



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

R&D data as per NBA

CAY (2024-25)

Name of the Faculty	Title of the Paper	SDG Address	SCI/ SCOPUS/ Conference
Dr. K. Ashoka Reddy	1. K. S. Basavaraju, T. K. Kumar, and K. A. Reddy, "Vibroarthrographic Signal Classification for Knee Joint Disorder Detection using Tunable Q-factor Wavelet Transform based on Entropy Measures", <i>Eng. Technol. Appl. Sci. Res.</i> , vol. 15, no. 1, pp. 19953–19958, Feb. 2025. (Scopus)	SDG 3 Good health and Well being	SCOPUS
Dr. K. Ashoka Reddy	2. Basavaraju, K. S., Kumar, T. K., & Reddy, K. A. (2025). Analysis of Vibroarthrographic Signals for Knee Abnormality Detection Using FBSE-EWT Hierarchical Frequency Zone Clustering Approach. <i>IETE Journal of Research</i> , 1–16. https://doi.org/10.1080/03772063.2025.2465897 , Feb.2025(SCIE)	SDG 3 Good health and Well being	SCI
Dr. K. Ashoka Reddy	3. Boddu, R.D., Komalla, A.R. Energy Efficient Hybrid Led Luminary Illumination Control Mechanisms. <i>Wireless Pers Commun</i> 139, 1375–1391 (2024). https://doi.org/10.1007/s11277-024-11618-x (SCI)	SDG9 Industry, Innovation & Infrastructure	SCI
Dr. G. Raghotham Reddy	1. Srividya, K., Reddy, G.V., Bakki, V., Adilakshmi, T. (2025). AI-Based Bone Cancer Detection Using Image Processing and CNN. In: Pareek, P., Mishra, S., Reis, M.J.C.S., Gupta, N. (eds) <i>Cognitive Computing and Cyber Physical Systems. IC4S 2024. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering</i> , vol 598. Springer, Cham. https://doi.org/10.1007/978-3-031-77078-4_23	SDG 3 Good health and Well being	Conference
Dr. G. Raghotham Reddy	1. Saravanan, A., Arunachalam, P., Reddy, G.R., Vijayan, V. (2024). Development of MnO ₂ /rGO composite electrodes for enhanced electrochemical supercapacitor performance. <i>Journal of New Materials for Electrochemical Systems</i> , Vol. 27, No. 3, pp. 208-214. https://doi.org/10.14447/jnmes.v27i3.a06 (SCIE)	SDG7 Affordable & Clean Energy	SCI
Dr. G. Raghotham Reddy	2. Vidhya, S., Wekalao, J. & Reddy, G.R. AI-Enhanced Glucose Detection Using a Circular based SPR Biosensor with Graphene-Mxene-Au-Architecture. <i>Plasmonics</i> (2025). https://doi.org/10.1007/s11468-025-03105-1 (SCIE)	SDG 3 Good health and Well being	SCI

Dr. G. Raghotham Reddy	4. Kavitha, D. ., Shobana, S. ., Rajkumar, S. ., Reddy, G. R. ., Babu P., R. ., & Mukherjee, P. . (2023). Hyperspectral Image Classification Using Dimensionality Reduction Deep Networks. International Journal of Intelligent Systems and Applications in Engineering, 12(7s), 81–86. Retrieved from https://www.ijisae.org/index.php/IJISAE/article/view/4035	SDG 3 Good health and Well being	SCOPUS
Dr. B. Ramadevi	1. B. Rama Devi, Rohit Sanam, Sai Sharan K, et.al, “Decoding the Eye: AI-Driven Diabetic Retinopathy Classification for Precision Healthcare”, 2024 International Conference on Integrated Circuits, Communication, and Computing Systems (ICIC3S).	SDG 3 Good health and Well being	Conference
Dr. B. Ramadevi	1. Boddu, R.D., Komalla, A.R. Energy Efficient Hybrid Led Luminary Illumination Control Mechanisms. Wireless Pers Commun 139, 1375–1391 (2024). https://doi.org/10.1007/s11277-024-11618-x (SCI)	SDG 3 Good health and Well being	SCI
Smt. A. Vijaya	1. A. Vijaya, V S S N Srinivasa Baba, “Design of Nonstandard Waveguide Slot Array Antenna for High-Power Applications”, Transactions on Emerging Telecommunications Technologies, Dec-2024, https://doi.org/10.1002/ett.70040 (Scopus)	SDG11 Sustainable Cities & Communities	SCI
Dr. M. Raju	1. R. Ravula, E. K. Kumari and M. Raju, "Design and Parametric Analysis of Volumetric SIW Antenna Embedded with Parasitic Elements for C,X Band Applications," 2024 International Conference on System, Computation, Automation and Networking (ICSCAN), PUDUCHERRY, India, 2024, pp. 1-6, doi:10.1109/ICSCAN62807.2024.10894612.	SDG11 Sustainable Cities & Communities	Conference
Dr. M. Raju	1. .Santhosh Kumar, V.P. Sakthivel , Manda Raju and P.D. Sathya,” Optimized brain tumor analysis in FLAIR-MRI LGG images: leveraging transfer learning and optimization for enhanced diagnosis and localization”, International Journal of Advanced Technology and Engineering Exploration, Vol 11(116), ISSN (Print): 2394-5443 ISSN (Online): 2394-7454, http://dx.doi.org/10.19101/IJATEE.2023.10102420 (Scopus)	SDG 3 Good health and Well being	SCOPUS
Dr. V. Venkateshwar Reddy	1. V. Venkateshwar Reddy, Suman Nelaturi, Rama Sanjeev B R, Sulakshana N, “Meta-Material Inspired Circularly Polarized Semi-Circled Fractal Boundary Antenna for Broadband and Multiband Applications” Microwave Review December 2024, Vol. 30, No. 2, pp. 15-22 DOI: 10.18485/mtts_mr.2024.30.2.2. (Scopus)	SDG11 Sustainable Cities & Communities	SCOPUS
Dr. S. Umamaheshwar	1. Soma, U. Transistor Evolution: A Comprehensive Overview from TFT to TFET and Beyond. Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. 95, 113–125 (2025). https://doi.org/10.1007/s40010-025-00915-0 (Scopus)		SCOPUS
Dr. J. Tarun Kumar	1. T. K. Juluru, J. Mary Golamari, S. Chitti, B. Rushikesh, M. Tharun and R. Rao P, "Human-Computer Interaction in Audio Systems: An IoT-Based Gesture Control Approach," 2025 7th International Conference on Inventive Material Science and Applications (ICIMA), Namakkal, India, 2025, pp. 795-802, doi: 10.1109/ICIMA64861.2025.11073983.	SDG9 Industry, Innovation & Infrastructure	Conference

Dr. J. Tarun Kumar	2. S. Chitti, D. R. Rinku, T. K. Juluru, R. R. P, R. B and V. S. B, "Smart IoT-Enabled Monitoring and Adaptive Waste Collection System for Sustainable Urban Management," <i>2025 7th International Conference on Inventive Material Science and Applications (ICIMA)</i> , Namakkal, India, 2025, pp. 952-956, doi: 10.1109/ICIMA64861.2025.11073972.	SDG9 Industry, Innovation & Infrastructure	Conference
Dr. J. Tarun Kumar	S. Chitti, D. R. Rinku, T. K. Juluru, P. R. Rao and S. Gouthami, "Identifying Hoaxes in Fake Spotter using XG Boost Machine Learning based Classification Method," <i>2024 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)</i> , Gobichettipalayam, India, 2024, pp. 990-996, doi: 10.1109/ICUIS64676.2024.10866064.	SDG9 Industry, Innovation & Infrastructure	Conference
Dr. J. Tarun Kumar	1. Manoharan, Thiagarajan et al. Biomedical image classification using seagull optimization with deep learning for colon and lung cancer diagnosis. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , [S.l.], v. 35, n. 3, p. 1670-1679, sep. 2024. ISSN 2502-4760. doi: http://doi.org/10.11591/ijeecs.v35.i3.pp1670-1679 . (Scopus)	SDG3 Good Health and Well being	SCOPUS
Dr. J. Tarun Kumar	2. Tarun Kumar Juluru, Sridevi Chitti, Ramchandar Rao P, V Shoban Reddy, "Artificial Intelligence Analysis For Crop Survival Prediction In Smart Agriculture Using Extreme Gradient Boosting Model", STAPS Journal, Volume 11 Issue 6, June-2025, DOI: 24.20089.STAPS.2025.V11.6.01869 (Scopus)	SDG 2 Zero Hunger	SCOPUS
Dr. J. Tarun Kumar	3. Sridevi Chitti, Tarun Kumar Juluru, Ramchandar Rao P, V Shoban Reddy, "Prediction And Processing Time Analysis Of Ecg Signals Using Digital Fir Filtering With Hamming Window And Deep Learning-Based Classification Models ", Staps Journal, Volume 11 Issue 6, June-2025, Doi: 24.20089.Staps.2025.V11.6.01870 (Scopus)	SDG3 Good Health and Well being	SCOPUS
Sri. B. Komuraiah	1. B. Komuraiah, Anuradha, " Optimized Resource Management And Dynamic Routing Protocol For Wireless Sensor Networks Through Load Balancing, Packet Scheduling, And Intelligent Clustering", <i>ICARI, VOL 1, ISSUE 1, CURRENT TRENDS IN RESEARCH AND INNOVATION</i> , 2024, DOI: 10.5750/ijme.v1i1.1388 (Scopus)	SDG12 Responsible Consumption & Production	SCOPUS
Dr. A. Srinivas	Chetan Chauhan, M. Balaji, Azmeera Srinivas, Abhay Chaturvedi, Shilpa P, Mohit Tiwari, "Enhanced Cyber-Physical System Security: A Model Checking Approach Using UPPAAL for OT-Specific Applications", Vol. 10 No. 36s (2025), DOI: https://doi.org/10.52783/jisem.v10i36s.6456 (Scopus)	SDG9 Industry, Innovation & Infrastructure	SCOPUS
Dr. D. Venu	1. Shubha S , Dunde VENU , Suhasini VIJAYAKUMAR , Kiran Sree POKKULURI , B N V Narasimha RAJU, Banda SAISANDEEP, "Navigating efficiency: Evaluating wireless ad hoc network protocols with NS-3", <i>Sigma Journal of Engineering and Natural Sciences</i> , <i>Sigma J Eng Nat Sci</i> , Vol. 43, No. 3, pp. 910–921, June, 2025, DOI: 10.14744/sigma.2025.00079	SDG12 Responsible Consumption & Production	SCOPUS

