



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

Date: 11.08.2023

**Summary of Publications for the Academic Year 2022-23**

<b>Journals</b>							
<b>S.No.</b>	<b>Details</b>	<b>SCI</b>	<b>SCOPUS</b>	<b>WOS</b>	<b>UGC</b>	<b>Other</b>	<b>Total</b>
1	International Journals	9	12	Nil	Nil	1	22
2	National Journals	Nil	Nil	Nil	Nil	Nil	Nil

<b>Conferences &amp; Book Chapters</b>						
<b>S.No.</b>	<b>Details</b>	<b>IEEE</b>	<b>SPRINGER</b>	<b>Scopus</b>	<b>Others</b>	<b>Total</b>
1	International Conferences	9	Nil	Nil	8	17
2	Book Chapters	Nil	Nil	Nil	1	01

<b>Books</b>				
<b>S.No.</b>	<b>Details</b>	<b>NATIONAL</b>	<b>INTERNATIONAL</b>	<b>Total</b>
1	Books	1	5	06

<b>Patents</b>				
<b>S.No.</b>	<b>Details</b>	<b>NATIONAL</b>	<b>INTERNATIONAL</b>	<b>Total</b>
1	Patents	16	1	17

Faculty I/c.

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### **Journal Publications – 2022-23**

S. No.	Faculty Name	Title of the paper	Journals Name	Cite	INDEX
<b>Science Citation Index (SCI) INDEX</b>					
1	Dr. Shyam Sunder Reddy Kasireddy	An Efficient Long Short-Term Memory Model for Digital Cross-Language Summarization	Computers, Materials and Continua	Y. C. A. Padmanabha Reddy, S. S. R. Kasireddy, N. R. Sirisala, R. Kuchipudi and P. Kollapudi, "An efficient long short-term memory model for digital cross-language summarization," <i>Computers, Materials &amp; Continua</i> , vol. 74, no.3, pp. 6389–6409, 2023.	SCI
2	Manoj Patil	Enhanced radial basis function neural network for tomato plant disease leaf image segmentation	Ecological Informatics - Elsevier	Manoj A. Patil, Manohar M, Enhanced radial basis function neural network for tomato plant disease leaf image segmentation, <i>Ecological Informatics</i> , Volume 70,2022,101752,ISSN1574-9541, <a href="https://doi.org/10.1016/j.ecoinf.2022.101752">https://doi.org/10.1016/j.ecoinf.2022.101752</a> .	SCI
3	Mukesh Kumar Tripathi	Energy analysis of DI-CI engine with nickel oxide nanoparticle added azadirachta indica biofuel at different static injection timing based on exergy	Energy - Elsevier	Shylesha V. Channapattana, Srinidhi Campli, A. Madhusudhan, Srihari Notla, Rachayya Arkerimath, Mukesh Kumar Tripathi,Energy analysis of DI-CI engine with nickel oxide nanoparticle added azadirachta indica biofuel at different static injection timing based on exergy, <i>Energy</i> , Volume 267, 2023, 126622,ISSN 0360-5442, <a href="https://doi.org/10.1016/j.energy.2023.126622">https://doi.org/10.1016/j.energy.2023.126622</a> .	SCI
4	Mukesh Kumar Tripathi	Internal Quality Assessment of Mango Fruit an Automated Grading System with Ensemble Classifier	The Imaging Science Journal	Mukesh Kumar Tripathi & Dhananjay D. Maktedar , Internal quality assessment of mango fruit:an automated grading system with ensemble classifier published The Imaging Science Journal, <a href="https://doi.org/10.1080/13682199.2023.2166657">https://doi.org/10.1080/13682199.2023.2166657</a> Print ISSN: 1368-2199 Online ISSN: 1743-131X <a href="https://www.tandfonline.com/loi/yims20">https://www.tandfonline.com/loi/yims20</a> Published online: 10 Feb 2023. Pages 253-272	SCI
5	Dr. Shyam Sunder Reddy Kasireddy	Power management using AI-based IOT systems	Measurement: Sensors	K. Shyam Sunder Reddy, M. Manohara, K. Shailaja, P. Revathy, Thota Mahesh Kumar, G. Premalatha, Power management using AI-based IOT systems, <i>Measurement: Sensors</i> ,Volume 24,2022,100551, ISSN 2665-9174, <a href="https://doi.org/10.1016/j.measen.2022.100551">https://doi.org/10.1016/j.measen.2022.100551</a> .	SCI
6	Dr. K. Shyam Sunder Reddy	Smart farming using cloud-based Iot data analytics	Science Direct Measurement: Sensors journal	Anil V. Turukmane, M. Pradeepa, K Shyam Sunder Reddy, R. Suganthi , Y.Md Riyazuddin, V.V Satyanarayana Tallapragada "Smart farming using cloud-based Iot data analytics" <i>Science Direct Measurement: Sensors journal</i> homepage:	SCI



