23. (a). Report on Research
Publications:

(i) No. of publications in Journals

- National : **Nil**
- International: **42**

List of Journal publication

S.No	Name of Author	Title of Article	Name of the journal	Vol	Issue	Year of Publication	Page No.	ISSN/ISBN Number
1	Dr.Suraya Mubeen	Deep learning-based massive MIMO precoder under heavily noisy channel with flexible rate and power adaptation	Soft Computing	41	6	2023	1-10	2349-5138
2	Dr.Suraya Mubeen	Backscatter-assisted wireless powered communication networks with multiple antennas	International Journal of Research and Analytical Reviews	10	4	2023	69-73	2348-1269
3	Dr.Suraya Mubeen	Trends and Challenges For The Spectrum Efficiency in NOMA and MIMO Based Cognitive Radio In 5G Networks	International Journal of Research and Analytical Reviews	10	4	2023	262-265	2348-1269
4	Dr.Suraya Mubeen	Anticipating network failures and congestion in optical networks a data analytics approach	Optical and Quantum electronics	55		2023	1-10	0306-8919

		using genetic algorithm optimization						
5	Dr. Sudha Arvind	High-Rate Data Transmission By Using Bit Loading Greedy Analysis	International Journal of Research and Analytical Reviews (IJRAR)	10	4	2023	551-556	2348-1269
6	Dr.Suraya Mubeen	Design and Development of Filter Bank Multicarrier Modulation Schemes for Future Mobile Communications	International Journal of Research and Analytical Reviews	11	2	2024	530-535	2349-5138
7	Dr.Suraya Mubeen	QoE-Driven Integrated Heterogeneous Traffic Resources Allocation Based On Cooperative Learning For 5G Cognitive Radio Networks	International Journal of Research and Analytical Reviews	11	2	2024	924-930	2349-5138
8	Dr. K. Mohana Lakshmi	Breast cancer detection and classification of elastrography images using artificial intelligence technique	International Journal of Creative Research Thoughts (IJCRT)	12	4	2024	110-118	2320-2882
9	Dr. K. Mohana Lakshmi	Segmentation of Eye Fundus Images by Density Clusteringin Diabetic Retinopathy	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	158-163	2349-5138
10	Dr. K. Mohana Lakshmi	Robust security framework for	International Research Journal of Modernization	6	4	2024	2604-2608	2582-5208

		cloud-based logistics services	in Engineering Technology and Science					
11	Dr. K. Mohana Lakshmi	Detection of liver cancer using k-means clustering algorithm	International Research Journal of Modernization in Engineering Technology and Science	6	4	2024	2909-2914	2582-5208
12	Dr. Sudha Arvind	GSM and GPS Location Tracking Based Women Safety System	IJRAR	11	2	2024	581-586	2348-1269
13	Dilshad Shaik	A Image Dehancing Algorithm using various methods	IRJMETS	6	4	2024	2830-2836	2582-5208
14	D Sreekanth	Performance analysis of cd noma in 5g communicatio n systems	INTERNATIONA L JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS	11	2	2024	183-196	2349-5138
15	Dr. K. Bharath Kumar	Design wearable patch anteena for using wireless body area network	International Research Journal of Modernization in Engineering Technology and Science	6	4	2024	2850-2856	2582-5208
16	D. Sreekanth	Detection of fakenews using LSTM Algorithm	IJRAR	11	2	2024	238-244	2349-5138
17	Dr. Chilakala Sudhama ni	CMRTC Student Forum (cmrtcstdforu m) using Web Development	International Journal of Innovative Research in Computer and Communication Engineering	12	4	2024	3271-3276	2320-9801
18	Dr. Mahesh V Sonth	Design of safety monitoring and alerting module for the employees working in the coal mining	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	93-98	2349-5138

		industry						
19	Dr. Mahesh V Sonth	Bank Locker System using Finger Print Security	International Journal Of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)	7	4	2024	5432-5438	2582-7219
20	A Vamshidhar Reddy	Fingerprint and RFID Based Bike and Car Ignition System	International journal for research in applied science & engineering technology(IJRASET)	12	4	2024	2295-2301	2321-9653
21	M. Sravanthi	Hand gesture recognition system modified svm and hybrid ensemble classifier	INTERNATIONAL RESEARCH JOURNAL OF MODERNIZATION IN ENGINEERING TECHNOLOGY AND SCIENCE	6	4	2024	2575-2581	2582-5208
22	A Vamshidhar Reddy	Automatic traffic light control based on density	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	642-648	2348-1269
23	Gurram Sravanthi	Wireless home security using iot	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	12	4	2024	2102-2109	2321-9653
24	Matam Sravanthi	A robust security framework for cloud-based logistics services	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	876-881	2348-1269
25	A Sri Divya	Home security system using gsm	IJMRSET	7	4	2024	5535-5538	2582-7219
26	B. Karunasree	Implementation of reversible data hiding in encrypted	International Research Journal of Modernization in Engineering	6	4	2024	2242-2246	2582-5208