Dr. R. Srikanth	1. R. Srikanth, B. Nagarjuna, K. Varshith, G. Supriya and S. P. Reddy, "Enhancing of Night Time Vehicle Images using CLAHE Method," <i>2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)</i> , Kamand, India, 2024, pp. 1-8, doi: 10.1109/ICCCNT61001.2024.10725464.	SDG9 Industry, Innovation & Infrastructure	Conference
Dr. R. Srikanth	1. Lingaiah Jada, Rangu Srikanth and Kalagadda Bikshalu, "Effective low-exposure color image enhancement based on histogram equalization with spatial contextual information", Published 21 November 2024, Eng. Res. Express 6 (2024) 045236, https://doi.org/10.1088/2631-8695/ad8988. (ESCI)	SDG3 Good Health and Well being	SCI
Dr. M. Chandrashekar	1.M. Chandrasekhar, "Design a Dual-Band with CSRR Cascaded Patch Antenna Array for Wireless Communications", <i>Progress In Electromagnetics Research C</i> , Vol.149, pp.155-163, 2 November 2024(doi:10.2528/PIERC24090602)	SDG11 Sustainable Cities & Communities	SCOPUS
Dr. K. Sowjanya	1. Kotte, S., Injeti, S.K., Thunuguntla, V.K. et al. Energy curve based enhanced smell agent optimizer for optimal multilevel threshold selection of thermographic breast image segmentation. Sci Rep 14, 21833 (2024). https://doi.org/10.1038/s41598-024-71448-6 (SCI)	SDG3 Good Health and Well being	SCI
Dr. Ch. Sridevi Reddy	1. T. K. Juluru, J. Mary Golamari, S. Chitti, B. Rushikesh, M. Tharun and R. Rao P, "Human-Computer Interaction in Audio Systems: An IoT-Based Gesture Control Approach," <i>2025 7th International Conference on Inventive Material Science and Applications (ICIMA)</i> , Namakkal, India, 2025, pp. 795-802, doi: 10.1109/ICIMA64861.2025.11073983.	SDG9 Industry, Innovation & Infrastructure	Conference
Dr. Ch. Sridevi Reddy	2. S. Chitti, D. R. Rinku, T. K. Juluru, R. R. P, R. B and V. S. B, "Smart IoT-Enabled Monitoring and Adaptive Waste Collection System for Sustainable Urban Management," <i>2025 7th International Conference on Inventive Material Science and Applications (ICIMA)</i> , Namakkal, India, 2025, pp. 952-956, doi: 10.1109/ICIMA64861.2025.11073972.	SDG9 Industry, Innovation & Infrastructure	Conference
Dr. Ch. Sridevi Reddy	3. S. Chitti, D. R. Rinku, T. K. Juluru, P. R. Rao and S. Gouthami, "Identifying Hoaxes in Fake Spotter using XG Boost Machine Learning based Classification Method," <i>2024 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)</i> , Gobichettipalayam, India, 2024, pp. 990-996, doi: 10.1109/ICUIS64676.2024.10866064.	SDG9 Industry, Innovation & Infrastructure	Conference
Dr. Ch. Sridevi Reddy	1. Tarun Kumar Juluru, Sridevi Chitti, Ramchandar Rao P, V Shoban Reddy, " Artificial Intelligence Analysis For Crop Survival Prediction In Smart Agriculture Using Extreme Gradient Boosting Model", STAPS Journal, Volume 11 Issue 6, June-2025, DOI: 24.20089.STAPS.2025.V11.6.01869 (Scopus)	SDG2 ZERO HUNGER	SCOPUS
Dr. Ch. Sridevi Reddy	2. Sridevi Chitti, Tarun Kumar Juluru, Ramchandar Rao P, V Shoban Reddy," Prediction And Processing Time Analysis Of Ecg Signals Using Digital Fir Filtering With Hamming Window And Deep Learning-Based Classification Models ", Staps Journal, Volume	SDG3 Good Health and Well being	SCOPUS

	11 Issue 6, June-2025, Doi: 24.20089.Staps.2025.V11.6.01870 (Scopus)		
Sri. V. Shobhan Reddy	1. Tarun Kumar Juluru, Sridevi Chitti, Ramchandar Rao P, V Shoban Reddy, ” Artificial Intelligence Analysis For Crop Survival Prediction In Smart Agriculture Using Extreme Gradient Boosting Model”, STAPS Journal,Volume 11 Issue 6, June-2025, DOI: 24.20089.STAPS.2025.V11.6.01869 (Scopus)	SDG2 ZERO HUNGER	SCOPUS
Sri. V. Shobhan Reddy	2. Sridevi Chitti, Tarun Kumar Juluru, Ramchandar Rao P, V Shoban Reddy, ” Prediction And Processing Time Analysis Of Ecg Signals Using Digital Fir Filtering With Hamming Window And Deep Learning-Based Classification Models ”, Staps Journal,Volume 11 Issue 6, June-2025, Doi: 24.20089.Staps.2025.V11.6.01870 (Scopus)	SDG3 Good Health and Well being	SCOPUS
Sri. P. Ramchandar Rao	1. Tarun Kumar Juluru, Sridevi Chitti, Ramchandar Rao P, V Shoban Reddy, ” Artificial Intelligence Analysis For Crop Survival Prediction In Smart Agriculture Using Extreme Gradient Boosting Model”, STAPS Journal,Volume 11 Issue 6, June-2025, DOI: 24.20089.STAPS.2025.V11.6.01869 (Scopus)	SDG2 ZERO HUNGER	SCOPUS
Sri. P. Ramchandar Rao	2. Sridevi Chitti, Tarun Kumar Juluru, Ramchandar Rao P, V Shoban Reddy, ” Prediction And Processing Time Analysis Of Ecg Signals Using Digital Fir Filtering With Hamming Window And Deep Learning-Based Classification Models ”, Staps Journal,Volume 11 Issue 6, June-2025, Doi: 24.20089.Staps.2025.V11.6.01870 (Scopus)	SDG3 Good Health and Well being	SCOPUS
Sri. P. Ramchandar Rao	1. T. K. Juluru, J. Mary Golamari, S. Chitti, B. Rushikesh, M. Tharun and R. Rao P, "Human-Computer Interaction in Audio Systems: An IoT-Based Gesture Control Approach," <i>2025 7th International Conference on Inventive Material Science and Applications (ICIMA)</i> , Namakkal, India, 2025, pp. 795-802, doi: 10.1109/ICIMA64861.2025.11073983.	SDG9 Industry, Innovation & Infrastructure	CONFERENCE
Sri. P. Ramchandar Rao	2. S. Chitti, D. R. Rinku, T. K. Juluru, R. R. P, R. B and V. S. B, "Smart IoT-Enabled Monitoring and Adaptive Waste Collection System for Sustainable Urban Management," <i>2025 7th International Conference on Inventive Material Science and Applications (ICIMA)</i> , Namakkal, India, 2025, pp. 952-956, doi: 10.1109/ICIMA64861.2025.11073972.	SDG9 Industry, Innovation & Infrastructure	CONFERENCE
Sri. P. Ramchandar Rao	3. S. Chitti, D. R. Rinku, T. K. Juluru, P. R. Rao and S. Gouthami, "Identifying Hoaxes in Fake Spotter using XG Boost Machine Learning based Classification Method," <i>2024 4th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)</i> , Gobichettipalayam, India, 2024, pp. 990-996, doi: 10.1109/ICUIS64676.2024.10866064.	SDG9 Industry, Innovation & Infrastructure	CONFERENCE

CAY-1 (2023-24)

