



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
 NBA Accreditation for B.Tech. CE,EEE,ME,ECE,CSE,EIE,IT,AME, M.Tech. STRE, PE, AMS, SWE Programmes
 approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2023) Rank band:101-150 in Engineering Category
 College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres:CE,EEE,ME,ECE,CSE
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Details of Faculty Publications

Academic Year	Number of Publications	SCI/SCIE/Web of Science	Scopus	Others
2023-2024	13	2	9	2
2022-2023	23	3	14	5
2021-2022	26	2	15	8
2020-2021	9		4	5

Indexwise Faculty Publications

Academic Year	Book/Book Chapters	Journals	Conferences	Total
2023-2024		10	3	13
2022-2023	1	12	10	23
2021-2022	1	14	11	26
2020-2021		4	5	9

Details of Faculty Publications during the academic year 2023-24

S.No.	Title of paper	Name of the author/s	Name of journal/Conference	Year of publication	ISSN number	Indexing
1	Gradient-Boosted Decision Tree with used Slime Mould Algorithm (SMA) for wastewater treatment systems	Jyoti Chauhan, R. M. Rani, Vempaty Prashanthi , Hamad Almujiabah, Abdullah Alshahri, Koppula Srinivas Rao, Arun Radhakrishnan	Water Resuse	July 20, 2023	<u>2709</u> <u>6106</u>	Web of Science/SCIE

2	Automated Fish Species Detection	R. Kranthi Kumar , D Ashritha, D Siddharth, D Neeraj Ashish, M Akshara	International Research Journal of Engineering and Technology	Jul-23	2395 - 0056	Referee Journal
3	En-MinWhale: An Ensemble Approach Based on MRMR and Whale Optimization for Cancer Diagnosis	Amrutanshu Panigrahi; Abhilash Pati; Bibhuprasad Sahu; Manmath Nath Das ; Debasish Swapnesh Kumar Nayak	IEEE Access	Sep-23	2169 - 3536	Scopus
4	A novel credit scoring system in financial institutions using artificial intelligence technology	Geetha Manikanta Jakka , Amrutanshu Panigrahi , Abhilash Pati, Manmath Nath Das , Jyotsnarani Tripathy	Journal of Autonomous Intelligence	Aug-23	2630 - 5046	Scopus
5	PMP-SVM: A Hybrid Approach for effective Cancer Diagnosis using Feature Selection and Optimization	Pinakshi Panda, Sukant Kishoro Bisoy, Jyotsnarani Tripathy, Manmath Nath Das	International Journal on Recent and Innovation Trends in Computing and Communication	Nov-23	2321 - 8169	Scopus
6	Enhancing lung cancer disease diagnosis by employing ensemble deep learning approaches	Manmath Nath Das , Niranjana Panda, Rasmita Rautray	Indonesian Journal of Electrical Engineering and Computer Science	Dec-23	2502 - 4760	Scopus
7	Hybrid VGG16-Abstract Neural Network Model based Bird Detection and Classification of Images	Ramya Krishna Dhulipalla , Sibi Chakkaravarthy Sethuraman	International Journal of Intelligent Systems and Applications in Engineering	Sep-23	2147 - 6799	Scopus
8	Artificial Intelligence-Powered Electric Vehicle's Battery Management System with IoT	Nageswara Rao Gali, Singamaneni Krishnapriya , G. Kirubasri, Mahendra T. Jagtap, A.V.G.A. Marthanda,	International Journal of Intelligent Systems and Applications in Engineering	Sep-23	2147 - 6799	Scopus

		Mohammad Shahid				
9	Encryption with access policy and cloud data selection for secure and energy-efficient cloud computing	M. Indrasena Reddy, P. Venkateswara Rao, Talluri Sunil Kumar , Srinivasa Reddy K	Multimedia Tools and Applications	Jul-23	1573 - 7721	SCIE
10	Mood Sensitive Music Recommendation System	T Sunil Kumar , CH Harshitha, G Naga Charani, MD Nawaz, G Nithin	International Research Journal of Engineering and Technology (IRJET)	Aug-23	2395 - 0056	<u>Referee journal</u>
11	Rainfall Prediction Using Catboost Machine Learning	Vempaty Prashanthi, Srinivas Kanakala, Deepika Borgaonkar, D. Suresh Babu	2023 International Conference on Network, Multimedia and Information Technology	Sep-23	979-8-3503 - 0082-6	SCOPUS
12	A Novel Private Encryption Model in IoT Under Cloud Computing Domain	Sucharitha Yadala , Chandra Shaker Reddy Pundru, Vijender Kumar Solanki	The International Conference on Intelligent Systems and Networks	Aug-23	978-981-99-4725-6	SCOPUS
13	Deep learning based framework for crop yield prediction	Yadala Sucharitha, Pundru Chandra Shaker Reddy, T. N. Chitti	3RD INTERNATIONAL CONFERENCE ON MANUFACTURING, MATERIAL SCIENCE AND ENGINEERING (ICMMSE 2021)	Sep-23	978-0735 - 4457 96	SCOPUS