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S. No.	Faculty Name	Title of the paper	Journals Name	Cite	INDEX
				www.sciencedirect.com/journal/measurement-sensors <a href="https://doi.org/10.1016/j.measen.2023.100806">https://doi.org/10.1016/j.measen.2023.100806</a> Received 29 December 2022; Received in revised form 18 March 2023; Accepted 20 May 2023 Available online 22 May 2023 2665-9174/© 2023 The Authors. Published by Elsevier Ltd. This is an open access article under the CC BY-NC-ND license ( <a href="http://creativecommons.org/licenses/bync-nd/4.0/">http://creativecommons.org/licenses/bync-nd/4.0/</a> ).	
7	Dr. Chaya Devi	Design and Qualitative Analysis of 5-nm Nanowire TFET with Spacer Engineering	Journal of Electronic Materials	Vishnupriyan, J., <b>ChayaDevi, S.K.</b> , Megala, V. et al. Design and Qualitative Analysis of 5-nm Nanowire TFET with Spacer Engineering. J. Electron. Mater. (2023). <a href="https://doi.org/10.1007/s11664-022-10182-z">https://doi.org/10.1007/s11664-022-10182-z</a>	SCI
8	Manoj Patil	Assigning the Test Case Priorities Using Butterfly Optimization Algorithm for Software Test	International Journal of Software Innovation	Nagaraj V. Dharwadkar, Srikant Shetgar, <b>Manoj Patil</b> , Abhijeet P. Shah, "Assigning the Test Case Priorities Using Butterfly Optimization Algorithm for Software Test", International Journal of Software Innovation (IJSI), 10(1), DOI: 10.4018/IJSI.303577	SCI
9	Dr. S. K. Prashanth	Optimal Feature Selection Based on Evolutionary Algorithm for Intrusion Detection	SN Computer Science	S. K. Prashanth, S. Shitharth, B. Praveen Kumar, V. Subedha & K. Sangeetha Optimal Feature Selection Based on Evolutionary Algorithm for Intrusion Detection SN Computer Science Springer Article number: 439 (2022) Published: 10 August 2022 <a href="https://link.springer.com/article/10.1007/s42979-022-01325-4">https://link.springer.com/article/10.1007/s42979-022-01325-4</a>	SCI
<b>SCOPUS INDEX</b>					
10	B. Kezia Rani	Utility-Based Joint Power Control and Resource Allocation Algorithm for Heterogeneous Cloud Radio Access Network (H-CRAN)	Wireless Communication & Mobile Computing Special issue on Machine Learning Enabled Signal Processing Techniques for Large Scale 5G and 5G Networks	M. S. Bhuvaneswari, N. Balaganesh, B. <b>Kezia Rani</b> , P. John Paul, S. Deepajothi, and Afework Aemro Berhanu, "Utility-Based Joint Power Control and Resource Allocation Algorithm for Heterogeneous Cloud Radio Access Network (H-CRAN)", Machine Learning Enabled Signal Processing Techniques for Large Scale 5G and 5G Networks, Volume 2022   Article ID 8594449 <a href="https://doi.org/10.1155/2022/8594449">https://doi.org/10.1155/2022/8594449</a>	SCOPUS
11	Dr. V. Venkata Krishna	Age classification using Isometric and Anisometric cross Diagonal-Local Direction Ternary Matrix	Journal of Theoretical and applied information Technology (JATIT)	Swarna, A., Krishna, V.V., Supreethi, K.P., "Age classification using Isometric and Anisometric cross Diagonal-Local Direction Ternary Matrix "Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645 31st August 2022. Vol.100. No 16	SCOPUS
12	Dr. V. Venkata Krishna	Image Retrieval Using Color And Stretched Textons of Rule Based MOTIF	Journal of Theoretical and Applied Information Technology	M. Vijayashanthi, Dr. V. Venkata Krishna, Dr. G. Venkata Rami Reddy, Image Retrieval Using Color And Stretched Textons of Rule Based MOTIF, Journal of Theoretical and Applied Information	SCOPUS