S.No.	Name of the Faculty	Title of the Paper	SDG Address	SCI/ SCOPUS/ Conference
1	Dr. K. Ashoka Reddy	1. Rao Bondala Venumaheswar, Krishna Ette Hari, Reddy Komalla Ashoka, "Wavelet transform generated inherent noise reference for adaptive filtering to de-noise pulse oximeter signals", Serbian Journal of Electrical Engineering, 2024, Volume. 21, issue 2, Pages 251-273. DOI: https://doi.org/10.2298/SJEE2402251R	SDG3 Good Health and Well being	SCI
2	Dr. K. Ashoka Reddy	2. K. Ashoka Reddy, E. Hari Krishna. On the performance of Hirschman Optimal Transform Pre-coded UPMC for reduction of PAPR. Advance. January 31, 2024. DOI: 10.22541/au.170670588.88488095/v1	SDG11 Sustainable cities and Communities	SCI
3	Dr. K. Ashoka Reddy	3. Madhav, K.V., Krishna, E.H. & Reddy, K.A. Improved Bivariate-VAR Model for Extraction of Respiratory Information from Artifact Corrupted ECG and PPG Signals. New Gener. Comput. 42, 859-877 (2024). https://doi.org/10.1007/s00354-024-00265-2	SDG3 Good Health and Well being	SCI
4	Dr. G. Raghotham Reddy	1. Siripuri Kiran, Ganta Raghotham Reddy, Girija S.P., Venkatramulu S, Kumar Dorthi, Chandra Shekhar Rao V, "A Gradient Boosted Decision Tree with Binary Spotted Hyena Optimizer for cardiovascular disease detection and classification", in Healthcare Analytics, Volume 3, 2023, 100173, ISSN 2772-4425, https://doi.org/10.1016/j.health.2023.100173 . (SCopus)	SDG3 Good Health and Well being	SCOPUS
5	Dr. G. Raghotham Reddy	2. Yesudasu Vasimalla; Shivam Singh; Ganta Raghotham Reddy; Rajeev Kumar; Suman Maloji; Santosh Kumar, "Titanium Dioxide-Graphene-Black Phosphorus-Based SPR Sensor for Helicobacter Pylori Bacteria Detection."	SDG3 Good Health and Well being	SCI

		IEEE Sensors Journal (2024).DOI:10.1109/JSEN.2024.3409535 (SCI)		
6	Dr. G. Raghotham Reddy	3. GantaRaghotham Reddy, S.P.Girija, Azmeera Srinivas, Vineeth Bhupati, Kama Ramudu, "Enhancement and Segmentation of Low-Light Images Using Illumination Map Estimation based Level Set (IME-LS) Method", International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 9 DOI: https://doi.org/10.17762/ijritcc.v11i9.9904 (Scopus)	SDG3 Good Health and Well being	SCOPUS
7	Dr. G. Raghotham Reddy	4. Kavitha, D. ., Shobana, S. ., Rajkumar, S. ., Reddy, G. R. ., Babu P., R. ., & Mukherjee, P. . (2023). Hyperspectral Image Classification Using Dimensionality Reduction Deep Networks. International Journal of Intelligent Systems and Applications in Engineering, 12(7s), 81-86. Retrieved from https://www.ijisae.org/index.php/IJISAE/article/view/4035	SDG4 Quality Education	SCOPUS
1	Dr. G. Raghotham Reddy	Madhu KA, Rajakumara HN, Kangda MZ, Girija SP, Reddy GR, Wodajo AW. Evaluation of optimal route selection for public transport network routes on urban roads using Fuzzy-TOPSIS method. Engineering Reports. 2024; 6(6):e12794. doi: 10.1002/eng2.12794	SDG11 Sustainable cities and Communities	SCOPUS
3	Dr. B. Ramadevi	Rama Devi Boddu, Vijaya Lakshmi Meeniga, and Vijaya Lakshmi Maddala, "Authentic User Light Intensity Control for Outdoor Application," International Journal of Intelligent Systems and Applications In Engineering, Vol.12(10s), pp.37-44, 2024 https://www.ijisae.org/index.php/IJISAE/article/view/4347 (Scopus)	SDG7 Affordable and Clean Energy	SCOPUS

4	Dr. B. Ramadevi	4. Boddu, R.D., Ragam, P., Pendhota, S.P., Goni, M., Indrala, S., Badavath, U.R. (2023). IoT-Based Smart Agricultural Monitoring System. In: Reddy, K.A., Devi, B.R., George, B., Raju, K.S., Sellathurai, M. (eds) Proceedings of Fourth International Conference on Computer and Communication Technologies. Lecture Notes in Networks and Systems, vol 606. Springer, Singapore. https://doi.org/10.1007/978-981-19-8563-8_36 , pp. 377-385.(IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022)	SDG2 Zero Hunger	Conference
5	Dr. S. P. Girija	5. G. R. Reddy, A. Srinivas, S. P. Girija and R. N. Devi, "Enhancement of Images Using Optimized Gamma Correction with Weighted Distribution Via Differential Evolution Algorithm," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-5, doi: 10.1109/ICEEICT53079.2022.9768470.	SDG 3 Good health and well being	Conference
6	Dr. S. P. Girija	1. Sakthi, U., Alasmari, A., Girija, S.P. <i>et al.</i> Smart Healthcare Based Cyber Physical System Modeling by Block Chain with Cloud 6G Network and Machine Learning Techniques. <i>Wireless Pers Commun</i> (2024). https://doi.org/10.1007/s11277-024-11243-8	SDG 9 Industry, Innovation and infrastructure	SCI
	Dr. S. P. Girija	2. Siripuri Kiran, GantaRaghotham Reddy, Girija S.P., Venkatramulu S, Kumar Dorthi, Chandra Shekhar Rao V, "A Gradient Boosted Decision Tree with Binary Spotted Hyena Optimizer for cardiovascular disease detection and classification", in Healthcare Analytics, Volume 3, 2023, 100173, ISSN: 2772-4425, https://doi.org/10.1016/j.health.2023.100173 (Scopus)	SDG3 Good Health and Well being	SCOPUS

	Dr. S. P. Girija	3. Ganta Raghotham Reddy, S.P.Girija, Azmeera Srinivas, Vineeth Bhupati, Kama Ramudu, "Enhancement and Segmentation of Low-Light Images Using Illumination Map Estimation based Level Set (IME-LS) Method", International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 9 DOI: https://doi.org/10.17762/ijritcc.v11i9.9904 (Scopus)	SDG3 Good Health and Well being	SCOPUS
	Dr. S. P. Girija	Madhu KA, Rajakumara HN, Kangda MZ, Girija SP, Reddy GR, Wodajo AW. Evaluation of optimal route selection for public transport network routes on urban roads using Fuzzy-TOPSIS method. Engineering Reports. 2024; 6(6):e12794. doi: 10.1002/eng2.12794	SDG11 Sustainable cities and Communities	SCOPUS
12	Dr. V. Venkateshwar Reddy	1. V. Venkateshwar Reddy, "A COMPACT 1×2 MIMO ELLIPTICAL PATCH ANTENNA FOR 5G 3.5GHz APPLICATIONS," Telecommunications and Radio Engineering, Vol. 82, issue No. 12, pp. 21-30, 2023, ISSN: 0040-2508(Scopus) DOI: 10.1615/TelecomRadEng.2023047579	SDG 9 Industry,Innovation and infrastructure	SCOPUS
	Dr. V. Venkateshwar Reddy	2. A. Rijuvana Begum, M. S. Divya Rani, V. Venkateshwar Reddy, B. Siva Kumar Reddy & Biroju Papachari , "Experimental testing and analysis of regression algorithms for spectrum sensing in cognitive radio networks", Wireless Networks https://doi.org/10.1007/s11276-024-03750-0 ISSN: 1572-8196,	SDG 9 Industry,Innovation and infrastructure	SCOPUS
	Dr. K. Ramudu	1. Ramudu, K., Bansal, S.K., Shahnazeer, C. et al. 6G Cyber Physical System Based Smart Healthcare Modelling by Mobile Edge Network and Artificial Intelligence. Wireless Pers Commun (2024). https://doi.org/10.1007/s11277-024-11137-9 (SCI)	SDG11 Sustainable cities and Communities	SCI

	Dr. K. Ramudu	GantaRaghotham Reddy, S.P.Girija, Azmeera Srinivas, Vineeth Bhupati, Kama Ramudu, "Enhancement and Segmentation of Low-Light Images Using Illumination Map Estimation based Level Set (IME-LS) Method", International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 9 DOI: https://doi.org/10.17762/ijritcc.v11i9.9904 (Scopus)	SDG 3 Good health and well being	SCOPUS
	Dr. S. Umamaheshwar	1. Soma Umamaheshwar "Enhancing AlGaIn/GaN HEMT Performance through Gate-All-Around AlN Passivation: A Comparative Study with a Planar MIS-HEMT", Journal of Electronic Materials, Springer, 2024. DOI: https://doi.org/10.1007/s11664-024-10940-1	SDG 9 Industry, Innovation and infrastructure	SCI
	Dr. S. Umamaheshwar	M. V. Ganeswara Rao N.Ramanjaneyulu Balamurali Pydi Umamaheshwar Soma K. Rajesh Babu SattiHarichandraPrasad "Enhancing Performance of Dual-Gate FinFET with High-K Gate Dielectric Materials in 5 nm Technology: A Simulation Study", Transactions on Electrical and Electronic Materials, Springer, 2023. DOI: https://doi.org/10.1007/s42341-023-00473-5 (SCI)	SDG 9 Industry, Innovation and infrastructure	SCI
14	Dr. J. Tarun Kumar	1. Shrikant Upadhyay, Tarun Kumar Juluru, Pooja V.Deshmukh, Aarti Prasad Pawar, Snehal Chandrakant Mane, Charanjeet Singh, Anurag Shrivastava, "Machine Learning-Based Beamforming Algorithm for Massive MIMO Systems in 5G Networks", J.ElectricalSystems20-3s(2024):Vol: 20 No.3s, pp971-979. DOI: https://doi.org/10.52783/jes.1411 (Scopus)	SDG 9 Industry, Innovation and infrastructure	SCOPUS
15	Dr. J. Tarun Kumar	2. Sridevi Chitti, J. Tarun Kumar, P. Ramchandrarao, R. Archana Reddy, "Evaluating the Accuracy of Image Processing Based Artificial Intelligence	SDG 3 Good health and well being	SCOPUS

