



VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD – 500 031
ACCREDITED BY NAAC WITH 'A++' GRADE
DEPARTMENT OF INFORMATION TECHNOLOGY

Summary of Publications for the Academic Year 2020-21

Journals							
S.No.	Details	SCI	SCOPUS	WOS	UGC	Other	Total
1	International Journals	Nil	5	1	Nil	16	22
2	National Journals	Nil	Nil	Nil	Nil	Nil	0

Conferences & Book Chapters						
S.No.	Details	SCOPUS	WOS	UGC	Other	Total
1	National / International Conferences	Nil	Nil	Nil	1	1
2	Book Chapters	5	Nil	Nil	Nil	5

Books				
S.No.	Details	NATIONAL	INTERNATIONAL	Total
1	Books	Nil	1	1

Patents				
S.No.	Details	NATIONAL	INTERNATIONAL	Total
1	Patents	1	1	2

Faculty I/c.

HOD, IT



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Journal Publications – 2020-21

SCOPUS INDEX					
S. No	Faculty Name	Title of the paper	Journals Name	Cite	INDEX
1	Dr. Ramesh Vasappanavara	Journey in Vehicular Ad-hoc Network: A Survey of Message Dissemination Approaches and their delays	International Journal of Vehicle Information and Communication Systems	Puja Padiya, Amarsinh Vidhate, Dr. Ramesh Vasappanavara "Journey in Vehicular Ad-hoc Network: A Survey of Message Dissemination Approaches and their delays "International Journal of Vehicle Information and Communication Systems.November 29, 2021,pp:217-250.	Scopus
2	Dr. K. Ram Mohan Rao	Secure E-Voting System Implementation Using CryptDB	SN Computer Science	Vemula, S., Kovvur, R.M.R. & Marneni,"D. Secure E-Voting System Implementation Using CryptDB". SN Computer Science (2021) 2:217; https://doi.org/10.1007/s42979-021-00613-9 ;2661-8907	Scopus
3	Dr. Kezia Rani B.	An Effective OS –DPLL Design for Reducing Power Dissipation in an IOT Application	Journal of Ambient Intelligence and Humanized Computing	Menon, P.C., Rani, B.K., Kumar, K. et al. "An effective OS–DPLL design for reducing power dissipation in an IoT application". Journal of Ambient Intelligence and Humanized Computing (2021). PP:1868-5145	Scopus
4	Srinivas Rao G.	Versatile Allocation of Resource Blocks to Control Rate and Power in OFDMA based base Station	ARPJ Journal of Engineering and Applied Sciences	Srinivas Rao G., Md. Imaduddin, Venugopal P. and Ravi Kumar C. V"Versatile Allocation of Resource Blocks to Control Rate and Power in OFDMA based base Station"ARPJ Journal of Engineering and Applied Sciences,VOL. 15, NO. 19, OCTOBER 2020 pp:2135-2140	Scopus
5	Prasanna L	A vector-based watermarking scheme for 3D models using block rearrangements	International Journal of Grid and Utility Computing	Modigari Narendra, Valarmathi ML, Jani Anbarasi L, Prasanna L"A vector-based watermarking scheme for 3D models using block rearrangements"International Journal of Grid and Utility Computing this link is disabled, 2020, 11(6), pp. 737–746	Scopus



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WEB OF SCIENCE					
S. No.	Faculty Name	Title of the paper	Journals Name	Cite	INDEX
1	Dr. V Venkata Krishna	Color and cross diagonal symmetric pair co-occurrence matrix	Indian Journal of Science and Technology	Srinivas B, Venkata Krishna V, Sumalatha L. Color and cross diagonal symmetric pair co-occurrence matrix. Indian Journal of Science and Technology. (2020),13(27): 2755-2773.	Web of science

NON-REFERRED					
S. No	Faculty Name	Title of the paper	Journal Name	Cite	INDEX
1	Mr. K. Srinivasa Chakravarthy	Identification of Plant Species using CNN- Classifier	Journal of Critical Review	M.Jaiganesh , M.SathyaDevi , K.Srinivasa Chakravarthy , Ch.Sarada"Identification of Plant Species using CNN-Classifier"Journal of Critical Review VOL 7, ISSUE 3, 2020 ;PP:2394-5125	Non-referred
2	Dr. S. K.Chaya Devi	Speech Emotion Recognition With Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN) - A Comparative Study	Journal of Critical Reviews	Dr. S. K.Chaya Devi, Devika Boddu, Varsha Reddy Kumbham"Speech Emotion Recognition With Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN) - A Comparative Study "Journal OF Critical Reviews VOL 7, ISSUE 18, 2020 ;PP 2394-5125	Non-referred
3	S. K. Chaya Devi	Image denoising with fast and flexible convolutional neural network	High Technology Letters	S. K. Chaya Devi"Image denoising with fast and flexible convolutional neural network" HighTechnology Letters;VOL 26, ISSUE 7, 2020, PP1006-6748	Non-referred
4	Dr. B.Kezia Rani	Privacy Preserving Association Rule Mining In Federated Cloud Environment Using Spark	Journal Of Critical Reviews	Dr. B.Kezia Rani"Privacy Preserving Association Rule Mining In Federated Cloud Environment Using Spark"Journal Of Critical Reviews , Vol 7, Issue 16, 2020 pp3088-3093;ISBN:2394-5125	Non-referred
5	C.Sireesha	Artificial Vision-An Aide For The Visually Challenged	High Technology Letters	M.Swapna ,C.Sireesha"Artificial Vision-An Aide For The Visually Challenged"High Technology Letters, Volume 26, Issue 8, 2020 ;PP:1006-6748	Non-referred



