



ATRIA INSTITUTE OF TECHNOLOGY

Department of Information Science & Engineering

Bengaluru-560024



Journal Publication By Faculty 2021-22

Sl.no	Title	Author	Journal name	Year	ISSN	DOI
1	Selecting the Best Machine Learning Methods for Breast Cancer Risk Prediction	Ambika L G Dr. Jayasudha Dr. Anitha TN	Journal of Emerging Technologies and Innovative Research	June 2022	2349-5162	UGC approved
2	A hybrid deep CNN-Cov-19-Res-Net Transfer learning architype for an enhanced Brain tumor Detection and Classification scheme in medical image processing	Dr.Jyoti Metan , Prasad A Y, Anand Kumar K S	Biomedical Signal Processing and Control (sciencedirect)	July 2022	1746-8094	https://doi.org/10.1016/j.bspc.2022.103631 .
3	Hybrid and adaptive cryptographic -based secure authentication approach in IOT based application using hybrid encryption	Kavita s Patil Dr. Indrajit Mandal, Dr. C Rangaswamy	Pervasive and Mobile Computing (.sciencedirect)	June 2022	1574-1192	https://doi.org/10.1016/j.pmcj.2022.101552
4	Prediction Of Accuracy in Emergency Health Records Using Hybrid Machine Learning Model	Gunturi S Raghavendra, Dr.Shanthi Mahesh, Dr. M.V.P. Chandrasekhara Rao	Scopus-Journal of Pharmaceutical Research International	Dec 2021	2231-2919,	10.9734/jpri/2021/v33i58A34107
5	Analytics and Big Data in the Health Domain	Arun Balodi Neha Mangla Archana H H. T. Manjula	Artificial Intelligence in Healthcare. Advanced	Jan 2022	978-981-16-6265-2	10.1007/978-981-16-6265-2_6

			Technologies and Societal Change. Springer, Singapore.			
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Faculty Publication in Conferences						
Sl.no	Title	Author	Conference name	Year	ISSN	DOI
1	Emerging role of AI & IOT on health care Management in Covid 19 pandemic situation	Gunturi S Raghavendra, Dr. Shanthi Mahesh, Dr. M.V.P. Chandrasekhara Rao	ICETCE 2022	2022		
	Access control framework in the cloud based on multi blockchain with light privacy protection	Dr. T. N. Anitha	International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)- 2022 IEEE	13 june 2022	Electronic ISBN:978-1-6654-8316-2	DOI: 10.1109/ICDCECE53908.2022



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Journal Publication By Faculty
2020-21

Sl. no	Title	Author	Journal name	Year	ISSN	DOI
1	Processing Large Scale Unstructured Big Data Using UStream Framework	Gunturi S Raghavendra, Dr. Shanthi Mahesh, Dr. M.V.P. Chandrasekhara Rao	Scopus-Journal of Seybold Report	2020	1533-9211	10.1109/MAHC.2019.2926975
2	An Efficient Mechanism for Brain Activity Recognition using Deep Neural Network	CH Narsimha Reddy, Shanthi Mahesh, K ManjunathAchari	Scopus-International Journal of Advanced Trends in Computer Science and Engineering	2020	2277-3878	10.30534/ijatcse/2020/332952020
3	An Effectual Cr am on DDoS Blitz Tools and Approaches via HADOOP Framework	Manjula H T, Dr. Neha Mangla	Scopus Journal of Seybold Report	2020	1533-9211	10.1109/MAHC.2019.2926975
4	Effective Use Cases for Insurance domain using Block chain technology	Archana Homblimath, Dr. Neha Mangla	Scopus Journal of Seybold Report	2020	1533-9211	10.1109/MAHC.2019.2926975
5	A Review on Digital image processing Techniques using Remote Sensing Data	Vijaylakshmi V, D Mahesh Kumar, Prassana Kumar S C	MuktShabd Journal	2020	2347-3150	UGC care -

