

Department of computer science and Engineering: VRSEC

Publications in International Journals: 2020 – 2021

Journals SCI

Total: 16

S. No	Name of the authors	Title of the paper	Journal Name	Vol., pp., Month and Year ISSN	DOI
1.	Dr. K. Srinivas	Multimodal Based Hybrid Prediction Algorithm (MMHPA) for Stock Market Prices Prediction Framework (SMPPF)	Arabian Journal for Science and Engineering	1319-8025	https://doi.org/10.1016/j.jksuci.2021.07.001
2.	Dr. S. Vasavi	Invariant Feature based Darknet Architecture for Moving Object Classification	IEEE Sensors in Machine Vision of Automated Systems	21(10) May 2021	https://doi.org/10.1109/JSEN.2020.3007883
3.	Dr. K. Suvarna Vani	High utility itemset mining using path encoding and constrained subset generation	Peer-to-Peer Networking and Applications	volume 14, pages 2410–2418 (2021)	https://doi.org/10.1007/s12083-020-00980-9
4.	Dr. Ch. Rupa	An improved security and privacy management system for data in multi-cloud environments using a hybrid approach	Evolutionary Intelligence	Vol. 14 Issue 2, Pages 1117-1133	https://www.springerprofessional.de/en/an-improved-security-and-privacy-management-system-for-data-in-m/18853906
5.	Dr. Ch. Rupa	TBSMR: A Trust-Based Secure Multipath Routing Protocol for Enhancing the QoS of the Mobile Ad	Security and Communication Networks	Vol. 2021	https://doi.org/10.1155/2021/5521713

		Hoc Network			
6.	Dr. Ch. Rupa	Security and privacy of UAV data using blockchain technology	Journal of Information Security and Applications	Vol. 55	https://doi.org/10.1155/2021/5521713
7.	Dr. M. Sobhana	Anomaly-based network intrusion detection with ensemble classifiers and meta-heuristic scale (ECMHS) in traffic flow streams	Journal of Ambient Intelligence and Humanized Computing	Pages 1-28 ON HOLD	https://doi.org/10.1007/s12652-020-02628-1
8.	P. Rizwan	Kinematic Adaptive Frequency Sampling Combined Spatio Temporal Features for Snow Monitoring in Aerospace Applications	Expert Systems with Applications		https://doi.org/10.1016/j.eswa.2021.115472
9.	P. Rizwan	Multivariate regressive deep stochastic artificial learning for energy and cost efficient 6G communication	Sustainable Computing: Informatics and Systems	Volume30 Pages 100522	https://doi.org/10.1016/j.suscom.2021.100522
10.	P. Rizwan	DAWM: Cost-Aware Asset Claim Analysis Approach on Big Data Analytic Computation Model for Cloud Data Centre	Security and Communication Networks	Volume 2021	https://doi.org/10.1155/2021/6688162
11.	P. Rizwan	Mutual Informative MapReduce and Minimum Quadrangle Classification for Brain Tumor Big Data	IEEE Transactions on Engineering Management	Early Access 1558-0040	https://doi.org/10.1109/TEM.2021.3073018
12.	P. Rizwan	Machine learning-based left ventricular hypertrophy detection using multi-lead ECG signal	Neural Computing and Applications	Volume 33 Issue 9 Pages 4445-4455	https://link.springer.com/article/10.1007/s00521-020-05238-2

13.	P. Rizwan	Computational Intelligent Sensor-rank Consolidation Approach for Industrial Internet of Things (IoT)	IEEE Internet of Things Journal	2327-4662	https://doi.org/10.1109/JIOT.2021.3073600
14.	P. Rizwan	Ensemble Classification and IoT Based Pattern Recognition for Crop Disease Monitoring System	IEEE Internet of Things Journal	Volume: 8, Issue: 16, Aug.15, 15 20212327-4662	https://doi.org/10.1109/JIOT.2021.3072908
15.	U. Prabu	Cuddle death algorithm using ABC for detecting unhealthy nodes in wireless sensor networks	Evolutionary Intelligence	pp. 1-13, Feb. 2021 18645909	https://doi.org/10.1007/s12065-021-00570-5
16.	U. Prabu	Flower Pollination Algorithm with Powell's method for the minimum energy broadcast problem in wireless sensor network	Wireless Personal Communications	Vol. 119, pp. 1111–1135, Feb. 2021	https://doi.org/10.1007/s11277-021-08253-1