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S. No.	Faculty Name	Title of the paper	Journals Name	Cite	INDEX
				Technology, Vol.100. No 23,ISSN: 1992-8645 E-ISSN: 1817-3195	
13	Kovvur Ram Mohan Rao	An Effective Deep Learning Based Multi-Class Classification of DoS and DDoS Attack Detection	International Journal of Electrical and Computer Engineering Systems	Arun Kumar Silivery, Kovvur Ram Mohan Rao, L. K. Suresh Kumar An Effective Deep Learning Based Multi-Class Classification of DoS and DDoS Attack Detection International Journal of Electrical and Computer Engineering Systems DOI: <a href="https://doi.org/10.32985/ijeces.14.4.6">https://doi.org/10.32985/ijeces.14.4.6</a>	SCOPUS
14	Dr. V. Venkata Krishna	Magnitude-Based Twin Texton Co-Occurrence Matrix for Image Retrieval	Journal of Theoretical and applied information Technology (JATIT)	Dr. V. Venkata Krishna - Magnitude-Based Twin Texton Co-Occurrence Matrix for Image Retrieval - Journal of Theoretical and applied information Technology (JATIT) 15th June 2022. Vol.100. No 11 © 2022 Little Lion Scientific ISSN: 1992-8645 <a href="http://www.jatit.org">www.jatit.org</a> E-ISSN: 1817-3195	SCOPUS
15	S.Aruna	Enhancement of Students Attentiveness using Deep Learning Techniques	International Journal of e-Collaboration (IJeC)	S.Aruna - Enhancement of Students Attentiveness using Deep Learning Techniques - International Journal of e-Collaboration (IJeC) Source Title: <u>International Journal of e-Collaboration (IJeC)18(3)</u> Copyright: © 2022  Volume: 18  Issue: 3  Pages: 14 ISSN: 1548-3673 EISSN: 1548-3681 EISBN13: 9781799893882 DOI: 10.4018/IJeC.307129	SCOPUS
16	Chayadevi Senigalukuruba, Suraj Pabba (Student)	Pothole recognition using convolution neural networks and transfer learning	IAES International Journal of Artificial Intelligence.	Chayadevi Senigalukuruba, Pothole recognition using convolution neural networks and transfer learning IAES International Journal of Artificial Intelligence. IJ-AI Volume 12, No. 3 DOI: <a href="http://doi.org/10.11591/ijai.v12.i3.pp1204-1209">http://doi.org/10.11591/ijai.v12.i3.pp1204-1209</a> ; ISSN: 2089-4872, e-ISSN: 2252-8938	SCOPUS
17	M. Neelakantappa	An Approach for Person Detection along with Object Using Machine Learning,	Journal of Advances in Information Technology	Srikanth Bethu, M. Neelakantappa, A. Swami Goud, B. Hari Krishna, and P. N. V. Syamala Rao M Journal of Advances in Information Technology, Vol. 14, No. 3, pp. 411-417, 2023. ISSN: 1798-2340 (Online) <a href="http://www.jait.us/show-229-1335-1.html">http://www.jait.us/show-229-1335-1.html</a>	SCOPUS
18	Ram Mohan Rao Kovvur	CryptNoSQL – A Methodology for Secure Querying and Processing of Encrypted NoSQL Data on the Cloud Environment	SSRG International Journal of Electronics and Communication Engineering	Sridhar Vemula, Ram Mohan Rao Kovvur, Dyna Marneni, "CryptNoSQL – A Methodology for Secure Querying and Processing of Encrypted NoSQL Data on the Cloud Environment," SSRG International Journal of Electronics and Communication Engineering, vol. 10, no. 5, pp. 14-27, 2023. Crossref, <a href="https://doi.org/10.14445/23488549/IJECE-V10I5P102">https://doi.org/10.14445/23488549/IJECE-V10I5P102</a>	SCOPUS