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S. No	Faculty Name	Title of the paper	Journal Name	Cite	INDEX
6	Dr. V. Venkata Krishna, Mr. R. Dharma Reddy	Predicting Distribution of Fallarmyworm pest in India for Rice crops using climate features with MaxEntropy Modeling.	High Technology Letters	Dr. V. Venkata Krishna, Mr. R. Dharma Reddy "Predicting Distribution of Fallarmyworm pest in India for Rice crops using climate features with MaxEntropy Modeling" High Technology Letters, Volume 26, Issue 10, 2020 , pp 123-132	Non-referred
7	Ms. S. Rajyalaxmi	Key Management Scheme for Public Key Cryptography Using Block chain Network	International Journal of Computer Science & Network	Ms. S. Rajyalaxmi "Key Management Scheme for Public Key Cryptography Using Block chain Network" International Journal of Computer Science and Network, Volume 9, Issue 5, October 2020, PP:225-231	Non-referred
8	Ms. M. Gayatri, Mr. M. Krishna Kishore	Robust Malware Detection Using Deep Eigenspace Learning For Internet of Things Devices	Journal of Engineering Sciences	Ms. M. Gayatri, Mr. M. Krishna Kishore "Robust Malware Detection Using Deep Eigenspace Learning For Internet of Things Devices" Journal of Engineering Sciences, Vol 11, Issue-9 ; PP:46-54	Non-referred
9	Mr. M. Krishna Kishore Ms. M. Gayatri	Specific Authentication based Geographic Opportunistic Routing in WSN for Internet of Things against DoS Attacks	The International Journal of Analytical And Experimental Modal Analysis	Ms. M. Gayatri, Mr. M. Krishna Kishore "Specific Authentication based Geographic Opportunistic Routing in WSN for Internet of Things against DoS Attacks" The International Journal Of Analytical And Experimental Modal Analysis, Volume 12-Issue-10-October-2020, ISSN NO:0886-9367, Page No:285-295	Non-referred
10	Mr. R. Dharma Reddy Dr Venkata Krishna Vakula	Efficient Diagnosis of Diseases in Rice Crop Using Transfer Learning Techniques with Deep Learning Models on Limited Labelled Data	High Technology Letters	Mr. R. Dharma Reddy, Dr Venkata Krishna Vakula "Efficient Diagnosis of Diseases in Rice Crop Using Transfer Learning Techniques with Deep Learning Models on Limited Labelled Data" High Technology Letters, Volume 26, Issue 10, 2020, pp:176-186.	Non-referred
11	Mrs. S. Aruna,	Deep Learning-Based Emotion-Sensitive learning cognitive state analysis	International Journal of Emerging Trends in Engineering Research	Mrs. S. Aruna, Dr. Swarna Kuchibhotla "Deep Learning-Based Emotion-Sensitive learning cognitive state analysis" International Journal of Emerging Trends in Engineering Research (IJETER), Vol. 8, No. 9, September, 2020 pp:6170-6176	Non-referred
12	Mrs. S.K. Chaya Devi	A Survey on Databases and Algorithms used for Speech Emotion Recognition	International Journal of Advanced Trends in Computer Science and Engineering	Mrs. S.K. Chaya Devi Varsha Reddy Kumbham Devika B "International Journal of Advanced Trends in Computer Science and Engineering" Volume 9, No.5, September, ISBN:2278-3091	Non-referred