Details of Publication during the academic year 2022-23

S.No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Indexing
1	Neural network-based blended ensemble learning for speech emotion recognition	Bhanusree Yalamanchili, Srinivas Kumar Samayamantula, Koteswara Rao Anne	Multidimensional Systems and Signal Processing	Aug-22	0923-6082	SCI, SCIE, SCOPUS, UGC-CARE
2	Time-Distributed Attention-Layered Convolution Neural Network with Ensemble Learning using Random Forest Classifier for Speech Emotion Recognition	Yalamanchili Bhanusree, Samayamantula Srinivas Kumar, Anne Koteswara Rao	Journal of Information and Communication Technology (JICT)	Jan-23	2180-3862	SCOPUS
3	Ontologies' importance in efficient knowledge modelling for information retrieval: A Survey	Kranthi Kumar.R, Dr. B. Padmaja Rani	The International journal of analytical and experimental modal analysis	Nov-22	0886-9367	UGC-CARE
4	H-Onto: An Efficient Ontology Information Retrieval Method using Web Protege	Kranthi Kumar.R, Dr. B. Padmaja Rani	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Nov-22	2581-9429	Refereed Journal
5	Computers in Digital Forensics Using Machine Learning and Big Data	Balingan Sangameshwar, Gamidelli Yedukondalu Pramod Kumar Amaravarapu	Computer Integrated Manufacturing Systems	Jun-23	1006-5911	Scopus
6	A Model to Estimate Pulmonary Fibrosis Severity	Dr. P Subhash, Dr. G Ramesh Chandra, V Surya Narayana Reddy	Computer Integrated Manufacturing Systems	Dec-22	ISSN: 1006-5911	Scopus
7	Optimal Cluster Head Selection in WSN with Convolutional Neural Network-Based Energy Level Prediction	Sasikumar Gurumoorthy , Parimella Subhash, Rocio Pérez de Prado , Marcin Wozniak	MDPI SENSORS	Dec-22	ISSN: 1424-8220	SCIE

8	TEXT CLASSIFICATION USING MULTINOMIALNAÏVE BAYES CLASSIFICATION ALGORITHM	Dr.M. Raja Sekar, Dr.J.Srinivas, E.Lalitha	NeuroQuantology	Aug-22	ISSN NO: 1303 5150	Referee Journal
9	Application of Distributed System Technology-Guided Machine Learning	Surana Amruta Vijay, Prof. (Dr.) B.K. Sarkar, Dr. Mummalaneni Raja Sekar	NeuroQuantology	Dec-22	ISSN NO: 1303 5150	Referee Journal
10	MATHEMATICAL MODELING AND VISUALIZATION OF MNIST DATA USING EIGEN VALUES AND EIGEN VECTORS	Dr.M. Raja Sekar, P.Veeranjaneyulu , G.Ashalatha	NeuroQuantology	Sep-22	ISSN NO: 1303 5150	Referee Journal
11	A novel framework paradigm for EMR management cloud system authentication using blockchain security network	R. Thilagavathy, P. N. Renjith, R. V. S. Lalitha, Mantripragada Yaswanth Bhanu Murthy, Yadala Sucharitha & S. Lakshmi Narayanan	Soft Computing	Mar-23	1433-7479	SCIE,
12	A Design and Challenges in Energy Optimizing CR-Wireless Sensor Networks	P Chandrashaker Reddy, Yadala Sucharitha	Recent Advances in Computer Science and Communications	Nov-22	2666-2566	SCOPUS
13	Survey of Identification of Alzheimer's Disease Using MRI, Speech and MMSE	Y. Bhanusree, Divya Bulusu, Divija Chinni, Akanksha Narahari, Suma Sree Simhadri & Varshitha Bommareddy	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	28-Oct-22	978-981-19-4990-6	SCOPUS
14	Abnormal Behavior Prediction in Elderly Persons Using Deep Learning	Attili Venkata Ramana; Ujwala Bhoga; Ramya Krishna Dhulipalla, Ajmeera Kiran, B Deepthi Chary, Pundru Chandra Shaker Reddy	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	Jun-23	979-8-3503-3800-3	SCOPUS
15	SMS: SIGNS MAY SAVE – Traffic Sign Recognition and Detection using CNN	Praveen Tumuluru; Lakshmi Ramani Burra; N. Sunanda; Shaik Sharez Hussain, Dudipalli Madhu, Hasthi Venkat Varma	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	Dec-22	978-1-6654-8271-4	SCOPUS