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S. No.	Faculty Name	Title of the paper	Journals Name	Cite	INDEX
19	S. Sreelakshmi	Diversity Enhanced Adaptive Correlation Connected Clustering of Long Tail Items	Journal of Theoretical and Applied Information Technology	S. Sreelakshmi, Dr. T. Adilakshmi, Bakshi Abhinith, "Diversity Enhanced Adaptive Correlation Connected Clustering of Long Tail Items", Journal of Theoretical and Applied Information Technology, E-ISSN 1817-3195 / ISSN 1992-8645	SCOPUS
20	S. Aruna	Cognitive Perception for Scholastic Purposes using Innovative Teaching Strategies	Scalable Computing: Practice and Experience	S. Aruna, Kuchibhotla Swarna "Cognitive Perception for Scholastic Purposes using Innovative Teaching Strategies", Scalable Computing: Practice and Experience, ISSN 1895-1767, <a href="http://www.scpe.org">http://www.scpe.org</a> © 2022 SCPE. Volume 23, Issues 4, pp. 147–157, DOI 10.12694/scpe.v23i4.2011	SCOPUS
21	K. Rama Krishna	ETP-AKEP: enhanced three-party authenticated key exchange protocols for data integrity in cloud environments	Journal of Control and Decision	K. Rama Krishna, C. V. Guru Rao Journal of Control and Decision Volume 10, 2023 - Issue 1: Special Issue: Human-Centric, Decentralized, and Hyperautomated Cyber-Physical Systems; Pages 126-133   Received 10 Dec 2021, Accepted 28 Jun 2022, Published online: 07 Jul 2022 <a href="https://doi.org/10.1080/23307706.2022.2096707">https://doi.org/10.1080/23307706.2022.2096707</a>	SCOPUS
<b>NON-REFERRED</b>					
22	Mrs. G.Swapnasri	Lung Cancer Recognition Using CT scan with CNN-VGG19 and PNN	NeuroQuantology	Mrs A S Keerthi Nayani, Mrs. G.Swapnasri, Mr. Muddamallanaresh "Lung Cancer Recognition Using CT Scan with CNN-VGG19 and PNN" NeuroQuantology   August 2022   Volume 20   Issue 10   Page 2654-2662   doi: 10.14704/nq.2022.20.10.NQ55228	NON-REFERRED



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### Conference Publications – 2022-23

S. No.	Faculty Name	Title of the paper	Conference Name	Details	INDEX
1	Manoj A. Patil & M. Manohar	A Comprehensive Review on Crop Disease Prediction Based on Machine Learning and Deep Learning Techniques	Congress on Intelligent Systems CIS 2022: Third Congress on Intelligent Systems pp 481–503Cite as First Online: 12 March 2023 Part of the Lecture Notes in Networks and Systems book series (LNNS,volume 608)	Manoj A. Patil & M. Manohar A Comprehensive Review on Crop Disease Prediction Based on Machine Learning and Deep Learning Techniques Congress on Intelligent Systems CIS 2022: Third Congress on Intelligent Systems pp 481–503Cite as First Online: 12 March 2023 Part of the Lecture Notes in Networks and Systems book series (LNNS,volume 608)	Presented
2	Dr. Chaya Devi	Convolutional Neural Network based Inception v3 and Vgg-Net Model for Brain Tumor Detection	International Conference Innovations In Engineering and Technology	Dr. S. K. Chaya Devi,"Convolutional Neural Network based Inception v3 and Vgg-Net Model for Brain Tumor Detection",Presented at ICIET(International Conference Innovations In Engineering and Technology ,Conducted on 15 to 17 September, 2022 .	Presented
3	Dr. Hitendra Sharma	Crop Type and Stress Detection using Transfer Learning with MobileNet	International Conference on Emerging Techniques in Computational Intelligence (ICETCI), Hyderabad	A. V. Penmetsa and T. H. Sarma, "Crop Type and Stress Detection using Transfer Learning with MobileNet," 2022 International Conference on Emerging Techniques in Computational Intelligence (ICETCI), Hyderabad, India, 2022, pp. 1-4, doi: 10.1109/ICETCI55171.2022.9921356.	Published IEEE Xplore
4	Mr. Manoj Patil	Smart Attendance Management System using IoT	IEEE ICCSEA-2022, Conference	Mr. Manoj Patil," Smart Attendance Management System using IoT", IEEE ICCSEA-2022, Conference	Published IEEE Xplore
5	Dr. K. Ram Mohan Rao	Experimental Setup of Apache Spark Application Execution in a Standalone Cluster Environment using Default Scheduling Mode	International Conference on Automation, Computing and Renewable Systems (ICACRS-2022) organized by Department of ECE, Mount Zion College of Engineering and Technology Pudukkottai, Tamilnadu.	M. Jayanthi and K. R. M. Rao "Experimental Setup of Apache Spark Application Execution in a Standalone Cluster Environment using Default Scheduling Mode" International Conference on Automation, Computing and Renewable Systems (ICACRS-2022) organized by Department of ECE, Mount Zion College of Engineering and Technology Pudukkottai, Tamilnadu, 13-15 December, 2022; ISBN : 978-1-6654-6084-2 IEEE DVD ISBN : 978-1-6654-6083-5	Published IEEE Xplore