Journals Scopus**Total: 20**

S. No	Name of the authors	Title of the paper	Journal Name	Vol., pp., Month and Year ISSN	DOI
1.	Dr. K. Srinivas	Canny-Back Propagation Model for Thyroid Prediction	Journal Of Critical Reviews	Vol 7, Issue 15, 2020 ISSN- 2394-5125	--
2.	Dr. K. Srinivas	Novel Greedy Heuristic Optimized Multi-instance Quantitative for the Prediction of Stock Price	Solid State Technology	Volume: 63 Issue: 5	--
3.	Dr. S. Vasavi	Predictive analytics as a service for vehicle health monitoring using edge computing and AK-NN algorithm	Materials Today: Proceedings2021	Volume 46, Part 17, 2021, Pages 8645-8654 April 2021	https://doi.org/10.1016/j.matpr.2021.03.658
4.	Dr. S. Vasavi	Predictive analytics of bridge safety for intelligent transportation system using ensemble model	Materials Today: Proceedings2021	Volume 46, Part 17, 2021 pp. 5608–5616 June 2021	https://doi.org/10.1016/j.matpr.2021.02.348
5.	Dr. S. Vasavi	Real time Weather Forecast model using Machine learning Algorithms	Online Journal of Qualitative Inquiry (TOJQI)	Vol 12, Issue 6, June 2021: 1936-1943	https://www.tojq.net/index.php/journal/article/view/1817/1077

6.	Dr. S. Vasavi	Channel Attribution Using Markov Chain model	Online Journal of Qualitative Inquiry (TOJQI)	Vol 12, Issue 6, July 2021: 2544–2551	https://tojqi.net/index.php/journal/article/view/4137
7.	Dr. K. Suvarna Vani	High Utility Itemset Mining using Path Encoded Utility Lists and Pattern Trees	Linguistica Antverpiensia	Volume 2021: Issue 2	DOI:10.1007/s12083-020-00980-9
8.	Dr. K. Suvarna Vani	Mining of High Utility Item sets using Genetic Algorithm	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	Vol. 12 No. 9 (2021)	DOI: https://doi.org/10.17762/turcomat.v12i9.3724
9.	K. S. Vijaya Lakshmi, Dr. K. Suvarna Vani	Automatic tool generation for diagnosing blood anemia	Journal of cardiovascular disease research	Vol. 12 Issue 4, 0975-3583	doi: 10.31838/jcdr.2021.12.04.17
10.	Dr. K. Suvarna Vani	Detection Of Significant Patterns in Cervical and Breast Cancer Proteins	Annals of R.S.C. B	Vol. 25 Issue 4, PP: 19350-19357 1583-6258	https://www.annalsofrscb.ro/index.php/journal/article/view/8590
11.	B. Jayanag	Classification of hotel reviews using sentiment analysis	Turkish online journal of qualitative inquiry	Vol-12, Issue 3; pp-1108-1122	--

12.	B. Jayanag	Framework for human activity recognition	Turkish online journal of qualitative inquiry	Vol-12, Issue 3; pp-1098-1107	--
13.	Dr. K. Praveen Kumar	Extraction of 2D patterns from protein spices clustering	Annals of R.S.C. B	Vol. 25 Issue 4, PP: 18082-18093 1583-6258	--
14.	Dr. K. Praveen Kumar	Blockchain Techniques for Secure Storage of Data in Cloud Environment	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	Volume 12 Issue 11 Pages 1515-1522	https://doi.org/10.17762/turcomat.v12i11.6074
15.	S. Rajesh	Lung CT image recognition using deep learning techniques to detect lung cancer	International journal of emerging trends in engineering research	Vol. 8 Issue 7, pp-3575-3579 2347-3983	https://doi.org/10.30534/ijeter/2020/113872020
16.	JVD Prasad, A. Raghu Veera Pratap, S. Babu	A feature selection strategy to predict type 2 diabetes on early stage using machine learning models	Advance in mechanics	Vol. 9 Issue 2, pp-188-194	--
17.	J. Ranga Rao	Mammogram classification with forest optimization using machine learning algorithms	International Journal of current research and reviews	Vol. 13 Issue 9, pp-136-141 2231-2196	http://dx.doi.org/10.31782/IJCRR.2021.13904
18.	M. Srilatha	Machine learning techniques on bigdata analytics using spark-R for sustainable IT sector	Journal of green engineering	Vol. 10 Issue 9, pp 7133-7140 1904-4720	10_9, 7133–7140.