		Models”, African Journal of Biological Sciences, ISSN: 2663-2187, Vol:6, Issue:11, June-2024, https://doi.org/10.48047/AFJBS.6.11.2024.50-62 (Scopus)		
	Dr. J. Tarun Kumar	3. Tarunkumarjuluru, E.Kumaraswamy, Sridevi Chitti, TejaSirapu, 5Kommabatla Mahender, “Customized Deep Neural Network for Brain Tumor Identification and Segmentation Using Biomedical Images”, African Journal of Biological Sciences, ISSN: 2663-2187, Vol:6, Issue:10, June-2024, doi.org/10.33472/AFJBS.6.10.2024. 5515-5526(Scopus)	SDG 3 GooD health and well being	SCOPUS
16	Sri. B. Komuraiah	1. Komuraiah and M. S. Anuradha, “A New TrustBased Optimal Stochastic Data Scheduling for Wireless Sensor Networks” Peer-to-Peer Networking and Applications (2024) 17:176-199 (SCI) https://doi.org/10.1007/s12083-023-01582 .	SDG 9 Industry,Innovation and infrastructure	SCI
18	Sri. A. Srinivas	1. A. Srinivas, “Segmentation of Mammogram Images Using Optimized Kernel Fuzzy AGCWD Based Level Set Method”, International Journal of Image, Graphics and Signal Processing (IJIGSP), 2024, 3, 64-82, DOI: 10.5815/ijigsp.2024.03.06(Scopus)	SDG 3 GooD health and well being	SCOPUS
	Sri. A. Srinivas	2. Ganta Raghotham Reddy, S.P.Girija, Azmeera Srinivas, Vineeth Bhupati, Kama Ramudu, “Enhancement and Segmentation of Low-Light Images Using Illumination Map Estimation based Level Set (IME-LS) Method”, International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 9 DOI: https://doi.org/10.17762/ijritcc.v11i9.9904 (Scopus)	SDG 3 GooD health and well being	SCOPUS

19	Dr. B. Dhanalaxmi	1. R. Vidhya, Dhanalaxmi Banavath, S. Kayalvili, Swarna Mahesh Naidu, V. Charles Prabu, D. Sugumar, R. Hemalatha, S. Vimal and R.G. Vidhya "Alzheimer's disease detection using residual neural network with LSTM hybrid deep learning models" Journal of Intelligent & Fuzzy Systems, pp. 12095-12109, 2023 DOI: 10.3233/JIFS-235059 (SCI)	SDG 3 Good health and well being	SCI
25	Dr. K. Sowjanya	1. Sowjanya Kotte and Satish Kumar Injeti "Optimal Configuration of IOT Cluster with Full Connectivity with Minimum Transmission Power Using SA and BO Algorithms", CRC Press Taylor & Francis, pp.35-51, 2024. https://doi.org/10.1201/9781003364856 (Scopus)	SDG 7 Affordable and Clean Energy	SCOPUS
	Dr. K. Sowjanya	2. Satish Kumar Injeti, Kotte Sowjanya, "Investigation of Hybrid Constriction Coefficient Particle Swarm Optimization Based Butterfly Optimization Algorithm for a Minimum Transmission Power IOT Cluster with Full Connectivity," Journal of Institute of Engineers (India)-Series B , Vol. 104, Issue-3, 2250-2114, June 2023 DOI: https://doi.org/10.1007/s40031-023-00905-z	SDG 7 Affordable and Clean Energy	SCOPUS
	Dr. K. Sowjanya	3. Mounika Bhukya, Satish Kumar Injeti, Rakesh Pal Ogirala, Sowjanya Kotte "Real-Time Simulation and Validation of Interconnected Microgrid Load Frequency Control With Uncertainties Using PDN-IAD _μ Controller Based on Improved Smell Agent Optimization", IEEE Trans. Industrial Informatics, pp: 1 - 11, February 2024. DOI: 10.1109/TII.2024.3353825 (SCI)	SDG 7 Affordable and Clean Energy	SCI
	Dr. K. Sowjanya	4. Venkateshwar Reddy Gatla, Satish Kumar Injeti, Sowjanya Kotte, PK Polamarasetty, RSS Nuvvula, "An Effective Approach for Extracting the Parameters of Solar PV Models Using the Chaotic War Strategy Optimization	SDG11 Sustainable cities and Communities	SCI

		Algorithm With Modified Newton Raphson Method", IEEE Journal of the Electron Devices Society, 2023		
26	Dr. Ch. Sridevi Reddy	1. Sridevi Chitti, J. Tarun Kumar, P. Ramchandar Rao, R. Archana Reddy, "Evaluating the Accuracy of Image Processing Based Artificial Intelligence Models", African Journal of Biological Sciences, ISSN: 2663-2187, Vol:6, Issue:11, June2024,(Scopus) https://doi.org/10.48047/AFJBS.6.11.2024.50-62	SDG 3 Good health and well being	SCOPUS
27	Dr. Ch. Sridevi Reddy	2. Tarunkumarjuluru, E.Kumaraswamy, Sridevi Chitti, TejaSirapu, 5Kommabatla Mahender, "Customized Deep Neural Network for Brain Tumor Identification and Segmentation Using Biomedical Images", African Journal of Biological Sciences, ISSN: 2663-2187, Vol:6, Issue:10, June-2024, https://doi.org/10.33472/AFJBS.6.10.2024.5515-5526 (Scopus)	SDG 3 Good health and well being	SCOPUS
28	Sri. P. Yugander	Yugander, P., Jagannath, M., &Nathiya, N. (2023). Analyzing Brain Tumor from Structural MR Images Using Kernel Support Vector Machine and Principal Component Analysis. SN Computer Science, 4(6), 726. DOI:10.1007/s42979-023-02208-y (Scopus)	SDG 3 Good health and well being	SCOPUS
33	Sri. P. Ramchandar Rao	Sridevi Chitti, J. Tarun Kumar, P. Ramchandar Rao, R. Archana Reddy, "Evaluating the Accuracy of Image Processing Based Artificial Intelligence Models", African Journal of Biological Sciences, ISSN: 2663-2187, Vol:6, Issue:11, June2024, (Scopus) https://doi.org/10.48047/AFJBS.6.11.2024.50-62	SDG3 Good Health and Well being	SCOPUS
36	Dr. G. Raghotham Reddy	1. P. Shivachandana, B. Rushikesh, G. R. Reddy and K. Ramudu, "An Optimized Segmentation of Images using Modified Level Set Method," 2024 15th International	SDG3 Good Health and Well being	CONFERENCE

		Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024, pp. 1-6, doi: 10.1109/ICCCNT61001.2024.10724389.		
37	Smt A. Vijaya	Smt. A. Vijaya, S. Rithesh, K. Yagnith, Ch. Chethan, P. Deekshith, "MICROSTRIP PATCH ANTENNA LOADED WITH FERRITE FILMS FOR UMTS APPLICATIONS", JOURNAL PUNJAB ACADEMY OF SCIENCES (Peer Reviewed Open Access Journal) JPAS, 23: 80-84 (January-December, 2023), ISSN 2229-7014(Scopus)	SDG 7 Affordable and Clean Energy	CONFERENCE
38	Dr.M.Raju	1. Dr. M. Raju, "IoT based Crop Recommendation System using Machine Learning for Smart Agriculture", International Conference on Emerging Trends in Engineering (ICETE 2023), OU, Hyderabad, https://doi.org/10.2991/978-94-6463-252-1_90	SDG 2 Zero Hunger	CONFERENCE
39	Dr.M.Raju	2. Dr. M. Raju, "Exploring the Superior Performance of NOMA: A Comparative Study of Wireless Communication Techniques", Third International Conference on Secure Cyber Computing and Communication (ICSCCC), DOI: 10.1109/ICSCCC58608.2023.10176387.	nil	CONFERENCE
42	Dr. K. Ramudu	1. K. Ramudu, P. S. Chandana, S. P. Girija, G. R. Reddy, A. Srinivas and R. Nirmala Devi, "PSO with Constriction Coefficient and EPFCM Clustering Based Segmentation of Medical Images Using Level Set Method," 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), Bhopal, India, 2024, pp. 1-8, doi: 10.1109/SCEECS61402.2024.10481998.	SDG3 Good Health and Well being	CONFERENCE
43	Dr. K. Ramudu	2. Kama, Ramudu & Teja, Billakanti & Thriveni, Sangati & Stinivas, Azmeera. (2024). Optimized Gamma Corrected Sigmoid Function (OGC-SF)	NIL	CONFERENCE

		Based Contrast Enhancement For Medical Images. 1-5. 10.1109/ICCCNT61001.2024.10724805.		
	Dr. K. Ramudu	3. P. Shivachandana, B. Rushikesh, G. R. Reddy and K. Ramudu, "An Optimized Segmentation of Images using Modified Level Set Method," 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024, pp. 1-6, doi: 10.1109/ICCCNT61001.2024.10724389.	SDG3 Good Health and Well being	CONFERENCE
44	Dr. S. Umamaheshwar	1. V. Priyanka Brahmaiah, Aruru Sai Kumar, S. Siva Priyanka, Umamaheshwar Soma, B. Chandra babu, "An Efficient Approach for Denoising ECG Signal using 4-Tap FIR Filter", Published in: 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Conference Location: Delhi, India, Date of Conference: 06-08 July 2023, Publisher: IEEE, DOI: 10.1109/ICCCNT56998.2023.10307017, e- ISBN:979-8-3503-3509-5, Print on Demand(PoD) ISBN:979-8-3503-3510-1, e- ISSN: 2473-7674, , November 2023	SDG3 Good Health and Well being	CONFERENCE
44	Dr. S. Umamaheshwar	2. ThotapallyRoshini, Sonnaila Kalyani, Polam Pavan, MaringantiVaibhavaPraneeth, Soma Umamaheshwar, "Channel Estimation in Broadband MIMO Systems", Published in: 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Conference Location: Delhi, India, Date of Conference: 06-08 July 2023, Publisher: IEEE, DOI: 10.1109/ICCCNT56998.2023.10307167, e- ISBN:979-8-3503-3509-5, Print on Demand(PoD) ISBN:979-8-3503-3510-1, e- ISSN: 2473-7674, November 2023.	SDG 9 Industry,Innovation and infrastructure	CONFERENCE

