework for Traffic Sign Detection	Journal of Engineering Sciences	-	-	-	-
17	2024	G. Naresh, Dr. B. Indira	Air Pollution Prediction using Multivariate LSTM (DOI available)	IJISAE	Yes	-	Q4	-

18	2024	GNR Prasad	Heart Disease Prediction using ML	ICMDRI	-	-	-	-
19	2024	Dr. GNR Prasad	Digitally Connected Rural Community	ICMDRI	-	-	-	-
20	2024	SK Althaf Hussain et al.	Skin Cancer Segmentation	NCETCS	-	-	-	-
21	2024	GNR Prasad et al.	Retail Market Analytics Model	NCETCS	-	-	-	-

2023-24

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1	2023	Vadityavath Prashanth, Dr. B. Indira	IoT-Driven Irrigation for Sustainable Agriculture	IJRAR	-	-	-	-
2	2023	Shivapriya, Dr. B. Indira	Crowd Anomaly Detection using CNN/RNN	Juni Khyat	-	-	-	-
3	2023	Sai Koushik, Dr. B. Indira	Dia-Analyze: Data Analytics for Diabetes	Juni Khyat	-	-	-	-
4	2023	Dr. B. Indira, G. Akanksha	Weather Impact on Air Quality Prediction	Juni Khyat	-	-	-	-
5	2023	Dr. B. Indira, Pravallika	Length of Stay Prediction using ML	Juni Khyat	-	-	-	-

6	2023	M. Chandana, Ramesh Ponnala, B. Indira	Hybrid Models for PCOS Prediction	IEEE ICAICCIT	Yes	Yes	-	-
7	2023	GNR Prasad et al.	Swasth: Inverse Cooking from Images	Springer SoCPaR	Yes	Yes	-	-
8	2023	GNR Prasad	IoT based Power Theft Detection	IEEE ICSCNA	Yes	Yes	-	-