6	Secure Online Auctioning with Predictions	Srinivas B.V, Shreyas M, Naresh Raju S	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 05 Issue 07	2020	2582-3930	UGC care Journal
7	Visualizing Generic Graph Spaces	Omprakash B, Yashashav D K, Tejus C, Ravi Kumar S	Strad Research, Volume 8, Issue 7	2020	0039-2049	https://doi.org/10.37896/sr8.7/023 UGC approved journal - Web Of Science Group
8	Ethnicity Detection System	Asma Begum S ,, Prajwal U,, Raghava P V	International Journal Of Scientific Research In Engineering And Management (Ijsrem) Volume 05 Issue 07	2020	2582-3930	UGC care Journal
9	Electronic Health Records using Blockchain and Cloud computing	Sonia S. B, AmruthaD,Bhavana C, Ankitha J.	International Journal of Advance Research, Ideas and Innovations in Technology, (Volume 7, Issue 4	2020	2454-132X	
10	Infant Care Assistant Using Machine Learning, Image Processing And IotSenser Network	Kavitha.S.Patil, Chaithra.S, Meghana.T, Gagan.M.G	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 3, Issue 7,	2020	2582-5208	

11	Match Prediction And 1st Inning Score Prediction	SyedaRoshni Ahmed, Sanjay Kumar Mahto, Ritish, Shivaraj A Nandyal	International Journal Of Scientific Research In Engineering And Management (Ijsrem) Volume 05 Issue 07	2020	2582-3930	UGC care Journal
12	Development Of Multi Secure Access-Smart Suitcase Using Iot	Abhilash G, Chetan S, Deeksha TS, Chaitra R	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 3, Issue 7,	July-2021	2582-5208	
13	Document Scanner Application	Mrs. Asma Begum, R Harish, Syed SaroshShafiq Ahmed	International Journal Of Scientific Research In Engineering And Management (Ijsrem) Volume 05 Issue 07	2020	2582-3930	UGC care Journal
14	Person Spotting and Alerting Robot	Omprakash B, Shivani C, Ramya K, Priyanka M S	Strad Research, Volume 8, Issue 7	2020	0039-2049	https://doi.org/10.37896/sr8.7/025 UGC approved journal - Web Of Science Group



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conference Publication By Faculty
2020-21

Faculty Publication in Conferences						
Sl.no	Title	Author	Conference name	Year	ISSN	DOI
1	Review on Introgen detection approaches in resource constraint IOT environment	Durga, Bhavani A, Dr. Neha Mangla	2nd International conferences on Mobile computing and sustainable informatics(Springer)	2021	978-3-030-49795-8	21100975545
2	Nodule segmentation of lung, CT image for medical applications	Spoorthi Rakesh, Dr. Shanthi Mahesh	1st International Conference on Advances in Information, Computing and Trends in Data Engineering (AICDE - 2020)(Elsevier)	2021	2666-285X	10.1016/j.glt.2021.01.011



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Journal Publication By Faculty
2019-20

Sl. No	Title	Author	JournalName	Year	ISSN	DOI
1	Feasible Framework for Prediction of coverage and Consistency in Prediction of Gene and Protein Interactions with Regulatory Mode	Suhas A Bhyratae and Dr. Neha Mangla	International Journal Of Information And Computing Science	July 2019	0972-134	DOI:16.10089.IJICS.2019.V6I8.18.3323 http://ijics.com/gallery/5-aug-1473.pdf
2	An Energy Efficient Clustering Technique in WSNs	Omprakash B, Dr. Y P Gowramma	International Journal of Recent Technology and Engineering (IJRTE)		2277-3878	10.35940/ijrte.B1203.0982S1119
3	Cardiac Monitoring –A Health Application Based On Sensors	Dr. Shanthi Mahesh	International Journal Of Information And Computing Science		0972-134	16.10089.IJICS.2019.V6I6.18.3211
4	Data Ingestion using a Novel Method: H-Stream Framework	Dr. Shanthi Mahesh	International Journal of Recent Technology and Engineering (IJRTE)		2277-3878	:10.35940/ijrte.E6045.018520
5	Eye Blink to Voice For Paralyzed Patients	Sheba Jebakani, Meghas.m, Santhosh H V, Divya.j	Journal of Information Technology, Volume 6, Issue 3		2454-5414	