44	Dr. S. Umamaheshwar	PulluriKeerthana, KokkiralAnvesh, Vishnu Sai Sarva, BairiSupraja, Soma Umamaheshwar, "Uplink MU-MIMO Systems with Low Complexity ZF and MMSE Detectors for Time-Varying Active Users", Published in: 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Conference Location: Delhi, India, Date of Conference: 06-08 July 2023, Publisher: IEEE, DOI: 10.1109/ICCCNT56998.2023.10308400, e- ISBN:979-8-3503-3509-5, Print on Demand(PoD) ISBN:979-8-3503-3510-1, e- ISSN: 2473-7674, November 2023	SDG 9 Industry,Innovation and infrastructure	CONFERENCE
47	Sri. B. Komuraiah	Komuraiah, Navya Bollena, B.Jahnvitha, "Enhanced Lifetime with less energy consumption in WSN Using a Genetic Algorithm-based approach," IEEE - 56998 14th ICCCNT IEEE Conference July 6-8, 2023 IIT - Delhi, Delhi, India.	SDG 7 Affordable and Clean Energy	CONFERENCE
48	Sri. A. Srinivas	Kama, Ramudu & Teja, Billakanti & Thriveni, Sangati & Stinivas, Azmeera. (2024). Optimized Gamma Corrected Sigmoid Function (OGC-SF) Based Contrast Enhancement For Medical Images. 1-5. 10.1109/ICCCNT61001.2024.10724805	SDG 3 Good health and well being	CONFERENCE
51	Dr. R. Srikanth	R. Srikanth, B. Nagarjuna, K. Varshith, G. Supriya and S. P. Reddy, "Enhancing of Night Time Vehicle Images using CLAHE Method," 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024, pp. 1-8, doi: 10.1109/ICCCNT61001.2024.10725464.	SDG 9 Industry,Innovation and infrastructure	CONFERENCE
52	Sri. P. Chiranjeevi	C. Pudari, B. Nistala and S. K. Tumma, "Fractal Geometry-Based On-Chip Inductors for High-Frequency Applications: A Review," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-4, doi:	SDG7 Affordable and Clean Energy	CONFERENCE

		10.1109/ICCCNT56998.2023.10307356.		
	Sri. J. Sheshagiri Babu	S. B. Jimmidi, S. Galingula, A. Akki, S. Guntha and S. Peetla, "Removal of Ocular Artifacts from EEG using Adjust Based ICA and Regression Algorithm," 2023 International Conference on Sustainable Emerging Innovations in Engineering and Technology (ICSEIET), Ghaziabad, India, 2023, pp. 219-224, doi: 10.1109/ICSEIET58677.2023.10303404.	SDG3 Good Health and Well being	CONFERENCE
53	Dr. K. Sowjanya	Lakshmi Kiranmai. V, Kota Naga SrinivasaraoBatta, Sowjanya Kotte, "Evaluation of 3D-Diamond Mesh Homogeneous and Heterogeneous Architectures," TENCON 2023 - 2023 IEEE Region 10 Conference (TENCON),pp:1293 - 1298, November 2023.	SDG 9 Industry,Innovation and infrastructure	CONFERENCE
55	Dr. Ch. Sridevi Reddy	1. Sridevi Chitti, Sreeja Reddy Nandikonda, SatwikaKancha, SathishGollena, SuchithJannu, "Design and Implementation of Low Power, High SpeedFlash ADC using Double Tail Comparator",International Conference on Inventive Computation Technologies (ICICT 2024),979-8-3503-5929-9/24/\$31.00 ©2024 IEEE	SDG 9 Industry,Innovation and infrastructure	CONFERENCE
56	Dr. T. Sunil Kumar	1. R. Laxman, V. Supriya, P. Sravika, C. A. Kumar and T. S. Kumar, "High Q-Factor Multipath Spiral Inductor for Microwave Applications," 2023 4th International Conference for Emerging Technology (INCET), Belgaum, India, 2023, pp. 1-5, doi: 10.1109/INCET57972.2023.10170593.	SDG 7 Affordable and Clean Energy	CONFERENCE
57	Dr. T. Sunil Kumar	C. Pudari, B. Nistala and S. K. Tumma, "Fractal Geometry-Based On-Chip Inductors for High-Frequency Applications: A Review," 2023 14th International Conference on Computing Communication and	SDG 7 Affordable and Clean Energy	CONFERENCE

		Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-4, doi: 10.1109/ICCCNT56998.2023.10307356.		
	MD. Abdul Muqueem	Abdul Muqueem, Shankysaxena, Govind Singh Patel, "Design of Fractional-NPLL for low phase noise", AIP Conf. Proc. 3072, 030006 (2024). https://doi.org/10.1063/5.0198647	SDG7 Affordable and Clean Energy	CONFERENCE
	Sri. Ch. Pavan Kumar	Ch. Pavan Kumar, K.Sivani "Double Gate TFET Simulation with Different Gate Oxides and Thickness" IEEE 14th International Conference on Computing Communication and Networking Technologies (ICCCNT),06-08 July 2023,Delhi, India.	SDG3 Good Health and Well being	CONFERENCE
58	Sri. P. Ramchandar Rao	1. Ch. Rajendra Prasad ; P. Ramchandar Rao; Ch. Bhavani; K. Sriya; P. Vyshnavi; Srinivas Samala, "Cost effective portable traffic light system using Esp32", AIP Conf. Proc. 3072, 050012 (2024) https://doi.org/10.1063/5.0198889	SDG 7 Affordable and Clean Energy	CONFERENCE
59	Sri. P. Ramchandar Rao	2. Srinivas Samala;Ch. Rajendra Prasad;Sreedhar Kollem;Srikanth Yalabaka;P. Ramchandar Rao, "A study on energy efficiency of a wireless communication system", International Conference on Research in Sciences, Engineering & Technology , Volume 2971, Issue 1, 5 June 2024, AIP Conf. Proc. 2971, 030007 (2024), https://doi.org/10.1063/5.0195866	SDG 7 Affordable and Clean Energy	CONFERENCE
60	Sri. P. Ramchandar Rao	3. Ch. Rajendra Prasad; Srikanth Yalabaka; Sreedhar Kollem; Srinivas Samala; P. Ramchandar Rao, "Farmer friendly robotic vehicle ", International Conference on Research in Sciences, Engineering & Technology , Volume 2971, Issue 1, 5 June 2024, AIP Conf. Proc. 2971, 030009 (2024), https://doi.org/10.1063/5.0196044	SDG 7 Affordable and Clean Energy	CONFERENCE

S.No.	Name of the Faculty	Title of the Paper	SDG Address	SCI/ SCOPUS/ Conference
1	Dr. G. Raghotham Reddy	1. G. R. Reddy, A. Srinivas, S. P. Girija and R. N. Devi, "Enhancement of Images Using Optimized Gamma Correction with Weighted Distribution Via Differential Evolution Algorithm," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-5, doi:10.1109/ICEEICT53079.2022.9768470.	SDG 3 Good Health and well being	Conference
2	Dr. G. Raghotham Reddy	2. K. Ramudu, A. Srinivas, S. P. Girija and G. R. Reddy, "Segmentation of Tumors in MRI Brain Images using Modified PSO and ADF based SVM," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-6, doi:10.1109/ICEEICT53079.2022.9768621	SDG 3 Good Health and well being	Conference
3	Dr. B. Ramadevi	3. Rama Devi, B., Ragam, P., Godishala, S.P., Gandham, V.S.K.N., Panuganti, G., Annavajjula, S.S. (2023). Crop Yield Prediction Using Machine Learning Algorithms. In: Reddy, K.A., Devi, B.R., George, B., Raju, K.S., Sellathurai, M. (eds) Proceedings of Fourth International Conference on Computer and Communication Technologies. Lecture Notes in Networks and Systems, vol 606. Springer, Singapore. https://doi.org/10.1007/978-981-19-8563-8_38 , pp. 397-405 (IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022).	SDG 2 Zero Hunger	Conference
4	Dr. B. Ramadevi	4. Boddu, R.D., Ragam, P., Pendhota, S.P., Goni, M., Indrala, S., Badavath, U.R. (2023). IoT-Based Smart Agricultural Monitoring System. In: Reddy, K.A., Devi, B.R., George, B., Raju, K.S., Sellathurai, M. (eds) Proceedings of Fourth International Conference on Computer and Communication Technologies. Lecture Notes in Networks and Systems, vol 606.	SDG 2 Zero Hunger	Conference

