

# K.L.N. College of Engineering, Pottapalayam

(An Autonomous Institution, Affiliated to Anna university, Chennai)

## Department of Computer Science and Engineering

### Faculty Publications

#### Journals 2023- 2024

S. No.	Authors	Title of the paper	Name of the Journal	National/ International	Volume, issue, month & year of publication	ISBN/ ISSN Number
1	Dr.S.Miruna Joe Amali	A Self-Adaptive Trajectory Optimization Algorithm Using Fuzzy Logic for Mobile Edge Computing System Assisted by Unmanned Aerial Vehicle	Drones(MDPI)	International	<a href="https://doi.org/10.3390/drones7040266">https://doi.org/10.3390/drones7040266</a> April 2023	ISSN 2504-446X
2	Mrs.S.Venkata Lakshmi	Symptom Based Prognosis Using Deep Learning	International Journal of Engineering Research & Technology	International	Volume 11, Issue 03,May 2023	ISSN: 2278-0181
3	R. Kirubahari & Dr.S.Miruna Joe Amali	An improved restricted Boltzmann Machine using Bayesian Optimization for Recommender Systems	Evolving Systems(Springer Berlin Heidelberg)	International	<a href="https://doi.org/10.1007/s12530-023-09520-1">https://doi.org/10.1007/s12530-023-09520-1</a> September 2023	ISSN 18686486, 18686478
4	Dr.R.Karthick	Analysis of vital signs using remote photoplethysmography (RPPG)	Journal of Ambient Intelligence and Humanized Computing	International	<a href="https://doi.org/10.1007/s12652-023-04683-w">https://doi.org/10.1007/s12652-023-04683-w</a> September 2023	ISSN 1868-5145
5	Mr.T.Gopu	Flower based plants recognition by circular Directional histogram	Gradiva Review Journal	International	Volume 9,Issue 9, September 2023	ISSN NO:0363-8057

6	Ms.S.Sangamithra	Smart Restraint System	International Journal of Engineering and Technology	International	Volume 10 ,Issue 11, November 2023	eISSN:2395-0056
7	Dr.S.Subashini	Virtual Air Canvas Using Open CV and media pipe	International journal of Innovative Research in Engineering	International	Volume 4 ,Issue 6, November-December 2023	ISSN 2582-8746
8	Dr.R.Karthick	Multi head self-attention gated graph convolutional network based multi-attack intrusion detection in MANET	Computers & Security	International	Volume 136,January 2024	<a href="https://doi.org/10.1016/j.cose.2023.103526">https://doi.org/10.1016/j.cose.2023.103526</a>
9	Mrs.S.Maria Sobana	Embedding Artificial Intelligence for Personal Voice Assistant Using NLP	International Journal of Innovative Research in Engineering	International	Volume 5, Issue 1(January-February 2024)	ISSN No: 2582-8746
10	Dr.R.Karthick	Self-attention based progressive generative adversarial network optimized with momentum search optimization algorithm for classification of brain tumor on MRI image	Biomedical Signal Processing and Control	International	Volume 88,February 2024	<a href="https://doi.org/10.1016/j.bspc.2023.105597">https://doi.org/10.1016/j.bspc.2023.105597</a>
11	Mrs.K.Usharani	Custom Voice Cloner	International Journal of Innovative Research in Engineering	International	Volume 5, Issue 1(January-February 2024)	ISSN No: 2582-8746
12	Mrs.K.Vanithamani	Multimodal Biometric Login System Using Face and Signature	International Journal of Innovative Research in Engineering	International	Volume 5, Issue 1(January-February 2024), PP: 29-31.	ISSN No: 2582-8746