6	Detection of Tomato Growth State and Surveillance System using Computer Vision and Internet of Things	Abhilash, Swetha R, SyedaSimranBaseer, FariyaBano	Journal of Engineering Technologies and Innovative Research, Volume 7, Issue 6		2349-5162	UGC approved
7	Smart Cap- Wearable Visual Guidance System for Blind	Veeresh Bhatti, Deepali R Anvekar, Kajallenka, Bindushree S	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Volume 8, Issue 6		2321-2004	Not UGC
8	CNN based Fire-Detection System	OmprakashB, Shashanka M G, Prakash Choudhary, Sachin B	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Volume 8, Issue 6		2321-2004	Not UGC
9	Conservation of Crops and Proper Utilization of Rain Water Using Cellular IoT	Neha Mangla, B Sai Varshitha H ShaziyaKhanam, Chaitra N	Journal of Engineering Sciences, Volume 11, Issue 5		0377-9254	UGC care
10	Zero Labour Wet-Waste Crusher	Manjula H N, Raksha K S, Ruthuparna D, Raksha R	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Volume 8,		2321-2004	Not UGC

			Issue 6			
11	Ensemble -Based Credit Risk Assessment Using Machine Learning	Srinivas B V, Nikita Kapil, PrernaKumari, S Vivek	International Journal of Scientific Research in Engineering & Management, Volume 4- Issue 6		2582-3930	
12	Borewell Water Quality and Motor Monitoring System Using Internet of Things	Vijaylakshmi V, Supriya S Rao, Prathiksha Kamath, Priyanka Sharma	International Journal for Science and advance Research in Technology, Volume 6, Issue 6		2395-1052	
13	Rainfall Prediction using Machine Learning	SyedaRoshni Ahmed, Aathira Das, Arunashree D, Kavya K Naik	Journal of Engineering Sciences, Volume 11, Issue 6		0377-9254	UGC Care
14	Smart Parking System using Image Processing	Shruthi B Sanath Kumar S Raghottam J Kulkarni, Dilip Kumar S,	International Research Journal of Engineering and Technology, Volume 7, Issue 6		2395-0072	
15	Smart Blind Stick	Aemi Kalaria, Anagha Shree V, Archana Agasti, Arjun Agasti	International Journal for Science and Advance Research in Technology, Volume 6, Issue 5		2395-1052	
16	Performance Evaluation of CT Scan Image Denoising and Segmentation Technique for detection of Lung Cancer	Dr. Shanthi Mahesh, Karunya S, KulsumHunny, Karthikeyan A	International Journal of Engineering and Technology, Volume 7, Issue 6		2395-0072	

17	Industrial Automation Using IoT	Kavitha S Patil, Amal a C, harini J	International Journal of Scientific Research in Engineering and Management, Vol 4, issue 5		2582-3930	
18	Comparative Analysis of Transcriptional Regulatory Network Using Machine Learning Approach for Colon Cancer	Suhas A Bhyratae, Tahiya, SwathiM, Pratiksha Pole	International Journal of Scientific Research in Engineering and Management		12397-12045	

Sl. no	Title	Author	Conference name	ISSN	DOI
1	ChicWhale optimization algorithm for the VM migration in cloud computing platform	Srinivas Byatarayanapura, Venkataswamy	Springer-Verlag GmbH Germany, part of Springer Nature 2020	-	10.1007/s12065-020-00386-9
2	Trust Evaluation Model for Cloud Security Using Fuzzy Theory	Thakare, V. R., Singh, K. J., Prabhu, C. S. R., & Priya, M	International Conference on Emerging Trends in Information Technology and Engineering (ic-PETITE) (pp. 1-4). IEEE.	978-1-7281-4143-5	10.1109/ic-ETITE47903.2020.260