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S. No.	Faculty Name	Title of the paper	Conference Name	Details	INDEX
6	Soanpet Sree Lakshmi	Enhanced adaptive multi-level clustering of long tail items	2nd International Conference on Cognitive and Intelligent Computing (ICCIC Vasavi College of Engineering, Hyderabad, India)	Soanpet Sree Lakshmi , "Enhanced adaptive multi-level clustering of long tail items," 2 <sup>nd</sup> International Conference on Cognitive and Intelligent Computing (ICCIC Vasavi College of Engineering, Hyderabad, India)	Presented
7	Soanpet Sree Lakshmi	Implementation of a Hybrid Movie Recommendation System for large scale Data	2nd International Conference on Cognitive and Intelligent Computing (ICCIC Vasavi College of Engineering, Hyderabad, India)	Soanpet Sree Lakshmi , "Enhanced adaptive multi-level clustering of long tail items", 2 <sup>nd</sup> International Conference on Cognitive and Intelligent Computing (ICCIC Vasavi College of Engineering, Hyderabad, India)	Presented
8	G. Swapnasri	Gain Enhancement Of Patch Antenna Array For 5G, Advanced Driver Assistance System Applications	International Conference on Advancements in Smart, Secure & Intelligent Computing (2022) organized by Kalinga Institute of Industrial Technology (Deemed to be University), Bhubaneshwar, Odisha	Kanuri Naveen, Kiran Dasari, G. Swapnasri , Ravikanti Swetha, S. Nishitha , B. Anusha, "Gain Enhancement Of Patch Antenna Array For 5G, Advanced Driver Assistance System Applications", International Conference on Advancements in Smart, Secure & Intelligent Computing (2022) organized by Kalinga Institute of Industrial Technology (Deemed to be University), Bhubaneshwar, Odisha, 19-20 November, 2022	Presented
9	Mr. K. Rama Krishna	An Innovative Way of Asking Questions using Google Forms	International Conference on Technologies, Sustainable Development Goals and Academia	Mr. K. Rama Krishna, "An Innovative Way of Asking Questions using Google Forms", First International Conference on Technologies, Sustainable Development Goals and Academia 2022 (ICTSGA-1) 1st & 2nd July, 2022 Online.	Presented
10	Tilottama Goswami	Framework for Voice-controlled AI Teaching Assistant for Specially-abled	AISP-2023 Conference to be held in VIT-AP University Amaravathi	Tilottama Goswami Framework for Voice-controlled AI Teaching Assistant for Specially-abled is Accepted for presentation at AISP-2023 Conference to be held in VIT-AP University Amaravathi <a href="https://ieeexplore.ieee.org/document/10135015">https://ieeexplore.ieee.org/document/10135015</a>	Published IEEE Xplore
11	S. Renuka G. Radha	Predicting The Spectacles Usage By Small Kids	International Conference on intelligent COMPUTing TEchnologies and Research (i-COMPUTER 2023)	S. Renuka, G. Radha, Predicting The Spectacles Usage By Small Kids International Conference on intelligent COMPUTing TEchnologies and Research (i-COMPUTER 2023) held on 24 -25 March 2023, Department of Computer Science and Engineering, NIT Puducherry, Karaikal.	Presented