		Springer, Singapore. https://doi.org/10.1007/978-981-19-8563-8_36 , pp. 377-385.(IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022)		
5	Dr. S. P. Girija	5. G. R. Reddy, A. Srinivas, S. P. Girija and R. N. Devi, "Enhancement of Images Using Optimized Gamma Correction with Weighted Distribution Via Differential Evolution Algorithm," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-5, doi:10.1109/ICEEICT53079.2022.9768470.	SDG 3 Good Health and well being	Conference
6	Dr. S. P. Girija	6. K. Ramudu, A. Srinivas, S. P. Girija and G. R. Reddy, "Segmentation of Tumors in MRI Brain Images using Modified PSO and ADF based SVM," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-6, doi:10.1109/ICEEICT53079.2022.9768621.	SDG 3 Good Health and well being	Conference
7	Smt.A.Vijaya	7. "Microstrip Patch Antenna loaded with Ferrite films for UMTS Applications" International Conference on Innovative Trends in Electronics Engineering, 27th April, 2023.	SDG 9 Industry, Innovation and Infrastructure	Conference
8	Dr. M. Raju	8. Siva Priyanka, M.Raju, Smitha, Lahari, Vinay, Akash Reddy, "IoT based Crop Recommendation System using Machine Learning for Smart Agriculture", International Conference on Emerging Trends in Engineering, Springer, Altantis Press, April, 2023.	SDG 2 Zero Hunger	Conference
9	Dr. M. Raju	9. M.Raju, K.Tejaswi, K.Akshaya, B.Rohith Kumar, Ch.Sravan Kumar, "Enhancing wireless data transfer unsig OFDM-IDMA approach", in AICTE, SERB-DST Sponsored IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology	SDG 9 Industry, Innovation and Infrastructure	Conference

		(5NANO 2023) held on 27 th & 28 th April, 2023, organized by VISAT Engineering College, Ernakulam, Kerala.		
10	Dr. M. Raju	10. A.Sai Kumar, V.Sathosh Kumar, V.Hindumathi, G.Shanthi, E.Vijaya Babu, M.Raju, "An Efficient AVR interfaced bluetooth controlled Robotic Car System", in 13 th International Conference on Cloud Computing, Data Science & Engineering, held on 19-20 January 2023, at Noida, India. ISBN: 978-1-6654-6263-1©2023, DOI: 10.1109/Confluence56041.2023.10048798	SDG 9 Industry, Innovation and Infrastructure	Conference
11	Dr. V. Venkateshwar Reddy	11. Venkateshwar Reddy Vedipala, Avinash Reddy Radharapu, Arun Kumar Gajula, Sivani Sivani, Akshaya Akshaya. "U-slot Loaded Half-circled Microstrip Patch Antenna Analysis using XGBoost machine learning Algorithm." In 2023 8th International Conference on Communication and Electronics Systems (ICCES), 01-03 June 2023, coimbatore, india, IEEE, 2023.	SDG 7 Affordable and Clean Energy	Conference
12	Dr. V. Venkateshwar Reddy	12. Venkateshwar Reddy Vedipala; Kandala Spandana; Rithvik Kumar Kulla; Aravind Poola; Pavani Kandhigatla. "U-slot loaded flared-U fractal Antenna analysis using ANN." In 2023 International Conference on sustainable computing and smart Systems (ICSCSS), 14-16 June 2023, Coimbatore , india, IEEE, 2023.	SDG 7 Affordable and Clean Energy	Conference
13	Dr. Umamaheshwar S.	13. Thotapally Roshini, Sonnila Kalyani, Polam Pavan, Maringanti Vaibhava Praneeth and Soma Umamaheshwar, "Channel Estimation in Broadband MIMO Systems," 14 th ICCCNT, 2023, IEEE Conference Proceedings (ACCEPTED for publication).	SDG 7 Affordable and Clean Energy	Conference
14	Dr. J. Tarun Kumar	14. J Tarun Kumar, "Smart Parking Systems", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet	SDG 11 Sustainable cities and Communities	Conference

		received).		
15	Dr. J. Tarun Kumar	15. P. Ramchander Rao, J. Tarun Kumar, Sridevi Chitti, M. Raju, "Gesture Translator for Impaired Disabled People", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 10 Reduced Inequalities	Conference
16	Sri. B. Komuraiah	16. B. Komuraiah and M. S. Anuradha, "An Energy Conservation Clustering Scheme with Compressive Sensing Scheme for WSN," 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), 23rd-24th April 2022, pp. 1-6, doi:10.1109/ICDCECE53908.2022.9793118.	SDG 7 Affordable and Clean Energy	Conference
17	Sri. B. Komuraiah	17. B. Komuraiah, T. S. Kumar, K. S. Reddy, R. Ramateja, S. Athar and T. A. Reddy, "Analysis of Microstrip Fractal Antenna with Multiband Characteristics," 2022 7th International Conference on Communication and Electronics Systems (ICCES), 22-24 June 2022, pp. 540-543, doi:10.1109/ICCES54183.2022.9836017.	SDG 7 Affordable and Clean Energy	Conference
18	Sri. B. Komuraiah	18. B. Komuraiah, T. Sushma, C. J. Priyanka, N. V. Sen and T. Vikas, "Cylindrical Dielectric Resonator Antenna design for Satellite Applications," 2022 7th International Conference on Communication and Electronics Systems (ICCES), 22nd -24th June 2022, pp. 536-539, doi: 10.1109/ICCES54183.2022.9835962.	SDG 7 Affordable and Clean Energy	Conference
19	Syed Zaheeruddin	19. Z. Syed and K. Suganthi, "Image Segmentation using Hybrid Relay Level Sets," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 322-325, doi:10.1109/ICSCCC58608.2023.10176763.	SDG 3 Good Health and well being	Conference

20	Syed Zaheeruddin	20. Z. Syed, K. Siddhartha, T. Rahul, A. Sneha, E. Jhansi and K. Suganthi, "Fuzzified Contrast Enhancement and Segmentation For Nearly Invisible Images," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 316-321, doi:10.1109/ICSCCC58608.2023.10176516.	SDG 3 Good Health and well being	Conference
21	Syed Zaheeruddin	21. Z. Syed, K. Siddhartha, T. Rahul, A. Sneha, E. Jhansi and K. Suganthi, "Fuzzified Contrast Enhancement and Segmentation For Nearly Invisible Images," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 316-321, doi:10.1109/ICSCCC58608.2023.10176516.	SDG 3 Good Health and well being	Conference
22	Dr.V.Raju	22. Delta Sigma Fractional Frequency Synthesis. (International Conference on Internet of Things, Communications, Intelligence and Computing (IC-ICC-2023) held on 5th and 6th May 2023 organized by SHRIDEVI Institute of Engineering and Technology, Hyderabad, Telangana. (Scopus) (UGC Approved Conference).	SDG 9 Industry, Innovation and Infrastructure	Conference
23	Dr. D. Venu	23. V. Dunde, A. Tabassum, N. S. Mandala, T. Jangam, J. Palnati and S. Chagondla, "Implementation of RCS for Simple and Complex Objects," 2022 <i>International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC)</i> , Hyderabad, India, 2022, pp. 1-6, doi:10.1109/ICMAACC54824.2022.10093360.	SDG 9 Industry, Innovation and Infrastructure	Conference
24	Dr Chandrasekhar M	24. Linearly Polarized Dual Band Smart Antenna for Wi-Fi and WiMAX Applications, IEEE, 2023 International Conference on signal processing , computation, electronics, power and Telecommunication (IconSCEPT-2023), NIT Puducherry, during 25-26 May, 2023.	SDG 7 Affordable and Clean Energy	Conference

25	Dr Chandrasekhar	M	25. Design of Linearly Polarized Triangular microstrip Patch Antenna for IoT Applications, IEEE, 2023 International Conference on signal processing , computation, electronics, power and Telecommunication(IConSCEPT-2023),NIT Puducherry, during 25-26 May,2023.	SDG 7 Affordable and Clean Energy	Conferenc e
26	Dr. Ch. Sridevi Reddy		26. Sridevi Chitti, "Fake Spotter: Identifying Hoxes using Classification Techniques", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 9 Industry, Innovation and Infrastructure	Conferenc e
27	Dr. Ch. Sridevi Reddy		27. P. Ramchander Rao, J. Tarun Kumar, Sridevi Chitti, M. Raju, "Gesture Translator for Impaired Disabled People", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 10 Reduced Inequalities	Conferenc e
28	Md Muqueem	Abdul	28. Md Abdul Muqueem; Shanky Saxena; Govind Singh Patel, "An Intensified Fractional-NPLL for Deepened low Phase Noise" 2 nd IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies 2023, 5 th & 6 th May 2023, VIT, Vellore, Tamil Nadu DOI: 10.1109/ViTECoN58111.2023.10157928	SDG 9 Industry, Innovation and Infrastructure	Conferenc e
29	Sri. Ch. Pavan Kumar		29. A.pavan, ch.pavan kumar, "A finfet pass transistor based xor and xnor circuit designed for 18nm technology, International conference on signal processing, computation, Electronics, Power and telecommunication (IConSCEPT). 25-26 May, 2023, NIT karaikal, India.	SDG 9 Industry, Innovation and Infrastructure	Conferenc e
30	Sri. Ch. Pavan Kumar		30. Ch.Pavan kumar, G roshini, Pravalika, Deepthi, Simran, "Simulation methodology for analyzing the performance of TFET through THM-TFET Model file in cadence. 4th International conference on innovative trends in electronics engineering " punjabi university, patiala on 27th april 2023.	SDG 9 Industry, Innovation and Infrastructure	Conferenc e