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Journal Publication By Faculty
2018-19

Sl.No	Title	Author	JournalName	ISSN	DOI
1	Paddy Leaf Disease Detection Using Image Processing and Machine Learning	Mrs. Neha Mangla, Priyanka B Raj, SouPoojaRmya G Hegde,	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering.	2319-5940,	-
2	Survey on Air Price Prediction Using Machine Learning	Mr. Abhilash, Ranjana Y, Shilpa S, Zubeda A Khan	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering.	2321-5526	-
3	Survey on IoT Enabled Patient Assisting Devices	Mr. Veeresh	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering.	2321-5526	-
4	Early Stage Detection of Cardiac Arrhythmia by Image Recognition Algorithms on TensorFlow	Mrs. Sheba Jekamani, Monisha N, Kavya B R,HazeeraKhatun	International Journal of Engineering Science and Computing	2250-1371	-
5	Medical Expert System using Data Mining and Machine Learning	Mr. Suhas, Sumukha J, Tarun Kumar K, Yatish Kumar K	International Journal of Advanced Research in Computer and Communication Engineering,	2278-1021	-

6	Sentiment Analysis of English text and emotions	Mrs. Amuthabala, Sangeetha K R, Yogitha K r	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering.	2321-5526,	-
7	Android based Autonomous Intelligent Pod for Border Security Using Raspberry Pi	Mrs. Ayesha, Vandana N, Tasmiya Khannum, Deepika B N	International Journal of Advanced Research Science, Engineering and Technology	2350-0328	-
8	Detection of Cancer Using Machine Learning	Mr. Omprakash B, Raksha K R, Sheetal M, Soujanya B, Yogitha K R	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering.	2321-5526	-
9	Survey on Optical Character Recognition (OCR) using Machine Learning Techniques	Mr. Srinivas B, Sunil Biradar, Sathyanarayan, Jyothi S, Suprabhat	International Journal of Advanced Research in Science, Engineering and Technology	2350-0328	-
10	Smart Plant Watering Patrollers	Dr. Shanthi Mahesh, Shivam Pandey, Sriram P T	International Journal of Innovative Research in Electrical, Electronics, Instruments and Control Engineering (IJIREEICE).	2321-5526	-
11	Motion Analysis of Volleyball Sport	Mrs. Kavitha Patil, Pooja B Karnak, Rakshitha M, Zeenath Fathima S N	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering.	2321-5526	-



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Journal Publication By Faculty
2017-18

Sl.No	Title	Author	JournalName	Month& Year	ISSN	DOI
1	Increasing Energy Efficiency of Network in WSNs with clustering strategies	Omprakash B, Dr. Gowramma Y P	International Journal for Reserch in Applied science & Engineering Technology (IJRASET) volume 5 issue XI	Nov 2017	2321-9653	UGC approved
2	inferences of Transcriptional and Translational Regulatory Modules for system Biology : A Review	Suhas A Bhyratae, Dr. Neha Mangla	International Journal for Reserch in Applied science & Engineering Technology (IJRASET) volume 6 issue VII	July 2018	2321-9653	DOI :10.22214/ijraset.2018.7076
3	Pattern Based Technique in Evalution of Data quality on Complex data	P Amuthabala , Dr. M Mohanapriya	Jour of adv reserch in Dynamical & Control System , 15- speacial issue	Oct 2017	1943-023X	
4	Hybrid Wireless Crypto Processor Using FPGA	Kavitha S Patil,Veeresh Basavaraj Hatti,Dr.Indrajit Mandal,	International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.5, Issue 4	December 2017	2320-2882	UGC Care Journal