16	SDDD: Stacked Ensemble Model for Driver Drowsiness Detection	Praveen Tumuluru; S.Sai Kumar; N. Sunanda; Jaswanth Sai Koduri, Teegela Ayyappa, Kilaru Balasanka	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	Jan-23	978-1-6654-7467-2	SCOPUS
17	AI-based Gender Identification using Facial Features	B. Venkateswarlu; N. Sunanda; A Yaswanth Mani Kumar; A Naga Siva Charan Reddy, B. Ram Gopal Hyndav	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	Mar-23	978-1-6654-5630-2	SCOPUS
18	A Study and Recognition of Alzheimer's Disease Using Machine Learning	SK Masthan Basha; Ashalatha G; Srisailapu D Vara Prasad, Mazin R. Al-Hameed, Sajad Ali Zearah, K Saikumar	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	Apr-23	979-8-3503-3401-2	SCOPUS
19	Ensuring Security in Internet of Everything (IoT) With Smart Sensor Networking and Mobile Ad Hoc Network	Ashalatha. G; Sanjay Modi; Anil Kumar Dixit; R. Ravi Kumar, Hayder Al-Chilibi, Malik Bader Alazzam	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	May-23	979-8-3503-9926-4	SCOPUS
20	Empirical Method for Thyroid Disease Prediction Using a Deep Learning Techniques	Reddyvari Venkateswara Reddy; Monisha G S; Ahmed Mudassar Ali, Palivala Yamini Devi, Madhusudhan M V, Yadala Sucharitha	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	Apr-23	979-8-3503-3401-2	SCOPUS
21	Network Intrusion Detection of Drones Using Recurrent Neural Networks	Yadala Sucharitha, Pundru Chandra Shaker Reddy, G. Suryanarayana	Drone Technology: Future Trends and Practical Applications	May-23	978-1394-166534	
22	Online Prediction of Positive and Negative Emotionology Applying Machine Learning Technique	Pichiyan Vijayaragavan; Chalumuru Suresh; V Surya Narayana Reddy, G Sathar, T Vijila	2023 7th International Conference on Intelligent Computing and Control Systems (ICICCS)	May-23	979-8-3503-9725-3	SCOPUS

23	A Novel Approach to Project Employee's Performance and Confinement	Gangarapu Shirisha, M. Raja Sekar	Proceedings of the International Conference on Cognitive and Intelligent Computing	Jan-23	979-8-3503-3401-2	SCOPUS
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Details of the Publications during the academic year 2021-22

S.No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Indexing
1	Chaotic Salp Swarm Optimization-Based Energy-Aware VMP Technique for Cloud Data Centers	S Parthiban, A Harshavardhan, S Neelakandan, Vempaty Prashanthi , Abdul-Rasheed Akeji Alhassan Alolo, S Velmurugan	Computational Intelligence and Neuroscience	12-May-22	1687-5273	Web of Science
2	Speech Emotion Recognition using Time Distributed 2D-Convolution layers for CAPSULENETS	Bhanusree Yalamanchili , Koteswara Rao Anne, Srinivas Kumar Samayamantula	Multimedia Tools and Applications	04-Mar-22	1573-7721	SCIE
3	Survey on Abstractive Transcript Summarization of YouTube Videos	S. Tharun, R. Kranthi Kumar , P. Sai Sravanth, G. Srujan Reddy, B. Akshay	International Journal of Advanced Research in Science Communication and Technology	Apr-22	2581-9429	Refereed Journal
4	Natural Language Modeling Semantic Search Engine	K Veena, Dr. T Sunil Kumar	Design Engineering	Dec-21	0011-9342	Not in UGC-CARE
5	Construction Method of Urban Planning Development using Artificial Intelligence Technology	Dr.Awari Mahesh Babu Dr. T.Sunil Kumar , Dr. Sarangam Kodati,	Design Engineering	July 2021	0011-9342	Refereed Journal