31	Sri V.Shobhan Reddy	31. V.Shobhan Reddy, 'Autonomous vehicle detection using deep learning', AICTE-DST-SERB sponsored 2023 international conference on Nano electronics, nano photoincs, nano materials, nano bioscience & nano technology, VISAT Engineering collage, Ernakulam, 27 th and 28 th April.	SDG 9 Industry, Innovation and Infrastructure	Conferenc e
32	Sri. P. Ramchandara Rao	32. P. Ramchander Rao, J. Tarun Kumar, Sridevi Chitti, M. Raju, "Gesture Translator for Impaired Disabled People", International Conference on IEEE 5NANO,Kerala,on 27 th April, 2023.(Conference proceeding not yet received)	SDG 10 Reduced Inequalities	Conferenc e
33	Sri. P. Ramchandara Rao	33. V. Peddiraju, R. Rao Pamulaparthi, C. Adupa and L. Raju Thoutam, "Design and Development of Cost-Effective Child Surveillance System using Computer Vision Technology," 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC), Hyderabad, India, 2022, pp. 119-124, doi: 10.1109/ICMACC54824.2022.10093561. (IEEE)	SDG 7 Affordable and Clean Energy	Conferenc e
34	Sri. P. Ramchandara Rao	34. C. R. Prasad, S. Kollem, S. Samala, P. R. Rao, S. Yalabaka and A. Chakradhar, "Devanagari Script Digit Classification using modified AlexNet with Transfer Learning," 2022 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), Bangalore, India, 2022, pp. 1-4, doi: 10.1109/SMARTGENCON56628.2022.10084165. (IEEE).	SDG 9 Industry, Innovation and Infrastructure	Conferenc e
35	Dr. K. Ashoka Reddy	1. E. H. Krishna, K. Sivani and K. A. Reddy, "OFDM channel estimation along with de-noising approach under small SNR environment using SSA," Journal of Communications software and systems, vol.18, no.1, pp.28-35, March2022 (WoS, Q3 Journal).	SDG 7 Affordable and Clean Energy	WOS

36	Dr. G. Raghotham Reddy	2. Siripuri Kiran, Ganta Raghotham Reddy, Girija S.P., Venkatramulu S., Kumar Dorthi, Chandra Shekhar Rao V., A Gradient Boosted Decision Tree with Binary Spotted Hyena Optimizer for cardiovascular disease detection and classification, Healthcare Analytics, Volume 3, 2023, 100173, ISSN 2772-4425, https://doi.org/10.1016/j.health.2023.100173 .	SDG 3 Good Health and well being	SCI
37	Dr. S.P. Girija	3. Siripuri Kiran, Ganta Raghotham Reddy, Girija S.P., Venkatramulu S., Kumar Dorthi, Chandra Shekhar Rao V., A Gradient Boosted Decision Tree with Binary Spotted Hyena Optimizer for cardiovascular disease detection and classification, Healthcare Analytics, Volume 3, 2023, 100173, ISSN 2772-4425, https://doi.org/10.1016/j.health.2023.100173 .	SDG 3 Good Health and well being	SCI
38	Dr. M. Raju	3. M. Raju, J. Tarun Kumar, Ch. Sridevi, P. Ramchandrarao, "Coordinated Multi-Point Communications for In-Building Small-Cell Networks with Channel Selection", NOVYI MIR Research Journal, ISSN NO: 0130-7673, Volume 8, Issue 4, 2023, PAGE NO: 335 to 346, DOI:16.10098.NMRJ.2022.V8I4.256342.3724, https://novyimir.net/volume-8-issue-4-2023/ (WoS)	SDG 7 Affordable and Clean Energy	WOS
39	Dr. M. Raju	4. P. Santhosh Kumar, V. P. Sakthivel, Manda Raju, P. D. Sathya, "Brain tumor segmentation of the FLAIR MRI images using novel ResUnet", Biomedical Signal Processing and Control, https://doi.org/10.1016/j.bspc.2023.104586 , 1746-8094/© 2023 Elsevier Ltd, January, 2023. (SCI)	SDG 3 Good Health and well being	SCI
40	Dr. M. Raju	5. P. Santhosh Kumar, V. P. Sakthivel, Manda Raju, P. D. Sathya, "A Hybrid Optimal Feature Extraction for Brain Tumor Segmentation", International Journal of Software Innovation, https://doi.org/10.4018/IJSI.303578 , Volume 10, Issue 1, pp 1-15, 2022. (Scopus)	SDG 3 Good Health and well being	SCOPUS

41	Dr.M.Raju	6. M. Raju, Mrs.Shreedevi, Vidyadhar S Melkeri, Peddeeti Sudheer, "Classification of Flower Images by using Transfer Learning and Machine Learning Approach", NeuroQuantology, eISSN1303-5150, Volume 20, Issue8, Page No. 3445-3454, July 2022, doi:10.14704/nq.2022.20.8.NQ44371. (Scopus).	SDG 3 Good Health and well being	SCOPUS
42	Dr. K. Ramudu	7. Kama Ramudu, Gajula Laxmi Bhavani, Manabolu Nishanth, Akula Prakash Raj, Vamshika Analdas, "Level Set Segmentation of Images using Block Matching Local SVD Operator based Sparsity and TV Regularization", International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.15, No.2, pp. 47-58, 2023. DOI:10.5815/ijigsp.2023.02.05	SDG 9 Industry, Innovation and Infrastructure	SCOPUS
43	Dr. K. Ramudu	8. B. Muthu Kumar, Rama Krishna Reddy Guduru, Azmeera Srinivas, Farkhanda Ana, Kama Ramudu & Gaurav Dhiman Wavelength assignment in optical fiber with intelligent optimization and assignment scheme for static and dynamic traffic intensity based Photonic networks. Opt Quant Electron 54, 526 (2022).	SDG 9 Industry, Innovation and Infrastructure	SCI
44	Dr. Umamaheshwar S.	9. Soma Umamaheshwar, "Investigating the Effects of Channel Length and High-K Dielectric Materials on the Performance of Double-Gate MOSFETs", Transactions on Electrical and Electronic Materials, Springer, 2023, https://doi.org/10.1007/s42341-023-00444-w, 23 May 2023, Online ISSN 2092-7592.	SDG 9 Industry, Innovation and Infrastructure	SCI
45	Dr. J. Tarun Kumar	10. Sandip Bhattacharya , Subhajit Das, Shubham Tayal, J. Ajayan, Leo Joseph, Tarun Kumar Juluru, Arnab Mukhopadhyay, Sayan Kanungo, Debaprasad Das, Shashank Rebelli, "Minimization of crosstalk noise and delay using reduced graphene nano ribbon (GNR) interconnect", Microelectronics Journal 2022, Elsevier (SCI)	SDG 9 Industry, Innovation and Infrastructure	SCI

46	Dr. J. Tarun Kumar	11. J.Tarun Kumar, "Safety and Security System In Houseboats using NODEMCU", NOVYI MIR Research Journal, Volume 8 Issue 4 2023 , ppno.496-502, ISSN NO: 0130-7673.	SDG 9 Industry, Innovation and Infrastructure	SCOPUS
47	Sri. B. Komuraiah	12. B. Komuraiah, Dr.M.S.Anuradh, "Energy aware talented clustering With compressive sensing (TCCS) for wireless sensor networks" International Journal of Computer Networks & Communications (IJCNC) Vol.14, No.4, July 2022 ,DOI: 10.5121/ijcnc.2022.14404 57.Pages: 57-79.	SDG 7 Affordable and Clean Energy	SCOPUS
48	Sri. A. Srinivas	13. Srinivas, Azmeera, V. V. K. D. V. Prasad, and B. Leela Kumari. "Computer-aided diagnosis for early cancer detection using Adaptive Kernel Based Fuzzy Cuckoo Search Optimization Clustering from mammogram images." <i>Computers and Electrical Engineering</i> 103 (2022): 108343.(SCIE).	SDG 3 Good Health and well being	SCI
49	Sri. A. Srinivas	14. Kumar, B. Muthu, et al. "Wavelength assignment in optical fiber with intelligent optimization and assignment scheme for static and dynamic traffic intensity based Photonic networks." <i>Optical and Quantum Electronics</i> 54.8 (2022): 526.(SCIE).	SDG 11 Sustainable cities and Communities	SCI
50	Dr.V.Raju	15. Raju, V., Suresh, E., Shashikanth, B. <i>et al.</i> Performance Analysis of Double Material Gate (DG) -TFET with Channel Doping. <i>Silicon</i> 14, 10775-10779 (2022).	SDG 9 Industry, Innovation and Infrastructure	SCI
51	Dr. R. Srikanth	16. Rangu, S.; Veramalla, R.; Salkuti, S.R.; Kalagadda, B. Efficient Approach to Color Image Segmentation Based on Multilevel Thresholding Using EMO Algorithm by Considering Spatial Contextual Information. <i>J. Imaging</i> 2023, 9, 74. https://doi.org/10.3390/jimaging9040074 .	SDG 3 Good Health and well being	SCI
52	Sri. P. Chiranjeevi	17. C. Pudari, S. Palle, T. Nallala, K. Gandham, M. D. Thakkalapelly and T. Dinesh, "Review of Variable Line Width Single Layer and Multi-Layer on-Chip Inductor," 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Uttarakhand, India, 2023, pp. 980-983, doi: 10.1109/ICIDCA56705.2023.10100182.	SDG 7 Affordable and Clean Energy	SCOPUS