5	A comprehensive Review : Internet of Things	Neha Mangala, Priya Rathod	IOSR Journal of Computer Engineering (IOSR-JCE) Vol-19 Issue - 4	Aug 2017	2278-0661	UGC approved
6	Unstructured data analysis and processing using Big-data Tool-Hive and Machine Learning Algorithm -Linear Regression	Neha Mangala, Priya Rathod	International Journal of Computer Engineering & Technology (IJCET)vol-9 issue 2	April 2018	0976-6367	10.34218/IJCET

[:http://www.ijcrt.org/papers/IJPUB1704002.pdf](http://www.ijcrt.org/papers/IJPUB1704002.pdf)- Hybrid Wireless Crypto Processor Using FPGA



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Conference Publication By Faculty
2017-18

Faculty Publication in Conferences						
Sl.no	Title	Author	Conference name	Year	ISSN	DOI
1	A Survey on Accelerating Crypto Operation	B V Srinivas; Kavitha S Patil; B Omprakash; Y P Gowramma	International Conference on Current Trends towards Converging Technologies (ICCTCT) (IEEE-2018)	March 2018	ISBN :978-1-5386-3702-9	10.1109/ICC TCT.2018.8551183
2	A Framework for Efficient Virtual Machine Migration	B V Srinivas; B Shruthi; Kavitha S Patil; Indrajit Mandal	International Conference on Current Trends towards Converging Technologies (ICCTCT) (IEEE-2018)	March 2018	ISBN: 978-1-5386-3702-9	10.1109/ICC TCT.2018.8550975
3	Computer aided detection system for lung cancer using computer tomography scans	Shanthi Mahesh, Spoorthi Rakesh, and Vidya C. Patil	AIP Conference Proceedings > Volume 1952, Issue 1	April 2018		https://doi.org/10.1063/1.5032063
4	Feature extraction and comparative analysis of lung cancer nodule using image processing techniques	Radhika u , Pooja J , Shanti Mahesh	National conference on " Emerging Trends in Engineering Technology and Applied Research			

5	A GPS -GSM Predicated Vehicle tracking system, Monitored in a Mobile App Based on Google Map	Neha Mangla; G Sivananda; Aishwarya Kashyap; Vinutha,	International Conference on Energy ,communication ,Data Analyttics and soft computing (ICECDS-2017)-IEEE	Aug 2017	ISBN: 978-1-5386-1887-5	doi: 10.1109/ICECDS.2017.8389989.
6	A comprehensive overview on Varients of CUCKOO serach algorithm and Application	Spoorthi Rakesh , Shanti Mahesh	International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2017)IEEE	15 - 16 Decem ber 2017	ISBN :978-1-5386-2361-9	DOI: 10.1109/ICEECCOT.2017.8284569

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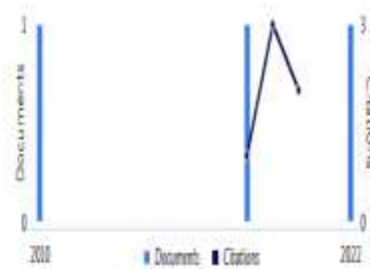
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Book Chapter

A Review on Intrusion Detection Approaches in Resource-Constrained IoT Environment

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Durga Bhavani, A., Mangla, N.

Lecture Notes on Data Engineering and Communications Technologies, 2022, 68, pp. 171-183

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Conference Paper

A GPS-GSM predicated vehicle tracking system, monitored in a mobile app based on Google Maps

5

Citations

Mangla, N., Srivastava, G., Kashyap, A., Vinita,

2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDAS 2017, 2018, pp. 2916-2919

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Conference Paper

Optimization of IP routing with content delivery network

1

Citations

Mangla, N., Khola, R.K.

ICNIT 2018 - 2018 International Conference on Networking and Information Technology, 2018, pp. 424-430, 5508479

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Conference Paper

Computer aided detection system for lung cancer using computer tomography scans

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Mahesh, S., Rakesh, S., Pail, V.C.

AIP Conference Proceedings, 2018, 1952, 020101[Show abstract](#) ▾ [Related documents](#)

Conference Paper

A comprehensive overview on variants of CUCKOO search algorithm and applications

1
Citations

Rakesh, S., Mahesh, S.

