



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
RESEARCH PUBLICATIONS

The faculty of the CSE department are actively engaged in research in the areas of Machine Learning, Cryptography, IoT, Artificial Intelligence, Image Processing, Software Engineering, Networking, Data Science, Blockchain etc. A total of 315 research articles were published and presented by the faculty in various technical journals and conferences in the past 5 years.

PUBLICATIONS SUMMARY

Sl. No.	Academic year	Books	Book chapters	Journals		Conferences		CSI Convention	Total
		International /National	International	International	National	International	National		
1	2021-2022	-	-	36	-	4	46	-	86



K.S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
LIST OF RESEARCH PUBLICATIONS
ACADEMIC YEAR 2021-22

SCOPUS Publications

Details of research publications

https://drive.google.com/drive/u/5/folders/18_W5sJfWQPQqQwWn_FaJ-BQ_aUT6pJ1S

JOURNAL PUBLICATIONS

Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1.	Dr. Rekha B Venkatapur	A Literature Survey on various Lossless and Lossy Data Compression Techniques.	Journal of Chengdu University of Technology, Vol 26, Issue 9, ISSN-1671-9727, Sept 2021, http://cdjournal.com/ https://app.box.com/s/altcaw1f5r6dczsp9lxnxdzrpzz8423 https://mjl.clarivate.com/search-results?issn=1671-9727&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
2.	Dr. Rekha B Venkatapur	An Adaptive YOLO Object Detection Model for Autonomous Driving System	Journal of Huazhong University of Science and Technology, ISSN-1671-4512, vol 50, Issue 4
3.	Dr. Rekha B Venkatapur	A SURVEY ON ANTI - KEYLOGGER	International Journal of Current Science (IJCS PUB), www.ijcspub.org © 2022 IJCS PUB Volume 12, Issue 2 April 2022 ISSN: 2250-1770, 2 nd Apr 2022
4.	Dr. Rekha B Venkatapur	MORSE CODE SECURITY	International Journal of Current Science (IJCS PUB), www.ijcspub.org © 2022 IJCS PUB Volume 12, Issue 2 April 2022 ISSN: 2250-1770, 2 nd Apr 2022
5.	Dr. Dayananda R B	Survey on Diabetes Prediction Using Different Machine Learning Approaches	International Journal of Creative Research Thoughts An International Open Access, Peer-reviewed, Refereed Journal (IJCRT), Volume :10, Issue:5, May 2022, ISSN-2320-2882
6.	Mr. Harshavardhan J R	Survey Paper on Online Whiteboard –A Web App for online whiteboard sessions	International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Volume :9, Issue:2, February 2022, ISSN-2394-1588
7.	Mr. Harshavardhan J R	Survey on Developing a Secured E-Commerce Application for Purchasing Electric Vehicles	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9, Issue:3, March 2022, ISSN-2349-5162
8.	Dr. Deepa S R	Bird Species Identification –A Survey	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:3, March 2022, ISSN-2349-5162
9.	Dr. Deepa S R	A Survey on Hard Gesture Recognition for Differently Abled People	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:3, March 2022, ISSN-2349-5162
10.	Dr. Vaneeta M	Survey on Food Trace Using BLOCKCHAIN	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:2, March 2022, ISSN-2349-5162
11.	Dr. Vaneeta M	Survey on Industrial Air Quality Management System	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:2, March 2022, ISSN-2349-5162
12.	Dr. Vijayalaxmi Mekali	Detection and Segmentation of Corona Virus Infected Region of Lung in CT	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:4, March 2022, ISSN-2349-5162

		images by using Deep learning approach	
13.	Dr. Vijayalaxmi Mekali	Visualizing and Forecasting Stocks Using Dash	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:4, March 2022, ISSN-2349-5162
14.	Dr. Vijayalaxmi Mekali	Face Mask Detection	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9 Issue:4, March 2022, ISSN-2349-5162
15.	Mr. Roopesh Kumar B N	Survey on Enhancing the performance of Antiphishing Mechanism using Machine Learning	International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Volume :9, Issue:3, March 2022, ISSN (O)-2393-1588, ISSN (P)-2394-1588
16.	Mr. Roopesh Kumar B N	Dataset Shift Quantification for Credit Card Fraud Detection using Machine Learning	International Journal of Current Science An International Open Access, Peer-reviewed, Refereed Journal (IJCS PUB), Volume :12, Issue:2, April 2022, ISSN-2250-1770
17.	Mr. Roopesh Kumar B N	Anti-Poaching Detection System For forests	International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Volume :9, Issue:3, March 2022, ISSN (O)-2393-8021, ISSN (P)-2394-1588
18.	Mr. Kusahl Kumar B N	Design of a New Language seeks Literature Survey	International Journal for Research in applied Science & Engineering Technology (IJRASET), Volume :10, Issue: III, March 2022, ISSN-2321-9653
19.	Mr. Kumar K	Survey on Blockchain-based Anonymous Tip-off system	International Journal of Innovative Science and Research Technology (IJISRT), Volume :7, Issue:4, April 2022, ISSN-2456-2165
20.	Mr. Kumar K	Forest Fire Susceptibility Using Neural Network	International Advanced Research Journal in Science, Engineering and Technology (IARJSET), Volume :9, Issue:2, February 2022, ISSN (O)-2393-8021, ISSN (P)-2394-1588
21.	Mr. Raghavendrchar S	Wearable Safety Device for Children	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume :10, Issue:4, April 2022, ISSN-2321-9653
22.	Mr. Raghavendrchar S	A New IoT Gateway for Smart Agriculture	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9, Issue:4, April 2022, ISSN-2349-5162
23.	Mr. Raghavendrchar S	Human Dermis Cancer Detection	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:10, 2022, ISSN-2349-5162
24.	Mr. Krishna Gudi	Movie Recommendation System using ML	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:4, 2022, ISSN-2349-5162