19.	Ch. Anuradha	Adaptive alternative path and rate-based congestion control for 6lowpan, wsn towards internet of things	Indian Journal of Computer Science and Engineering	Vol. 11 Issue 5, pp. 446–453 2231-3850	https://dx.doi.org/10.21817/indjcse/2020/v11i5/201105085
20.	Ch. Anuradha	Adaptive Congestion Window Algorithm for the Internet of Things Enabled Networks	International Journal of Advanced Computer Science and Applications	Vol. 12 Issue 2, pp. 105–111 2156-5570	http://dx.doi.org/10.14569/IJACSA.2021.0120214

Journals Others**Total: 9**

S. No	Name of the authors	Title of the paper	Journal Name	Vol., pp., Month and Year ISSN	DOI
1.	Dr. S. Vasavi	A Model for Boat Accident Prediction Using Geographical and Topological Data.	SN Computer Science	Vol.2, Issue 3, March 2021	https://doi.org/10.1007/s42979-021-00517-8
2.	U.Prabhu	Experimental Analysis of Ant System on Travelling Salesman Problem Dataset TSPLIB	EAI Endorsed Transactions on Pervasive Health and Technology	Vol. 5, pp. 1-16, Iss. 19, Aug 2019	http://dx.doi.org/10.4108/eai.13-7-2018.163092
3.	Dr. S. Vasavi, Md.meera durga mastan	Web Based Geo Processing Workbench	International Journal of Grid and Distributed Computing	Vol. 13, No. 1, (2020), pp. 2771–2777, ISSN: 2005-4262, august 1 st 2020	http://serisc.org/journals/index.php/IJGDC/article/view/30792
4.	Dr. S. Vasavi	Geospatial Based Thunderstorm Alert System	International Journal of Grid and Distributed Computing	Vol. 13, No. 1, (2020), pp. 2764–2771, ISSN: 2005-4262, august 1 st 2020	http://serisc.org/journals/index.php/IJGDC/article/view/30791
5.	S.Rajeswari	Model building for internet of thing-based system for monitoring health care	International journal of life science and pharma research	Vol. 10 Issue 5, pp-L-145-L149 2250-0480	http://dx.doi.org/10.22376/ijpbs/ijlpr.2020.10.5.L145-149
6.	P.Rizwan	Internet of things-based fog and cloud computing technology for smart traffic monitoring	Internet of Things	Volume 14 Pages 100175	https://doi.org/10.1016/j.iot.2020.100175

7.	Dr. S. Vasavi	A Model for Automatic Threshold Fixation for Boat Accidents Prediction.	SN Computer Science	Vol.2, Issue 3, March 2021	https://doi.org/10.1007/s42979-021-00549-0
8.	Dr. S. Vasavi	Age Detection in a Surveillance Video Using Deep Learning Technique.	SN Computer Science	Vol.2, Issue 3, April 2021	https://doi.org/10.1007/s42979-021-00620-w
9.	K. S. Vijaya Lakshmi	Printing queue Android mobile Application	International research journal of engineering and technology	Vol. 7 Issue 8, pp-4888-4892 2395-0072	https://www.irjet.net/archives/V7/i8/IRJET-V7I8839.pdf