6	Advance Network Security Policies and Vulnerabilities of Security Threats	Dr. Ravi Kanth Motupalli , Dr. O. Naga Raju, Mr. V. Surya Narayana Reddy	Journal of Interdisciplinary Cyclic Research	January 2022	0022-1945	UGC-CARE
7	Machine Learning Progressed from Data Analytics and Pattern Recognition	Dr. D. N. Vasundhara, Mr. V. Surya Narayana Reddy	The International journal of analytical and experimental modal analysis	January 2022	0886-9367	UGC-CARE
8	Received signal strength indication based clustering and aggregating data using Q-learning in mobile Ad Hoc network	V. Surya Narayana Reddy , Dr. Jithendranath Mungara	Indonesian Journal of Electrical Engineering and Computer Science	August 2022	2502-4752	SCOPUS
9	MACHINE LEARNING-BASED EFFICIENT CLUSTERING AND IMPROVE QUALITY OF SERVICE IN MANET	V. Surya Narayana Reddy , Dr. Jithendranath Mungara	Indian Journal of Computer Science and Engineering	October 2021	2231-3850	Not in UGC-CARE
10	IoT-Enabled Energy-efficient Multipath Power Control for Underwater Sensor Networks	Pundru Chandra Shaker Reddy and Yadala Sucharitha	International Journal of Sensors, Wireless Communications and Control	Sep-21	2210-3287	SCOPUS
11	Transcript Summarization of YouTube Videos	S. Tharun, R. Kranthi Kumar , P. Sai Sravanth, G. Srujan Reddy, B. Akshay	The International journal of analytical and experimental modal analysis	Jun-22	0886-9367	UGC-CARE
12	Providing Security and Reducing the Utilization of Bandwidth in Cloud Environments	Mr. N Sandeep Chaitanya , Dr. S Ramchandram	Grenze International Journal of Engineering and Technology	June 2022	2395-5287	Not in UGC-CARE

13	SMART VOTING SYSTEMS USING FACE RECOGNITION	Mr. N Sandeep Chaitanya , Ch Sri Sumanth	GIS SCIENCE JOURNAL	July 2022	1869-9391	SCOPUS
14	AI POWERED SMART CHATBOT FOR COLLEGE WEBSITE	Mr. N Sandeep Chaitanya , Ch Sri Sumanth	GIS SCIENCE JOURNAL	July 2022	1869-9391	SCOPUS
15	Capsule Networks based Acoustic Emotion Recognition using Mel Cepstral Features	Y. Bhanusree; T. Vishnu Vardhan Reddy; S. Karthik Rao	2021 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES)	Sept. 2021	978-1-6654-3521-5	SCOPUS
16	Analysis of Soft Computing Techniques to Forecast Mechanical Attributes of an Alloy	N. Sandhya, M. Rajasekar & V. Sowmya	Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications	Nov-21	978-981-16-3689-9	
17	A Novel CNN-Based Classification and Prediction of COVID-19 Disease Using Deep Learning	Talluri Sunil Kumar, Sarangam Kodati, Sagar Yeruva & Talluri Susan	Proceedings of Second International Conference on Advances in Computer Engineering and Communication Systems	Feb-22	978-981-16-7388-7	SCOPUS
18	The Improved Effectual Data Processing in Big Data Executing Map Reduce Frame Work	Sudhakar Yadav N; Sagar Yeruva; T Sunil Kumar; Talluri Susan	2021 IEEE Mysore Sub Section International Conference (MysuruCon)	Oct-21	978-1-6654-3888-9	SCOPUS
19	A study on varieties of Computer Intelligent models for early detection of Prostate cancer	Manmath Nath Das; Niranjan Panda; Rasmita Routray	2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON)	Sep-21	978-1-7281-9952-8	SCOPUS