International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017

, 2018, 2018-January, pp. 569-573

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Article - Open access

Comparison and evaluation of segmentation techniques for brain mri using Gold Standard

2
Citations

Abhil, M., Ashwarya, R., Lal, V., Mahesh, S.

Indian Journal of Science and Technology, 2016, 9(46), 106495[Show abstract](#) ▾ [Related documents](#)

Conference Paper

An Effective Automated Method for the Detection of Grids in DNA Microarray

1
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Srimant, P.K., Mahesh, S.

Advances in Intelligent Systems and Computing, 2014, 249 VOLUME II, pp. 445-453[Show abstract](#) ▾ [Related documents](#)

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Improvement of traditional k-means algorithm through the regulation of distance metric parameters

3
Citations

Srimant, P.K., Mahesh, S., Bhyrase, S.A.

7th International Conference on Intelligent Systems and Control, ISCO 2013, 2013, pp. 393-398, 6481387[Show abstract](#) ▾ [Related documents](#)

Conference Paper

A novel method for generating HR image using POTDFB and interpolation

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Mahesh, S.

*2011 - International Conference on Signal Processing, Communication, Computing and**Networking Technologies, ICSCCN-2011*

, 2011, pp. 739-740, 6024648

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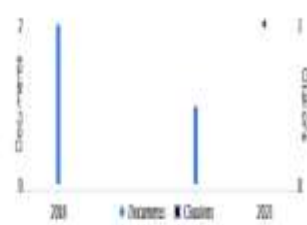
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Article

ChicWhale optimization algorithm for the VM migration in cloud computing platform

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Byazarayapura Venkateswamy, S., Mandal, I., Kishavarao, S.
Evolutionary Intelligence, 2020, 13(4), pp. 725-739

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Conference Paper

A Framework for Efficient Virtual Machine Migration

1
Citations

Srinivas, B.V., Shrinithi, H., Paill, K.S., Mandal, I.

Proceedings of the 2018 International Conference on Current Trends towards Converging Technologies, ICC/CT 2018

, 2018, 8550975

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A Survey on Accelerating Crypto Operation

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Srinivas, B.V., Paill, K.S., Omprakash, B., Gowramma, Y.P.

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2	SrinivasaB yatarayana pura	2018-19	1.A Framework for Efficient Virtual Machine Migration 2. A Survey on Acceleratin g Crypto Operation	1 -	-
3	SrinivasaB yatarayana pura	2018-19	1.A Framework for Efficient Virtual Machine Migration 2. A Survey on Acceleratin g Crypto Operation		
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1	Dr. Shanthi N	2018-19	Computer aided detection system for lung cancer using computer tomography scans	3	
H –Index:2					

Sl.no	Year	Faculty Name		Citation	H-Index
1	Dr. Neha Mangla	2020-21	A Review on Intrusion Detection Approaches in Resource-Constrained IoT Environment	-	
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Sl.no	Year	Faculty Name		Citation	H-Index

1	Kavitha S Patil	2018-19	1.A Framework for Efficient Virtual Machine Migration 2. A Survey on Accelerating Crypto Operation	1	
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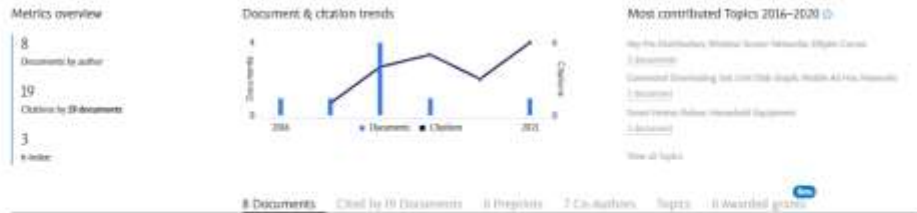
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Patil, K., Metan, J., Kumaran, T.S., Mathapatil, M.

International Conference on Electrical, Electronics, Communication Computer

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