13	Mrs.S. YoheSwari	BLYNK RFID and Retinal Lock Access System	International Journal of Innovative Research in Engineering	International	Volume 5, Issue1 (January-march 2024)	ISSN No: 2582-8746
14	Dr.R.Lakshmi, Mrs.K.Usharani, Mrs.P.Divya Bharathi, Mrs.R.Poornima @ Priyanka	An Automated Subjective E-Evaluation Approach Using Artificial Intelligence	Journal of Emerging Technologies and Innovative Research(JETIR)	International	Volume 11,Issue 3, March 2024	ISSN No: 2349-5162
15	Mrs.P.Divya Bharathi,	Hybrid CNN-LSTM Model for The Classification of Wireless Capsule Endoscopy Images for Bleeding or Normal Diagnosis	International Research Journal of Engineering and Technology(IRJET)	International	Volume 11,Issue 4, April 2024	e- ISSN:2395-0056
16	<b>Dr.S.Subashini,</b> Nithishkumar K K, Prasanna Krishna A S, Nikhilesh Pranav M S, Nandhakumaran H	GOVERNMENT INFOBOT	International journal of creative research thoughts(IJCRT)	International	volume 12,Issue 4 ,April 2024	ISSN 2320-2882
17	<b>Gajalakshmi. N,</b> Mahaganesh. M Muthupandi. S, Nikesh. M	Particle Swarm Optimization for 5g and Beyond	International Journal of Innovative Research in Engineering	International	Volume 5, Issue 2 (March-April 2024), PP: 283-286.	ISSN No: 2582-8746
18	<b>Poornima@Priyanka. R,</b> Karuppuraja.S, Mohan Raj.P Lavanesh.T.M	Enhancing DDOS Detection in IOT systems through Boosting Techniques	International Research Journal of Engineeering and Technology	International	Volume:11,Issue 04, April 2024	2395-0072
19	<b>Dr. R. Lakshmi,</b> Gowtham JJ, Dhanuskumar VS	Classification of Student Academic Performance Using Machine Learning Algorithms	GIS SCIENCE JOURNAL	International	VOLUME 11, ISSUE 4, 2024	ISSN NO : 1869-9391

20	<b>Dr.P.Prem Kumar,</b> Immaculate Jochiya S, Jayaa Dharsini D.R, Amirtha Varshini M.P	Decentralized Disk Space Allocation using Blockchain Technology on Cloud Environment	GIS SCIENCE JOURNAL	International	VOLUME 11, ISSUE 5, 2024	ISSN NO : 1869-9391
21	Mr.Arul Selvan M, Dr.S.Miruna Joe Amali	Rainfall Detection Using Deep Learning Technique	Journal of Science Technology and Research (JSTAR)	International	Volume No.5, Issue No.1 (2024)	e- ISSN:2456- 7701
22	Mrs.D.Thangamari	Vehicle Safety Enhancement By Installation Of Unique Control Attachment In Steering System With Movable Headlights	International Research Journal of Engineering and Technology (IRJET)	International	Volume: 11 Issue: 02, Feb 2024	e-ISSN: 2395-0056
23	Mrs.S.Venkatalakshmi	Deciphering Speech Through Visual Cues: Enhancing Lip Reading With Deep Learning Cnns	GIS SCIENCE JOURNAL	International	VOLUME 11, ISSUE 3, March,2024	ISSN NO : 1869-9391
24	Dr.S.Miruna Joe Amali (Sasirekha)	Hybrid ML-MDKL feature subset selection and classification technique accompanied with rat swarm optimizer to classify the multidimensional breast cancer mammogram image	Optik	International	Volume 297, February 2024, 171574	ISSN: 0030- 4026

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**Conference 2023- 2024**

<b>S. No.</b>	<b>Authors</b>	<b>Title of the paper</b>	<b>Date and Venue/Institution</b>	<b>Name of the conference</b>	<b>National/International</b>	<b>ISBN number</b>
1	U.Balaji, T.S.P.Ksheerabdinath ,S.S.Barath, <b>D.Thangamari,</b> <b>R.Kirubahari</b>	Streamlining Multi-Modal Coal Transport: An Efficient Tracking Solution	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
2	V.Karpagam, Dr.P.Premkumar, G.Rajeswari	Agricultural Crop Prediction And Recommendation Using KNN And Logistic Regression	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
3	<b>D.Thangamari,</b> <b>R.Kirubahari,</b> T.H.Akshaya, S.S.Harini, C.S.Jeyakarhika, K.Haripriya	Automated Smart Park : Advancing Parking Solutions With Intelligent System	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
4	R.S.Nivetha ,K.S.Keerthiga, <b>S.Venkata Lakshmi</b>	Unlocking Industry 4.0 Potential:Exploring UAV Integration With IoT, AI And Automation	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
5	K.Nithilan, <b>S.Venkata Lakshmi</b>	Bridging Technology With Humanity For Sustainable Progress	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
6	<b>K.Usharani,</b> R.Karthick Raja, K.K.Pradheep, K.S.Sundaresh	News Text Summarization Based on Multi Features using RankSVM and NaiveBayes	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8