20	Machine Learning	Dr. D. N. Vasundhara, N. V. Sailaja, Mr. V. Surya Narayana Reddy	Machine Learning	Oct-21	978-93-91150-68-6	NA
21	A Modern Approach to Seed Quality Check and it's Traceability in Agliculture	N. Sandeep Chaitanya, Rajitha Bhargavi Movva & Sagar Yeruva	Proceedings of Second International Conference on Advances in Computer Engineering and Communication Systems	Feb-22	978-981-16-7388-7	SCOPUS
22	Segmentation of Brain Tumour in Multi-Contrast Mri Image Using U-et Model	N. Sandeep Chaitanya, Prathyusha Karadi, Surendra Kurapati, Ankathi Rohith & Yenreddy Vamshi Krishna	Proceedings of Second International Conference on Advances in Computer Engineering and Communication Systems	Feb-22	978-981-16-7388-7	SCOPUS
23	A Deep Learning Approach to Predict COVID-19 Through Cough Analysis Using CNN-BiDirectional LSTM	Bhanusree. Y; Sree Deeksha. B; Sohan. V; Ajay. D; Eshwar Sai Ram M	2022 International Conference for Advancement in Technology (ICONAT)	Jan-22	978-1-6654-2577-3	SCOPUS
24	Capsule Network Based Speech Emotion Recognition for Efficient Capturing of Spatial Features	Yalamanchili Bhanusree, Ummenthala Srimanth Reddy, Gunuganti Jeshmitha, Dontha Bharadwaj & Kalva Sravani	International Conference on Advanced Informatics for Computing Research	Jun-22	978-3-031-09469-9	SCOPUS
25	Event Organization System for Turnout Estimation with User Group Analysis Model	P. Subhash, N. Venkata Sailaja & A. Brahmananda Reddy	Proceedings of Intelligent System Design INDIA 2019	Aug-20	978-981-15-5400-1	SCOPUS
26	SmartRPL: Secure RPL Routing Protocol for Internet of Things using Smart Contracts	P. Subhash, P. Navya Sree & M. Pratyusha	4th International Conference on Smart Computing and Informatics	Jul-21	978-981-16-0877-3	SCOPUS

Details of the publication during the academic year 2020-21

S.No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Indexing
1	An Effective Knowledge Modelling of Distributed Databases using Ontology and Information Retrieval	Kranthi Kumar.R, Dr. B. Padmaja Rani, E.Hemalatha, Dr.Harish Sharma	International Journal of Advanced Trends in Computer Science and Engineering	Sept. 2020	2278-3091	Refereed Journal
2	IDENTIFICATION OF EVENTS AND INFLUENTIAL SPREADERS IN ONLINE SOCIAL NETWORKS	MONDYAGU DIVYA SREE, Mr R. KRANTHI KUMAR	The International journal of analytical and experimental modal analysis	Mar-21	0886-9367	UGC-CARE
3	Prediction of Mechanical Properties of Metal through Machine Learning Approach	Dr.N.Sandhya, Dr.M.Rajasekar, M.Gayathri	International Journal of Advanced Trends in Computer Science and Engineering	Oct-20	2278-3091	Refereed Journal
4	FORECASTING AND PREDICTING STOCK MARKET TRENDS USING FEATURE SELECTION	Sandesh Kancharla, Dr.M.Rajasekar, Dr.N.Sandhya	Journal of Critical Reviews	2020	2394-5125	Refereed Journal
5	Multi-classification for Cardiac Arrhythmia Detection Using Deep Learning Approach	P. Subhash, Pathuri Goutam Sai, Nalla Rohith Reddy, Anurag Pampati & Sai Keerthan Palavarapu	Proceedings of ICACECS 2020	Mar-21	978-981-33-4046-6	SCOPUS
6	Survey on Multimodal Emotion Recognition (MER) Systems	Bhanusree Yalamanchili, Keerthana Dungala, Keerthi Mandapati, Mahitha Pillodi & Sumasree Reddy Vanga	Proceedings of ICACECS 2020	Mar-21	978-981-33-4046-6	SCOPUS
7	A Methodology to Retrieve Information from Ontologies with the Application of D2R Mapping and SPARQL	Mahavadi Meghana, R. Kranthi Kumar, Vadaguri Srikala, N. Sahithi & M. Jyothsna	Proceedings of ICACECS 2020	Mar-21	978-981-33-4046-6	SCOPUS
8	Care-giver alerting for bedridden patients using hand gesture recognition system	E Spandana, M Rajasekar and N Sandhya	<u>First International Conference on Advances in Smart Sensor, Signal Processing and Communication</u>	Mar-21	1742-6596	OTHERS

			<u>Technology (ICASSCT 2021)</u>			
9	Power Trust: Energy Auditing Aware Trust-Based System to Detect Security Attacks in IoT	P. Subhash; Gollapudi Ramesh Chandra; K. Samrat Surya	<u>2021 Sixth International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)</u>	Mar-21	978-1- 6654- 4086-8	SCOPUS