25.	Mr. Krishna Gudi	LitWit-Learning with Understanding	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:4, 2022, ISSN-2349-5162
26.	Mr. Prashanth H S	Survey on Personal Assistant for Visually Impaired	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:4, 2022, ISSN-2349-5162
27.	Mrs. Beena K	Research on AI-Based System for COVID-19 Prevention	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:3, 2022, ISSN-2349-5162
28.	Mrs. Beena K	E-HIRE	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:4, 2022, ISSN-2349-5162
29.	Mr. Manoj Kumar S	Depression Analysis	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:3, 2022, ISSN-2349-5162
30.	Mr. Manoj Kumar S	Airfare Prediction using Machine Learning	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:4, 2022, ISSN-2349-5162
31.	Mrs. Geetha R	Survey on Art Gallery with E-Cpmmerce	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9, Issue: III, March 2022, ISSN-2349-5162
32.	Mrs. Geetha R	Chrome Extension for Dropdown Code Editor	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9, Issue: III, March 2022, ISSN-2349-5162
33.	Mrs. Pallavi K N	Blockchain Based E Voting System	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :10, Issue:4, 2022, ISSN-2349-5162
34.	Mrs. Rashmi H	Survey on Chronic Kidney Disease Prediction using Machine Learning	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9, Issue:3, 2022, ISSN-2349-5162
35.	Mrs. Rashmi H	Optical Heart Rate Detection Via Webcam	Journal of Emerging Technologies and Innovative Research An International Scholarly Open Access, Peer-reviewed, Refereed Journal (JETIR), Volume :9, Issue:4, 2022, ISSN-2349-5162
36.	Mrs. Pavithra J	Analyzing and Predicting Outcomes of IPL Cricket Data	International Research Journal of Engineering and Technology (IRJET), Volume :09, Issue:03, March 2022, e-ISSN-2395-0056, p-ISSN-2395-0072

INTERNATIONAL CONFERENCE PUBLICATIONS


Sl. No.	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN: SCI/Scopus/UGC Indexed Link, No. of Citations
1.	Dr. Rekha B Venkatapur	OBJECT DETECTION ON PANORAMIC IMAGES USING YOLOv5	8th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE June 04-06, 2022 / Mardin, Turkey, organized by Institute of Economic Development & Social Researches, www.artuklukongresi.org