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S. No.	Faculty Name	Title of the paper	Conference Name	Details	INDEX
12	Srinivas Rao Gorre	Improved P300-Based BCI using EEG Scalogram Images and Deep Neural Networks	2023 3rd International Conference on Intelligent Technologies (CONIT) Karnataka, India. June 23-25, 2023	Srinivas Rao Gorre, Ravichander Janapati, Ch. Rajendra Prasad Improved P300-Based BCI using EEG Scalogram Images and Deep Neural Networks 2023 3rd International Conference on Intelligent Technologies (CONIT) Karnataka, India. June 23-25, 2023 979-8-3503-3860-7/23/\$31.00 ©2023 IEEE 1 2023 3rd International Conference on Intelligent Technologies (CONIT)   979-8-3503-3860-7/23/\$31.00 ©2023 IEEE   DOI: 10.1109/CONIT59222.2023.10205725 Authorized licensed use limited to: NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL. Downloaded on August 09,2023 at 16:33:23 UTC from IEEE Xplore.	Published IEEE Xplore
13	S. Rajyalaxmi	Scheduling in Multi-Hop Wireless Networks using a Distributed Learning Algorithm	published Proceedings of the 7th International Conference on Trends in Electronics and Informatics (ICOEI) DVD Part Number: CFP23J32-DVD; ISBN: 979-8-3503-9727-7 979-8-3503-9728-4/23/\$31.00 ©2023 IEEE	Dr. Amit Jaykumar Chinchawade, S. Rajyalaxmi, Dr. Shashank Singh, Dr.R.Anil Kumar, Ravi Rastogi, Mohd Asif Shah paper titled Scheduling in Multi-Hop Wireless Networks using a Distributed Learning Algorithm published Proceedings of the 7th International Conference on Trends in Electronics and Informatics (ICOEI) DVD Part Number: CFP23J32-DVD; ISBN: 979-8-3503-9727-7 979-8-3503-9728-4/23/\$31.00 ©2023 IEEE Date of Conference: 11-13 April 2023 Date Added to IEEE Xplore: 24 May 2023 ISBN Information: DOI: <a href="https://doi.org/10.1109/ICOEI56765.2023.10125909">10.1109/ICOEI56765.2023.10125909</a> Publisher: IEEE Conf. Location: Tirunelveli, India	Published IEEE Xplore
14	R. M. R. Kovvur	"Algorithms for Implementing Repeated Homomorphic Operations on Restricted Data Type Ranges,"	2023 Somaiya International Conference on Technology and Information Management (SICTIM), Mumbai, India, 2023, pp. 106-111, doi: 10.1109/SICTIM56495.2023.10105118	S. Vemula, R. M. R. Kovvur and D. Marneni,. "Algorithms for Implementing Repeated Homomorphic Operations on Restricted Data Type Ranges," 2023 Somaiya International Conference on Technology and Information Management (SICTIM), Mumbai, India, 2023, pp. 106-111, doi: 10.1109/SICTIM56495.2023.10105118 979-8-3503-3329-9/23/\$31.00 ©2023 IEEE	Published IEEE Xplore





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S. No.	Faculty Name	Title of the paper	Conference Name	Details	INDEX
15	Haseeba Yaseen G Radha	An Innovative Method for energy intensive routing and transmission network positioning integrated wireless detector networks	International Conference on Recent Trends in Electronics and Communication, (ICRTEC-2023)	Rakheeba Taseen, Haseeba Yaseen G Radha Niranjana L, Shwetha N paper titled An Innovative Method for energy intensive routing and transmission network positioning integrated wireless detector networks - International Conference on Recent Trends in Electronics and Communication, (ICRTEC-2023) organized by Dept. of EC, National Institute of Engineering, Mysuru in Association with IEEE Bangalore Section and Mysore Subsection held from 10-11 February, 2023	Published IEEE Xplore
16	C. Sireesha V. Surya Tejaswi	A Product Recommendations based on Emotion Detection using Artificial Intelligence	II International conference on Computational Intelligence & Data Engineering	C. Sireesha, V. Surya Tejaswi - A Product Recommendations based on Emotion Detection using Artificial Intelligence - II International conference on Computational Intelligence & Data Engineering organized by The Dept. of CSE, VJIT during 6 <sup>th</sup> & 7 <sup>th</sup> January, 2023 DOI: 10.48047/IJIMR/V12/ISSUE 01/75	Published in IJIMER
17	S Renuka	Data Security Analysis of PHY Layer using Artificial Intelligence and Machine Learning	Advanced Computing & Communication Systems – ICACCS 2023	Panduraju Pagidimalla, T. Venketbabu, J. K. Kanimozhi, S Renuka, Nandula Anuradha, S. Surenderkumar paper titled Data Security Analysis of PHY Layer using Artificial Intelligence and Machine Learning presented at Advanced Computing & Communication Systems – ICACCS 2023 DOI: <a href="https://doi.org/10.1109/ICACCS57279.2023.10112749">10.1109/ICACCS57279.2023.10112749</a>	Published IEEE Xplore