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S. No	Faculty Name	Title of the paper	Journal Name	Cite	INDEX
13	D R L Prasanna, L Divya	Facial Mask Detection using Convolutional Neural Networks	High Technology Letters	D R L Prasanna , L Divya , Lahari Pokala , Anusha Vunnam"Facial Mask Detection using Convolutional Neural Networks"High Technology Letters Journal, Volume 26, Issue 10, 2020, pp:1114-1119 ;ISBN:1006-6748	Non-referred
14	Dr. K. Shyam Sunder Reddy	Recurrent Neural Network Based Prediction of Number of COVID-19 Cases in India	Materials Today: Proceedings	Shyam Sunder Reddy K, Padmanabha Reddy YCA, Mallikarjuna Rao C. "Recurrent neural network based prediction of number of COVID-19 cases in India "Materials Today: Proceedings. 2020,doi: 10.1016/j.matpr.2020.11.117.	Non-referred
15	Dr K Shyam Sunder Reddy	Machine Learning Models for Predicting the Output of a Solar Panel to Diagnose the Panel Faults	Turkish Journal of Physiotherapy and Rehabilitation	Dr K Shyam Sunder Reddy"Machine Learning Models For Predicting The Output Of A Solar Panel To Diagnose The Panel Faults",Turkish Journal of Physiotherapy and Rehabilitation, ISSN 2651-4451 e-ISSN 2651-446X	Non-referred
16	Dr.Prashantha Rao, Dr.K.Ram Mohan Rao	Extensible Path Planning Intelligent System by Applying Nature Inspired Computing (NIC) Algorithm	Design Engineering	Dr.PrashanthaRao, Dr J.Praveen Kumar, Dr.K.Ram Mohan Rao"Extensible Path Planning Intelligent System by Applying Nature Inspired Computing (NIC) Algorithm" Design Engineering Year 2021 Issue:7, Pages: 10010 – 10018 ; ISSN: 0011-9342	Non-referred



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Conference Publications – 2020-21

S. No.	Faculty Name	Title of the paper	Conference Name	Cite	INDEX
1	Mr. Kalluri Rama Krishna	A Study on Data Mining Applications in Healthcare Sector	International Conference on Recent Emerging Science, Engineering & Advanced Research in Communication and Healthcare	Mr. Kalluri Rama Krishna "A Study on Data Mining Applications in Healthcare Sector" International Conference on Recent Emerging Science, Engineering & Advanced Research in Communication and Healthcare-2021	ICREARCH-2021



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Book Chapters – 2020-21

S. No.	Faculty Name	Title of the paper	Cite	INDEX
1	Dr. Ramesh Vasappanavara	ICT Based Intelligent Control of Biogas Plant	Bhatia, M.S., Vasappanavara, R., Jadhav, P. (2022). ICT-Based Intelligent Control of a Biogas Plant. In: Joshi, A., Mahmud, M., Ragel, R.G., Thakur, N.V. (eds) Information and Communication Technology for Competitive Strategies (ICTCS 2020). Lecture Notes in Networks and Systems, vol 191. Springer, Singapore. https://doi.org/10.1007/978-981-16-0739-4_14	SCOPUS
2	Mrs. S.Aruna	A Brief Study on Analyzing Student's Emotions with the Help of Educational Data Mining	Aruna, S., Sasanka, J., Vinay, D.A. (2021). A Brief Study on Analyzing Student's Emotions with the Help of Educational Data Mining. In: Pandian, A., Fernando, X., Islam, S.M.S. (eds) Computer Networks, Big Data and IoT. Lecture Notes on Data Engineering and Communications Technologies, vol 66. Springer, Singapore. https://doi.org/10.1007/978-981-16-0965-7_61	SCOPUS
3	Mrs. B. Leelavathy Dr. K. Ram Mohan Rao	Prediction of Biotic Stress in Paddy crop using Deep Convolutional Neural Networks.	Leelavathy, B. and Ram Mohan Rao Kovvur. "Prediction of Biotic Stress in Paddy Crop Using Deep Convolutional Neural Networks." Proceedings of International Conference on Computational Intelligence and Data Engineering (2020), DOI:10.1007/978-981-15-8767-2_29	SCOPUS
4	B. Leelavathy	Quality Assessment of Orange Fruit Images using Convolutional Neural Networks	Budamakuntala Leelavathy and Y. S. S. Sri Datta and Yerram Sai Rachana "Quality Assessment of Orange Fruit Images Using Convolutional Neural Networks." (2020).	SCOPUS
5	C. Sireesha	An approach for optimizing algorithms which find k1-most demanding products	Sireesha Chittepup, P. Yeshwanth Reddy, M. Nikhil Reddy "An approach for optimizing algorithms which find k1-most demanding products" Proceedings of International Conference on Advances in Computer Engineering and Communication Systems, (ICACECS-2020), 13-14 August, 2020	SCOPUS



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Books – 2020-21

S. No.	Faculty Name	Designation	Title of the paper	Name of the Book	ISSN/ISBN	Remarks	Publisher
1						Published Dec., 2020	Springer

PATENTS – 2020-21

S. No.	Faculty Name	Title	Application No.	Published Month
1	Dr. K Shyam Sunder Reddy	Effective Density-based Clustering Methods for Streaming Data	IP INIDIA Patents Application No: 202041006657A Publication Date: 01/05/2020	May, 2020
2	Dr. B. Kezia Rani	'An IOT Based LPG Cylinder Warehouse Monitoring System Along with Bookkeeping Refilling of Cylinders'	IP Australia: AusPat Application No.2020102832 (Outside India)	Dec, 2020