2.	Dr. Rekha B Venkatapur	A Survey on Object Detection Techniques in Panoramic images and Videos	International Korkut Ata Scientific Researches Conference June 28 th to 30 th Jun 2022, Osmaniye, Turkey, Osmaniye Korkut Ata Univesity
3.	Dr. Rekha B Venkatapur	Quality Assessment System for Air Pollution Control in India through calibration and Machine Learning Algorithm	International Conference on Intelligent Systems & Computation (ICISC – 2022), 6 th – 7 th May 2022, at Poornima Institute of Engineering & Technology, Jaipur,
4.	Dr. Dayananda R B	A Review on Security and Privacy Preserving Mechanisms of Electronic Health Records in Cloud	2021 Asian Conference on Innovation in Technology (ASIANCON), PUNE, 27-29 Aug 2021, pp. 1-4, doi: 10.1109/ASIANCON51346.2021.9544547. IEEE Conference https://ieeexplore.ieee.org/document/9544547
5.	Dr. Dayananda R B	Computer Aided Corn Leaf Disease Identification System	Paper ID : ICOSEC039 , 2 nd International Conference on Smart Electronics and Communication (ICOSEC 2021), 7 th -9 th Oct 2021, ICOSEC 2020 Publication @ IEEE
NATIONAL CONFERENCE PUBLICATIONS			
1.	Dr. Rekha B Venkatapur	Morse Code Security	National Conference on Research Innovations in Engineering 2022 (NCRIE- 2022), Dept of CSE, KSIT, ISBN: 978-81-929425-1-3, 41-46 23 rd – 24 th Jun 2022.
2.	Dr. Dayananda R B	Critical Survey for Scheduling and Resource Allocation methods in Hadoop-MapReduce on Clouds	National Conference on Engineering Innovations in Emerging Technologies (NCEIET – 2021), 19 th – 20 th Jul 2021
3.	Dr. Rekha B Venkatapur	A Survey on Anti Keylogger	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
4.	Dr. Rekha B Venkatapur	Vehicle type recognition from surveillance data based on deep active learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
5.	Mr. Harshavardhan J R	Survey on Developing a Secured E-Commerce Application for purchasing Electric Vehicles	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
6.	Mr. Harshavardhan J R	Online Whiteboard	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
7.	Dr. Deepa S R	Bird Species Identification	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
8.	Dr. Deepa S R	Hand Gesture Recognition for Differently Abled People	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
9.	Dr. Vaneeta M	Block chain Based Food Tracing System	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
10	Dr. Vaneeta M	Immutable Industrial Air Quality Management System	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
11	Dr. Vaneeta M	Driver Drowsiness Monitoring System using Visual Behavior and Machine Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
12	Dr. Vijayalaxmi Mekali	Visualizing And Forecasting stocks	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore

		Using DASH	
13	Dr. Vijayalaxmi Mekali	Detection and Segmentation of Corona Virus Infected Region of Lung in CT images by using Deep Learning approach	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
14	Mr. Sanjoy Das	People Following Trolley	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
15	Mr. Roopesh Kumar B N	Protection of Forest Trees Against poaching Based on IoT	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
16	Mr. Roopesh Kumar B N	A Survey on Credit Card Fraud Detection	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
17	Mr. Roopesh Kumar B N	Enhancing the Performance of Antiphishing Mechanism Using Machine Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
18	Mr. Kushal Kumar B N	A Botnet Attach Detection Model using Machine Learning Techniques	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
19	Mr. Kushal Kumar B N	Diabetes Prediction Using Different Machine Learning Approaches	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
20	Mr. Kushal Kumar B N	ComPy : Scientific Computing Gets Better	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
21	Mr. Kumar K	Rice Leaf Disease Detection Using Deep Learning Techniques	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
22	Mr. Kumar K	Forest Fire Susceptibility using Neural Network	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
23	Mr. Raghavendrachar S	Human Dermis Cancer Detection	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
24	Mr. Raghavendrachar S	Wearable Safety Device for Children	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
25	Mr. Raghavendrachar S	A New IoT Gateway for Smart Agriculture	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
26	Mr. Krishna Gudi	Movie Recommendation System Using Machine Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
27	Mr. Krishna Gudi	LitWit – Learning with Understanding	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
28	Mr. Krishna M Gudi	Suspect Identification Alert System	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
29	Mr. Prashanth H S	Personal Assistant for Visually Impaired	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
30	Mr. Prashanth H S	Autonomous Car	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
31	Mrs. Beena K	IoT Based System for Covid – 19 Prevention	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
32	Mrs. Beena K	Dilemma over IP over Avian Carrier with	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore

		Quality of Service	
33	Mrs. Beena K	E- Hire	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
34	Mr. Manoj Kumar	Depression Analysis Using Machine Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
35	Mr. Manoj Kumar	Air Fare Prediction Using Machine Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
36	Mrs. Geetha R	Art Gallery With E-commerce Using Web Development	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
37	Mrs. Geetha R	Chrome Extension for Dropdown Code Editor	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
38	Mrs. Pallavi K N	Blockchain Based E-Voting System	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
39	Mrs. Pallavi K N	Diwali Sales prediction using machine learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
40	Mrs. Rashmi H	Chronic Kidney Disease Prediction Using Machine Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
41	Mrs. Rashmi H	Optical Heart Rate Detection via Webcam	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
42	Mrs. Pavithra J	Face Mask Detection	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
43	Mrs. Pavithra J	Analyzing and Prediction Outcomes of IPL Cricket	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
44	Mr. Somasekhar T	An Innovative approach for air pollution control In India using Convolutional Neural Network	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
45	Mr. Somasekhar T	Mental Disease Prediction in brain Images Using Deep Learning	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore
46	Mr. Somsekhar T	A Dictionary-based methodological approach for early prediction of Diabetes using Machine Learning Models	NCRIE – 2022, 24 th – 25 th Jun 2022, ISBN : 978-81-929425-1-3, KSIT, Bangalore


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