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**Book Chapters – 2022-23**

S. No.	Faculty Name	Title Book Title	Book Chapter	Name of the Publisher	Book ISSN/ISBN	INDEX
1	<b>Dr. S.K.Chaya Devi,</b> Sai Teja Koppula (Student)	AI Centric Smart City Ecosystems	Smart Vehicle Parking Management with IoT Technology	Taylor & Francis Group	ISBN.HB: 978-1-032- 17079-4, ISBN.EB:978-1-003- 25254-2.	-



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**Books – 2022-23**

S. No.	Faculty Name	Book Title	Name of the Publisher	Book ISSN/ISBN	National/ International
1	Ram Mohan Rao Kovvur, T. Hitendra Sarma	Computational Intelligence and Data Analytics Proceedings of ICCIDA 2022 Lecture Notes on Data Engineering and Communications Technologies (LNDECT)	Springer	eBook ISBN 978-981-19-3391-2 Series ISSN 2367-4512 Series E-ISSN 2367-4520	International
2	Tilottama Goswami	Statistical Modeling in Machine Learning Concepts and Applications	Elsevier	ISBN: 9780323917766 eBook ISBN: 9780323972529	International
3	T. Hitendra Sarma	Deep Learning Classifiers for Hyperspectral Image Analysis	LAP-LAMBERT Academic Publishing,	2022. ISBN: 978-620-5- 51413-9.	International
4	Mr. Kalluri Rama Krishna	A Beginners Guide to Problem Solving and Programming in Python		ISBN: 9789356253070	National
5	<b>Dr.K.Shyam Sunder Reddy</b> ,Mrs.J.Lakshmi Alekhya, Mr.Prasad Devarasetty ,Dr.V.Shanumukha Rao	Learn Essential Concepts of Database Management System	Deccan International Academic Publishers	ISBN: 978-81-961690-2-2	International
6	Dr. S. Sivakumar <b>Dr. S. K. Prashanth</b> Mr. Y. K. Viswanadham Dr. S. Prabagar	Book titled CYBER SECURITY (Paperback)	Alpha International Publication	ISBN: 9789395978774	International