Publications in International Conferences: 2020 – 2021

Total: 37

S. No	Name of Authors	Title of the paper	Title of the event	Organizer Details, Venue, Date, etc	DOI
1.	Dr. S. Vasavi	Predictive analytics of bridge safety for intelligent transportation system using ensemble model	Materials Today: Proceedings2021	45, pp. 5608–561	https://doi.org/10.1016/j.matpr.2021.02.348
2.	Dr. S. Vasavi	Ocean Internal Wave Detection from SAR Images using Particle Swarm Optimization,	Third International Conference on Advances in Electronics, Computers and Communications (ICAECC-2020)”	11th & 12th December 2020, REVA University, Bengaluru, India.	https://doi.org/10.1109/ICAEC C50550.2020.9339511
3.	Dr. S. Vasavi	Ocean Wave Modelling from Satellite images using Data Assimilation, Techniques	ICDSA 2021 (International Conference on Data Science and Applications):	School Of Mobile Computing and Communication, Jadavpur University, Kolkata, India And Soft Computing Research	https://doi.org/10.1007/978-981-16-5120-5

				Society April 10-11, 2021	
4.	Dr. S. Vasavi	Pest and Disease Detection from Plant Leaves using Enhanced AlexNet Model	IEEE CONECCT July 2021	IEEE Bangalore Section	
5.	Dr. S. Vasavi	Change Detection of Urban GIS Maps with High Resolution Satellite Data Using Deep Learning Techniques	5th International Conference on Trends in Electronics and Informatics (ICOEI), 2021	SCAD College of Engineering and Technology on 3-5, June 2021 at Tirunelveli, India.	10.1109/ICOEI51242.2021.9452927
6.	Dr. S. Vasavi	Weed Detection in Broad Leaves using Invariant U-Net Model	International Conference on Communication, Control and Information Sciences (ICCISc), June 2021	Govt. Engineering College (GEC) Idukki and technically co-sponsored by IEEE Kerala Section and IEEE Industry Applications Society (IAS)	https://doi.org/10.1109/ICCISc52257.2021.9485001
7.	Dr. K. Suvarna Vani	Road deformation detection	IEEE 7 th international conference on smart structures and systems ICSSS-2020		10.1109/ICSSS49621.2020.9202131
8.	Dr. K. Suvarna Vani, S. Rajeswari	OCR Assisted translator	IEEE 7 th international conference on smart structures and systems ICSSS-2020		https://doi.org/10.1109/ICSSS49621.2020.9202034

9.	Dr. Ch. Rupa	A Blockchain Based Cloud Integrated IoT Architecture Using a Hybrid Design	International Conference on Collaborative Computing: Networking, Applications and Worksharing	Pages 550-559	https://link.springer.com/chapter/10.1007/978-3-030-67540-0_36
10.	Dr. Ch. Rupa	Proficient Smart Soil based IoT System for Crop Prediction	2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA)	Pages 752-757	https://ieeexplore.ieee.org/document/9183054
11.	Dr. Ch. Rupa	Remotely Controlled Surveillance Vehicle with Live Video Streaming	International Conference on Computational Intelligence and Data Engineering	Pages 323-335	--
12.	Dr. Ch. Rupa	An Intelligent and Smart IoT-Based Food Contamination Monitoring System	International Conference on Computational Intelligence and Data Engineering	Pages 249-258	https://link.springer.com/chapter/10.1007/978-981-15-8767-2_22
13.	Dr. Ch. Rupa	Secure Medical Data Using Symmetric Cipher Based Chaotic Logistic Mapping	International Conference on Advanced Computing and Communication Systems (ICACCS)	Volume 1 Pages 476-481	https://ieeexplore.ieee.org/document/9441836/
14.	Dr. Ch. Rupa	Revelation of Geospatial Information using Augmented Reality	2021 Sixth International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)	Pages 303-308	https://ieeexplore.ieee.org/document/9419459
15.	Dr. Ch. Rupa	Pentatope Based Elliptic Curve Encryption for Privacy and Protection of Multimedia Data	Advances in Automation, Signal Processing, Instrumentation, and Control: Select Proceedings of i-CASIC 2020	Pages 551-560	https://link.springer.com/chapter/10.1007/978-981-15-8221-9_48