7	S.Yoheswari, K.Vanitha Mani	Enhancing Cyber Security in Healthcare: A Novel Approach Using Medical Images	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
8	Dr.R.Lakshmi	Exploring Multimodal Sentiment Analysis and Emotion Recognition through Semantic word Relationships	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
9	Dr.R.Lakshmi	Collaborative Learning Performance Enhancement Through Stochastic Gradient Descent Methods	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
10	<b>S.Maria Sobana,</b> K.Senthil Kumar, N.G.Sreenikethan, O.R.P.Vishnudarrshan	Network Security Enhancement using Echo State Networks (ESN) for Attacker Detection	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
11	<b>N.Gajalakshmi,</b> M.Kansha, A.Maadesh, P.Mukil, T.V.Pranav Devesh	SmartAgroTech: Revolutionizing Farming Through AI-Assisted Crop Yield Estimation	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
12	<b>S.Sangamithra,</b> S.Vengatesh, M.S.Sarvesvar, M.VijayAdhithyan	Forest Fire Detection using Deep Learning	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
13	<b>Mrs.P.Divya Bharathi,M.</b> Nasreen, M.Monisha Shree	Hybrid CNN-LSTM Model for Comprehensive Freshness Analysis In Meat	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8
14	R.K.Lakshmi Rossini, S.K.Neela, S.Gayathri, <b>Mrs.V.Karpagam</b>	Fake Health News Detection Using Machine Learning And NLP	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81-971371-9-8

15	KM.Pravin, K.J.Praveen Kumar, S.J.PraveenNarayanan, <b>Dr.S.Subashini</b>	Efficient Secure Cloud With A Hybrid Of Decomposition And Deceptive Cipher Methodologies	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81- 971371-9-8
16	S.Hariraghav, L.P.G.Amethesh, G.K.Gopinath, S.BlessonFrancis, <b>Mr.J.Sulthan Alikhan</b>	Opticode: A Dynamic Learning Environment For Programming Proficiency Using RAG And LLM Models	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81- 971371-9-8
17	D.ArunPrabu, B.BavanKumar, S.Gokulesh, K.HariharaVelan, <b>D.Pravin Kumar</b>	Crop Type and Yield Prediction based on soil analysis	05.04.2024/K.L.N College of Engineering	International Conference on Sustainable Development in Engineering and Technology (ICSDET'24)	International	ISBN:978-81- 971371-9-8
18	<b>Mr. Pravin kumar.D</b> Arun prabu.D , Bavan kumar.B, Gokulesh.s , Harihara Velan.K	Crop type and yield prediction based on soil analysis	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN- 978-81972203-5-7
19	<b>Mr. Arul Selvan.M ,</b> Ajay Prasad.R.G , Arunkumar.R, Dinesh Arvind.P, Gopinath.R	Face gesture recognition in computer education and gaming for physically challenged individuals	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN- 978-81972203-5-7
20	R.Poornima Priyanka	Enhancing cyber security in smart home intrusion systems through Iot integration	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN- 978-81972203-5-7

21	<b>Mrs.D.Thangamari</b> , G.V.Girishmaa, P.Keerthana, M.Mahalakshmi	Software defect prediction and prioritization using machine learning	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
22	<b>D.Thangamari</b> , K.R.Reshmadharshini , P.G.Soundarya S.R.Swedha	Fine food grain classification from uec-food-101 dataset using deep learning	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
23	<b>D.Thangamari</b> , Kavya T K , Kaviya Vanaraj , Nanthitha Sri.S.A , Ezhil Bharathi J.P	Advanced efficiency & connectivity: smart cities enhanced by Iot	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
24	<b>K.Usharani</b> <b>P.Divya Bharathi</b> , J.Monicaa , K.A.Roshni Sri , T.Priyadharshini	Revolutionizing healthcare: advancements in diagnosis and beyond	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
25	<b>Mrs.G. Rajeswari</b> , K.Avanthika, B.Hemapriyadharshini , N.Kaniamudhu	A robust cyber bullying detection system using xg boost algorithm	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7