		video	Technology and Science					
27	Sudhamalla Mallesh	An Improved Discrete Tomography Algorithm for Reconstructing Images with Multiple Gray Levels	International Journal Of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)	7	6	2024	11165-11168	2582-7219
28	A. Sri Divya	Iot–based coal mine safety monitoring and alerting system	irjmets	6	4	2024	6555-6560	2582-5208
29	Sudhamalla Mallesh	Low complexity acc-dct based video compression	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	154-163	2349-5138
30	B. Thanuja	Lifi based underwater communication	International Research Journal of Modernization in Engineering Technology and Science	6	4	2024	1366-1373	2582-5208
31	B. Thanuja	Secret Sharing Based Reversible Data Hiding in Encrypted Images with Multiple Data Hiders	International Journal for Multidisciplinary Research (IJFMR)	6	2	2024	1-7	2582-2160
32	A. Sri Divya	An Investigation on "Unlocking the Potential: Advances and Challenges in Quantum Computing"	International Journal for Modern Trends in Science and Technology	9	11	2023	63-70	2455-3778
33	Mohd Abdul Naqi	High Accuracy Bank Locker Security System using GSM and GPS	IJRASET	12	4	2024	2620-2626	2321-9653

34	Nagarjuna Tanikonda	Blind stick using ultrasonic sensor with voice announcement and gps tracking	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	237-242	2349-5138
35	Mohd Abdul Naqi	Scalable cell-free massive mimo systems	International Research Journal of Modernization in Engineering Technology and Science	6	4	2024	2385-2395	2582-5208
36	Nagarjuna Tanikonda	Voice - gpt using python	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	666-671	2349-5138
37	Dr G Srikanth	Realization of Different-Shaped Electromagnetic Band Gap Antennas for Wi-Fi Applications	SERBIAN JOURNAL OF ELECTRICAL ENGINEERING	21	1	2024	73-89	2217-7183
38	Dr G Srikanth	Liver cancer prediction using MATLAB	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	12	4	2024	2146-2151	2321-9653
39	Dr G Srikanth	Occupancy detection of smart buildings using android IOT	International Journal of Research and Analytical Reviews (IJRAR)	11	2	2024	645-652	348-1269
40	Dr G Srikanth	Implementation of theft intimation for vehicle over sms	International Research Journal of Modernization in Engineering Technology and Science	6	4	2024	2862-2867	2582-5208
41	Dr G Srikanth	Smart Transportation System: Raspberry Pi Enabled	European Chemical Bulletin	12	8	2023	3773-3789	2063-5346

		Trolley with Human Following Capability						
42	B. Karunasree	Underground cable fault detection system with distance locator	International Journal of Research and Analytical Reviews	11	2	2024	727-732	2348-1269

(i) No. of publications in Conferences

- National : Nil
- International: _14

List of Conference Publication

S. No	Name of Author	Title of Conference	Title of Article	National/ International	Year of Publication	ISSN/ ISBN Number	Publisher Name
1	Dr. Sudha Arvind	2023 International Conference on Distributed Computing and Electrical Circuits and Electronics(ICDCECE), 29th-30th April	Network Traffic Virtualization using Wireshark and Google Maps	International	2023	9781003304630	2023 International Conference on Distributed Computing and Electrical Circuits and Electronics(ICDCECE), 29th-30th April
2	Dr K Mohana Lakshmi	BOOK SERIES IN TAYLOR FRANCIS	Tumor Extraction System Using ELM and Modified K-Means Clustering	International	2023	03000 3-1–03000 3-8	BOOK SERIES IN TAYLOR FRANCIS
3	Dr. K. Bharath Kumar	Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing	Implementation of Smart Bore-Well Child Rescue System	International	2023	978-981-99-6706-3	Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing
4	Dr. Suraya Mubeen	11th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2023)	A Survey: Classifying and Predicting Features Based on Facial Analysis	International	2023	979-8-3503-4148-5	11th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2023)
5	Dr. K. Mohana Lakshmi	the 7th International	Enhanced Privacy and	International	2023	ISBN : 979-8-	the 7th International

		Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2023)	Security Maintenance to Preserve Big Data using Cipher Policy			3503-2579-9	Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2023)
6	Dr. Sireesha Pendem	International Conference on Augmented Intelligence and Sustainable Systems (ICAISS 2023)	Implementation of human robot interaction with motion planning with control parameters motion planning	International	2023	https://doi.org/10.1109/MysuruCon59703.2023.10396969	International Conference on Augmented Intelligence and Sustainable Systems (ICAISS 2023)
7	Dr. Sudha Arvind	2023 IEEE 3rd Mysore Sub Section International Conference (MysuruCon)	GUI Based Advanced Modulation Techniques Using Python	International	2024	978-93-86171-55-9	2023 IEEE 3rd Mysore Sub Section International Conference (MysuruCon)
8	Dr Mahesh V Sonth	IETE Conference-AIC 2023	A Comparative Study of All Optical Adders using Photonic Crystal Structures	International	2024	979-8-3503-0692-7/23	IETE Conference-AIC 2023
9	Dr. Suraya Mubeen	2023 International Conference on Recent Advances in Science & Engineering Technology (ICRASET)	APC System: A system for the Blind and Deaf Who Face Visual and Depth Perception Challenges	International	2023	978-98199 9703-9	2023 International Conference on Recent Advances in Science & Engineering Technology (ICRASET)
10	Dr. Suraya Mubeen	Proceedings of Fifth International Conference on Computer and Communication Technologies, Lecture Notes in Networks and Systems	Kullback–Leibler Divergence-Based Feature Selection Method for Image Texture Classification	International	2024	979-8-3503-1702-2	Proceedings of Fifth International Conference on Computer and Communication Technologies, Lecture Notes in Networks and Systems

11	Dr. Sudha Arvind	2023 3rd IEEE international conference on mobile networks and wireless communications (ICMNWC), December 04-05, Tumkur, Karnataka, India	Trust Based Safe Relay Selection Strategy Towards Prevention of Black Hole Attack in Wireless Sensor Network	International	2024	9.79835E+12	2023 3rd IEEE international conference on mobile networks and wireless communications (ICMNWC), December 04-05, Tumkur, Karnataka, India
12	Dr. Sireesha Pendem	ICAISS 2023	Implementation of Human Robot Interaction with Motion Planning and Control Parameters with Autonomous Systems in Industry 4.0	International	2023	978-0-7354-4523-9	ICAISS 2023
13	Dr. Sudha Arvind	Sixth International Conference on " Soft Computing and Signal Processing(ICSCSP-2023) at MRCET, Hyderabad from June 23-24	Performance Evaluation of MFSK Techniques Under Various Fading Environments in Wireless Communication	International	2024	978-98199 9706-0	Sixth International Conference on " Soft Computing and Signal Processing(ICSCSP-2023) at MRCET, Hyderabad from June 23-24
14	S. Venkatesh	Proceedings of Fifth International Conference on Computer and Communication Technologies,	Squeeze Net-Based Model for Subject Identification from Off-Angle Iris Image	International	2023	978-93-6252-806-3	Proceedings of Fifth International Conference on Computer and Communication Technologies,

(a) Report on Patents/ copyrights/Industrial Designs:
Published: 09 (ii) Granted: 02

SN	Name of Inventors	Title	Patent Application No	Year	Status
1	Dr. Sudha Arvind	Vendors cart with solar powered Mist spraying system	406764-001	2024	Published
2	Dr. Sudha Arvind	Intelligent Device for Crime Scene Investigation	6283157	2023	Granted
3	Dr. Chilakala Sudhamani	System and method for non-repudiable monitoring of Sound level	202441032910	2024	Published
4	Dr. K Bharath Kumar	Renewable method of charging the Laptops by Piezoelectricity.	202341042342 A	2023	Published
5	Dr. K Bharath Kumar	Crime Data Analysis Using Various Machine Learning Models	202341055857 A	2023	Published
6	Dr. K Bharath Kumar	Enhancing the power by reducing the harmonics in grid connected inverters using deep learning technique	202441002428 A	2024	Published
7	Dr. K Bharath Kumar	IoT based crop monitoring method using smart device with machine learning technique to assist the	202441021672 A	2024	Published

		agriculture industry			
8	Dr. Suraya Mubeen	ML based robot for determining Crop yield	388659-001	2023	Published
9	Dr. Suraya Mubeen	An analysis of the use of tail risk hedging strategies in financial Applications	202341090044 A	2024	Published
10	Dr. Suraya Mubeen	Wireless Charging Pad with Multiple Device Support	6352310	2024	Granted
11	K. Prasanna Kumari	IoT and cloud based smart agriculture device to detect flames using WSN And image processing techniques	202441028695 A	2024	Published