16.	P. Sai Kiran Reddy, Y. Risheet, M. Naga Sivaram, Md. Roshan Tanveer, G. Chandra Sekhar, G. Krishna Kishore,	Medical services Chatbot for Basic Medication	ICICCT 2021 Lecture Notes in Networks and Systems, Springer		---
17.	Naveen Vakada, Yaswanth Mareedu, Neeharika Sai Mandava, Sravya Kaveti and Krishna Kishore G	PERFORMANCE BASED ADAPTIVE LEARNING RATE SCHEDULER ALGORITHM	Global Conference on Artificial Intelligence and Applications, Springer		http://dx.doi.org/10.1007/978-981-33-4604-8_34
18.	Ravi Kishan Surapaneni, Sailaja Nimmagadda, and K. Pragathi	Unsupervised Classification Approach for Anomaly Detection in Big Data Streams	ICNGIoT 2021		https://doi.org/10.1007/978-981-16-0666-3
19.	Dr. G. Anuradha	A survey on obstacle avoidance and traffic light detection approaches for autonomous vehicle	2021 International conference on intelligence technology (CONIT)		https://doi.org/10.1109/CONIT51480.2021.9498454
20.	Dr. G. Anuradha	Detection of wood plants using Image processing and deep learning	2 nd International conference on image processing and capsule networks (ICIPCN-2021)		--

		techniques			
21.	Dr. P. Ramesh Kumar	Colorimetric Analysis to Predict Ph Value of the Water on Mpads (Microfluidic Paper Based Analytical Devices) Testzone Area	2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bioengineering (ISMAC-CVB 2020)	November 24, 2020	http://dx.doi.org/10.2139/ssrn.3736534
22.	Dr. P. Ramesh Kumar	IoT based State of the Art Dam Management System in Indian Scenario	2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	Pages 362-366	10.1109/I-SMAC49090.2020.9243503
23.	Dr. G. Kranthi Kumar	Social distance monitoring using deep learning	6 th International Conference on Microelectronics, computing communication system		
24.	Dr. M. Sobhana, Mukesh Chinta, Deepa Venna	Deep Residual Convolutional Neural Network Based Detection of Covid-19 from Chest-X-Ray Images	International Conference on Digital Technologies and Applications	Pages 939-946	https://doi.org/10.1007/978-3-030-73882-2_85
25.	K. L. Sailaja	Autonomous obstacle avoidance robot using regression	International conference on computational intelligence and data engineering		10.1007/978-981-15-8767-2_1
26.	JVD Prasad	Land cover change using deep learning techniques	IISTEM International conference		
27.	Ch. Mukesh	Real time soil nutrient detection and analysis	International conference on advance computing and innovative technologies in engineering (IEEE)		https://doi.org/10.1109/ICACITE51222.2021.9404549

28.	N. Sunny	Driver distraction and drowsiness detection system	2021 International conference on intelligence technology (CONIT)		https://doi.org/10.1109/CONIT51480.2021.9498348
29.	M. Srilatha	Tracking machine objects in a video using YOLO 3 in cloudlet network	Smart technology in data science and communication (springer)		DOI: 10.1007/978-981-16-1773-7_30
30.	Ch.Raga madhuri, mukesh chinta, VVNV phani kumar	Stock market prediction for time series forecasting using prophet upon ARIMA	IEEE Sponsored 7th International Conference on Smart Structures and Systems ICSSS 20		https://doi.org/10.1109/ICSSS49621.2020.9202042
31.	Ch. Raga madhuri,	Dengue alert system- A life saviour	IEEE Sponsored 7th International Conference on Smart Structures and Systems ICSSS 20		https://doi.org/10.1109/ICSSS49621.2020.9202019
32.	P. Rizwan	Machine learning inspired phishing detection (pd) for efficient classification and secure storage distribution (SSD) for cloud-IoT application	2020 IEEE Symposium Series on Computational Intelligence (SSCI)	Pages 202-210	https://doi.org/10.1109/SSCI47803.2020.9308183
33.	P. Rizwan	Segmentation of Nuclei in Histopathology images using Fully Convolutional Deep Neural Architecture	2020 International Conference on Computing and Information Technology (ICCIT-1441)		https://doi.org/10.1109/ICCIT-144147971.2020.9213817
34.	P. Rizwan	Big Data and IoT: Trends, Issues and Applications	Recent Advances in Computer Science and Communications	Bentham Science Publishers	https://doi.org/10.1109/ICCIT-144147971.2020.9213817
35.	U. Prabhu	A Verification of Pattern-Oriented Healthcare System Using CPN Tool	Sustainable Communication Networks and Application	Pages 397-413 Publisher Springer,	https://doi.org/10.1007/978-981-15-8677-4_33