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Date: 11.08.2023

**PATENTS – 2022-23**

S. No.	Faculty Name	Title	Application No.	Published Month
1	Dr V Venkata Krishna	Method And System For Performing Face Detection Using Machine Learning Techniques	Patent Application No.202241041163 A	Date of filing of Application: 19/07/2022 Publication Date: 19/08/2022
2	Mukesh Kumar Tripathi	Development of a Novel Fused descriptor-based framework for recognition of fruits Applying Machine learning techniques	Application No. 202241047421 A	Date of filing of Application: 19/08/2022 Publication Date : 26/08/2022
3	K. Rama Krishna	IoT Enabled WSM System tracks unauthorized Human Access into the Highway-side Restricted Forests	Application No. 202241038691 A	Date of filing of Application: 05/07/2022 Publication Date: 22/07/2022
4	K. Rama Krishna	High Performance Computing (HPC) Integration of IoT and Big Data Analytics: Design and Experimental Evaluation of an HPDA Framework for eScience at Scale	Application No. 202211045530 A	Date of filing of Application: 09/08/2022 Publication Date : 26/08/2022
5	K. Rama Krishna	Building a Real-Time Tracking and Alert System for Laptops with the Use of GPS, GSM, Motion Sensors and Cloud Service	Application No. 202241058909 A	Date of filing of Application : 14/10/2022 Publication Date : 26/08/2022
6	C. Sireesha	A Conceptual Model for the Application of Artificial Intelligence to Sustainable Travel	Application No. 202241059310 A	Date of filing of Application: 17/10/2022 Publication Date: 28/10/2022
7	Haseeba Yaseen	An advanced Image Processing System using a Combination of IoT & Cloud Computing and working method	Application No. 202241060839 A	Date of Filing of Application: 25.10.2022 Publication Date:18.11.2022
8	Singanamalli Renuka	Analysis of issue faced by mid-level employee in Indian IT Sector	Application Date: 202241065320 A	Date of Filing of application: 15/11/2022 Publication Date: 25/11/2022
9	B. Kezia Rani	A novel Techniques Based on Support Vector machine for Predicting the daily closing prices of selected share in the stock market	Application Date: 202241065320 A	Date of Filing of application: 15/11/2022 Publication Date: 25/11/2022
10	B. Kezia Rani	Implementation of machine learning techniques for attack and anomaly detection in internet of thing (IOT) sensor and sites	Application No. 202241073450 A	Date of filing of Application: 19/12/2022 Publication Date: 06/01/2023



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S. No.	Faculty Name	Title	Application No.	Published Month
11	1) M K Sripriya (Student) 2)CH V S Anirudh (Student) 3)Shylesha Channapattana (Student) 4)A Shiva Kaushal (Student) 5)K Vaishnavi (Student) 6)Naveen Manda (Student) 7)V Abhiram Sreekar <b>8)T. Hitendra Sarma</b> <b>9)R. Dharma Reddy</b> <b>10)Dr.Mukesh Kumar Tripathi</b> 11)Dr.Srinidhi C	Development of a Novel Fused descriptor-based framework for recognition of fish species Applying Machine learning techniques	India Patent Application No. 202341018025 A	Date of filing of Application :17/03/2023 Publication Date : 31/03/2023
12	Dr. Goswami Tilottama	Research Contribution on Framework for Representing Outdoor Scenes has been granted the German Patent	German Patent IPC: G06T 7/10 Application No. 20 2023 101 249	Date of filing of Application : 15/03/2023 Publication Date : 03/04/2023
13	S.Rajyalaxmi	Systematic Framework For Analyzing The Performance Of Supply Chain Finance Management Through Block Chain	Application No. 202241069356 A	Date of filing of Application :01/12/2022 Publication Date : 30/12/2022
14	Mrs.Haseeba Yaseen	A Method for identification of appropriate drugs for specific diagnosis	Application No. 202341016138 A	Date of filing of Application :10/03/2023 Publication Date : 24/03/2023
15	Mr. B.Snehith (Student), <b>Dr. S. K. Chaya Devi.</b> <b>Dr. K. Ram Mohan Rao,</b> <b>Ms. B. Leelavathy,</b> <b>Ms. C.Sireesha</b>	SMART ATTENDANCE SYSTEM	Application No. 202341029239 A	Date of filing of Application :22/04/2023 Publication Date : 26/05/2023



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16	Dr.R.Pugalenth 2)Dr.Ravi Kumar Poluru 3)Mr.Srinu Bevara 4)Dr.Karthikeyan Palaniappan 5)Mrs.P.Poonkodi 6)Dr.D.Sattianadan 7)Mr.K.Prabhu kumar 8) <b>Mrs.Gadige Radha</b> 9)Dr.S.S.Sivaraju 10)Dr.Shaik.Bajidvali	OPTIMAL IMAGE SEGMENTATION SYSTEM FOR ULTRA SOUND IMAGE SEGMENTATION AND CLASSIFICATION	Application No. 202241061215 A	Date of filing of Application :27/10/2022 Publication Date : 18/11/2022
17	<b>1.Dr. S.K.Prasanth</b> <b>2. Dr. M.Neelakantappa</b> <b>3.Mr. Manoj A. Patil</b> 4.Dr. T. Satyanarayana Murthy	BASED FACE MASK DETECTING AND BODY TEMPERATURE MEASURING DEVICE	No : 129943 Design No. 376913-001	Date : 07/01/2023 Date of Issue : 28/02/2023