26	<b>Dr. R. Lakshmi</b> , J.J. Gowtham , V.S. Dhanuskumar R	Classification of student academic performance using machine learning algorithms	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
27	<b>Mrs.R.Poornimapriyanka</b> Ms.P.Aarathi, Ms.P.Apurva And K.Deepadarshni	E-Commerce Customer Churn Prediction Using Deep Learning	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
28	<b>R. Kirubahari</b> , J. Saakira , P. Sneha Prakash Patil	Catboost-driven machine learning algorithm for predicting asthma risk levels	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
29	<b>Maria Sobana S,</b> <b>Sangamithra S,</b> Yashwanth Karthick S , Yashwanth T.Om , Sangaya G , Srinivaas ,	Authentication and verification of social networking accounts using Blockchain technology	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
30	<b>Sangamithra S,</b> <b>Maria Sobana S,</b> Srinivasan P K , Vimal K S , Vishnuprasanna T S	Fraud prediction in vehicle insurance using machine learning algorithms	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7

31	<b>Yoheswari S</b> , Ramanathan K R , Vigneshwaran P S , Rajan T	Effective hacking website prediction for user security	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
32	<b>Vanitha Mani K</b> , Shalini M , Vasundhara K , Vidya B P	Thyroid prediction using gated recurrent unit (gru) neural networks	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
33	<b>Vanitha Mani K</b> , Usharani K, Adhithyaram L , Harish Raj K B , Jivithesh Harshaa R D	Utilizing lstm networks in machine learning for dynamic deduction for fake videos	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
34	<b>Mr.Pravin Kumar D</b> , Sachin Vignesh M , Sai Venkatesh G , Roshan N	Human following trolley	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7
35	<b>Mrs.K. Usharani</b> , B. Sridharsan , R. Vignesh Kumar , K. Sathish Pandi , S. Ravi Bharathi	Career guidance application for students – ai assisted	16.04.2024/ Kamaraj College of Engineering and Technology	KAMARAJ INTERNATIONAL CONFERENCE ON RECENT TRENDS IN SCIENCE, ENGINEERING AND TECHNOLOGY KIRSET'24	International	ISBN-978-81972203-5-7

36	<b>Rajeswari.G,</b> SUNDHAR T S, TAMIZHAMUTHAN G, VISHNUKUMAR K G,	COA-Based stable Clustering Algorithm for VANET	26&27 April 2024, Pandian Saraswathi Yadav Engineering College	International Conference on Emerging Trends in Engineering and Technology(ICETET'24)	International	-
37	Mrs.S.Yogeswari	Automated Revisit Structural Brain Tumor Segmentation Framework Using Machine Learning	26 to 28 April 2024, QIS College of Engineering and Technology	International Conference on Hybrid and Advanced Technologies-2024	International	-
38	<b>Sasikala.M,</b> Govindan G K, Ebin Rijo W, Athithan L	Biomass Estimation Using Machine Learning in Google Earth engine Platform	26&27 April 2024 , Mangayarkarasi College of Engineering	Emerging Trends in Engineering and Technoloy-ETET"24	National	-
39	<b>Dr.Karthick.R,</b> Ragavendra M K, Akash R, Gokulakrishnan K	Enhancing Temperature Forecasting Using DL approach	26&27 April 2024 , Mangayarkarasi College of Engineering	Emerging Trends in Engineering and Technoloy-ETET"24	National	-
40	Mrs.S.Yogeswari	Distorted Face Recontruction using 3D CNN	26&27 April 2024 , Mangayarkarasi College of Engineering	Emerging Trends in Engineering and Technoloy-ETET"24	National	-
41	R.Kirubahari	Secure Online Voting System	16 April 2024,SRM Madurai College for Engineering and Technology	National Conference on Recent Trends in Computer Science and Engineering-NCRTCS 2024	National	-