				Singapore	
36.	U. Prabhu	A Distributed Spanning Tree-Based Scalable Fault-Tolerant Algorithm for Load Balancing in Web Server Farms	Second International Conference on Smart Energy and Communication	Pages 713-718	https://doi.org/10.1007/978-981-15-6707-0_69
37.	U. Prabhu	A Leaky ReLU based Effective Brain MRI Segmentation using U-NET	5th International Conference on Trends in Electronics and Informatics (ICOEI)	Pages 1251-1256	https://doi.org/10.1109/ICOEI51242.2021.9453079

Book/Chapters: 2020-21

Total: 10

S. No	Name of the faculty	Title of the paper (If Chapter)	Title of the Book	Title of the event with organizer details (If Paper) Publisher	DOI
1.	Dr. K. Srinivas	A Survey on Stock Market Prediction Using Machine Learning Techniques	. Lecture Notes in Electrical Engineering 601	P. Kumar et al. (eds.), ICDSMLA 2019, Springer Nature Singapore Pte Ltd	https://doi.org/10.1007/978-981-15-1420-3
2.	Ravi Kishan	Unsupervised Classification Approach for Anomaly Detection in Big Data Streams	Lecture Notes in Networks and Systems Volume 201	Proceedings of ICNGIoT 2021 springer	https://doi.org/10.1007/978-981-16-0666-3
3.	K. L. Sailaja	Face expression-based result prediction in talent shows using deep learning	Applications of Artificial intelligence in engineering, algorithms for intelligent systems	springer	https://doi.org/10.1007/978-981-33-4604-8
4.	M. Vani Pujitha	Enhancement Of Performance Parameters in Wireless Mobile Adhoc Networks Using Dsr and Cache Modified Dsr Routing Protocols	Smart and Intelligent Systems	springer	https://doi.org/10.1007/978-981-16-2109-3
5.	P. Rizwan	Image analysis and data processing for COVID-19	Data Science for COVID-19	Academic Press	https://doi.org/10.1016/B978-0-12-824536-1.00035-6
6.	P. Rizwan	Improved Deep Learning Techniques for Better Cancer Diagnosis	Deep Learning for Cancer Diagnosis	Springer, Singapore	https://doi.org/10.1007/978-981-15-6321-8

7.	P. Rizwan	Effective Use of Deep Learning and Image Processing for Cancer Diagnosis	Deep Learning for Cancer Diagnosis	Springer, Singapore	https://doi.org/10.1007/978-981-15-6321-8
8.	P. Rizwan	Visualizing Bitcoin Using Big Data: Mempool Visualization, Visualization, Peer Visualization, Attack Visual Analysis, High-Resolution Visualization of Bitcoin Systems	Blockchain, Big Data and Machine Learning	CRC Press	http://dx.doi.org/10.1201/9780429352546-7
9.	P. Rizwan	Introduction to Blockchain and Big Data	Blockchain, Big Data and Machine Learning	CRC Press	https://doi.org/10.1201/9780429352546
10.	P. Rizwan	Big Data System based IoT Enabling Technologies: Ubiquitous Wireless Communication, Real-Time Analytics, Machine Learning, Deep Learning, Commodity Sensors	The Internet of Things and Big Data Analytics	Auerbach Publications	https://doi.org/10.1201/9781003036739

BOOK: 2020-21

Total: 01

S. No	Name of the faculty	Title of the Book	Title of the event with organizer details (If Paper)	Publisher	ISBN
1.	Dr. Ch. Rupa	A closer Look at Cyber Security and Cryptanalysis	Aug 2020	Nova Science Publications, USA	978-1536181654