53	Dr. D. Venu	18. D. Venu, A.V.R. Mayuri, S. Neelakandan, G.L.N. Murthy, N. Arulkumar, Nilesh Shelke, An efficient low complexity compression based optimal homomorphic encryption for secure fiber optic communication, Optik, Volume 252, 2022, 168545, ISSN 0030-4026,	SDG 7 Affordable and Clean Energy	SCOPUS
54	Sri. S. Pradeep Kumar	19. Pradeep Kumar S, S. Meghana, B. Akhila, D. Anusha, Surya Kiran Reddy and A. Amulya, " Noise Reduction Algorithm for Speech Enhancement," 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT) DOI: 10.1109/IConSCEPT57958.2023.10170204 .	SDG 9 Industry, Innovation and Infrastructure	SCOPUS
55	Dr. Ch. Sridevi Reddy	20. G.Aloy Anuja Mary, M Purna kishore, Sridevi Chitti, Ramesh Babu Vallabhaneni, N Renuka, "EEG Signal Classification Automation using Novel Modified Random Forest Approach", Journal of Scientific & Industrial Research, doi.org/10.56042/jsir.v82i1.70213, Vol. 82, pp. 101-108, Jan 16 2023. (SCI)	SDG 3 Good Health and well being	SCI
56	Md. Abdul Muqueem	21. Md Abdul Muqueem; Shanky Saxena; Govind Singh Patel "An Ultra-Low-Power C-Band FMCW Transmitter Using a Fast Settling Fractional-N DPLL and Ring-Based Pulse Injection Locking Oscillator", <i>Journal of Circuits, Systems and Computers</i> , https://doi.org/10.1142/S0218126623500457 , Vol. 32, No. 03, 2350045 (2023).	SDG 7 Affordable and Clean Energy	SCI
57	Sri. D. Santhosh Kumar	22. Santhosh kumar, "Object Tracking using Deep Learning," Neuro Quantology, August 2022, volume 20 Issue 10, Page 686-690	SDG 11 Sustainable cities and Communities	SCOPUS
58	Sri. P. Ramchandrarao	23. Rajendra Prasad, C., Bojja, P., Kollem, S., Ramchandrarao, P. (2023). Implementation of Experiential and Project-Based Learning in Mechatronics Course. In: Nath, V., Mandal, J.K. (eds) Microelectronics, Communication Systems, Machine Learning and Internet of Things. Lecture Notes in Electrical Engineering, vol 887. Springer, Singapore. https://doi.org/10.1007/978-981-19-1906-	SDG 4 Quality Education	SCOPUS

		0_50 (Springer).		
59	Sri. P. Ramchandarrao	24. Ahmed, S.M., Rao, P.R., Chakrabarty, N., Pothula, V.K. (2023). Counter Measures to Control and Reduce Fatal Accidents by Improving Driving Capabilities in Aged Adults in India. In: Kumar, A., Ghinea, G., Merugu, S., Hashimoto, T. (eds) Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-2358-6_63 . (Springer).	SDG 11 Sustainable cities and Communities	SCOPUS

CAY-2 (2022-23)

S.No.	Name of the Faculty	Title of the Paper	SDG Address	SCI/ SCOPUS/ Conference
1	Dr. G. Raghotham Reddy	1. G. R. Reddy, A. Srinivas, S. P. Girija and R. N. Devi, "Enhancement of Images Using Optimized Gamma Correction with Weighted Distribution Via Differential Evolution Algorithm," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-5, doi:10.1109/ICEEICT53079.2022.9768470.	SDG 3 Good Health and well being	Conference
2	Dr. G. Raghotham Reddy	2. K. Ramudu, A. Srinivas, S. P. Girija and G. R. Reddy, "Segmentation of Tumors in MRI Brain Images using Modified PSO and ADF based SVM," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-6, doi:10.1109/ICEEICT53079.2022.9768621	SDG 3 Good Health and well being	Conference

3	Dr. B. Ramadevi	3. Rama Devi, B., Ragam, P., Godishala, S.P., Gandham, V.S.K.N., Panuganti, G., Annavajjula, S.S. (2023). Crop Yield Prediction Using Machine Learning Algorithms. In: Reddy, K.A., Devi, B.R., George, B., Raju, K.S., Sellathurai, M. (eds) Proceedings of Fourth International Conference on Computer and Communication Technologies. Lecture Notes in Networks and Systems, vol 606. Springer, Singapore. https://doi.org/10.1007/978-981-19-8563-8_38 , pp. 397-405 (IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022).	SDG 2 Zero Hunger	Conference
4	Dr. B. Ramadevi	4. Boddu, R.D., Ragam, P., Pendhota, S.P., Goni, M., Indrala, S., Badavath, U.R. (2023). IoT-Based Smart Agricultural Monitoring System. In: Reddy, K.A., Devi, B.R., George, B., Raju, K.S., Sellathurai, M. (eds) Proceedings of Fourth International Conference on Computer and Communication Technologies. Lecture Notes in Networks and Systems, vol 606. Springer, Singapore. https://doi.org/10.1007/978-981-19-8563-8_36 , pp. 377-385.(IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022)	SDG 2 Zero Hunger	Conference
5	Dr. S. P. Girija	5. G. R. Reddy, A. Srinivas, S. P. Girija and R. N. Devi, "Enhancement of Images Using Optimized Gamma Correction with Weighted Distribution Via Differential Evolution Algorithm," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-5, doi:10.1109/ICEEICT53079.2022.9768470.	SDG 3 Good Health and well being	Conference
6	Dr. S. P. Girija	6. K. Ramudu, A. Srinivas, S. P. Girija and G. R. Reddy, "Segmentation of Tumors in MRI Brain Images using Modified PSO and ADF based SVM," 2022 First International Conference on Electrical, Electronics, Information and Communication	SDG 3 Good Health and well being	Conference

		Technologies (ICEEICT), 2022, pp. 1-6, doi: 10.1109/ICEEICT53079.2022.9768621.		
7	Smt.A.Vijaya	7. "Microstrip Patch Antenna loaded with Ferrite films for UMTS Applications" International Conference on Innovative Trends in Electronics Engineering, 27th April, 2023.	SDG 9 Industry, Innovation and Infrastructure	Conference
8	Dr. M. Raju	8. Siva Priyanka, M.Raju, Smitha, Lahari, Vinay, Akash Reddy, "IoT based Crop Recommendation System using Machine Learning for Smart Agriculture", International Conference on Emerging Trends in Engineering, Springer, Altantis Press, April, 2023.	SDG 2 Zero Hunger	Conference
9	Dr. M. Raju	9. M.Raju, K.Tejaswi, K.Akshaya, B.Rohith Kumar, Ch.Sravan Kumar, "Enhancing wireless data transfer using OFDM-IDMA approach", in AICTE, SERB-DST Sponsored IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology (5NANO 2023) held on 27 th & 28 th April, 2023, organized by VISAT Engineering College, Ernakulam, Kerala.	SDG 9 Industry, Innovation and Infrastructure	Conference
10	Dr. M. Raju	10. A.Sai Kumar, V.Sathosh Kumar, V.Hindumathi, G.Shanthi, E.Vijaya Babu, M.Raju, "An Efficient AVR interfaced bluetooth controlled Robotic Car System", in 13 th International Conference on Cloud Computing, Data Science & Engineering, held on 19-20 January 2023, at Noida, India. ISBN: 978-1-6654-6263-1©2023, DOI: 10.1109/Confluence56041.2023.10048798	SDG 9 Industry, Innovation and Infrastructure	Conference
11	Dr. V. Venkateshwar Reddy	11. Venkateshwar Reddy Vedipala, Avinash Reddy Radharapu, Arun Kumar Gajula, Sivani Sivani, Akshaya Akshaya. "U-slot Loaded Half-circled Microstrip Patch Antenna Analysis using XGBoost machine learning Algorithm." In 2023 8th International Conference on Communication and Electronics Systems (ICCES), 01-03 June	SDG 7 Affordable and Clean Energy	Conference

		2023, coimbatore, india, IEEE, 2023.		
12	Dr. V. Venkateshwar Reddy	12. Venkateshwar Reddy Vedipala; Kandala Spandana; Rithvik Kumar Kulla; Aravind Poola; Pavani Kandhigatla. "U-slot loaded flared-U fractal Antenna analysis using ANN." In 2023 International Conference on sustainable computing and smart Systems (ICSCSS), 14-16 June 2023, Coimbatore , india, IEEE, 2023.	SDG 7 Affordable and Clean Energy	Conference
13	Dr. Umamaheshwar S.	13. Thotapally Roshini, Sonnila Kalyani, Polam Pavan, Maringanti Vaibhava Praneeth and Soma Umamaheshwar, "Channel Estimation in Broadband MIMO Systems," 14 th ICCCNT, 2023, IEEE Conference Proceedings (ACCEPTED for publication).	SDG 7 Affordable and Clean Energy	Conference
14	Dr. J. Tarun Kumar	14. J Tarun Kumar, "Smart Parking Systems", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 11 Sustainable cities and Communities	Conference
15	Dr. J. Tarun Kumar	15. P. Ramchander Rao, J. Tarun Kumar, Sridevi Chitti, M. Raju, "Gesture Translator for Impaired Disabled People", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 10 Reduced Inequalities	Conference
16	Sri. B. Komuraiah	16. B. Komuraiah and M. S. Anuradha, "An Energy Conservation Clustering Scheme with Compressive Sensing Scheme for WSN," 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), 23rd-24th April 2022, pp. 1-6, doi:10.1109/ICDCECE53908.2022.9793118.	SDG 7 Affordable and Clean Energy	Conference

17	Sri. B. Komuraiah	17. B. Komuraiah, T. S. Kumar, K. S. Reddy, R. Ramateja, S. Athar and T. A. Reddy, "Analysis of Microstrip Fractal Antenna with Multiband Characteristics," 2022 7th International Conference on Communication and Electronics Systems (ICCES), 22-24 June 2022, pp. 540-543, doi:10.1109/ICCES54183.2022.9836017.	SDG 7 Affordable and Clean Energy	Conference
18	Sri. B. Komuraiah	18. B. Komuraiah, T. Sushma, C. J. Priyanka, N. V. Sen and T. Vikas, "Cylindrical Dielectric Resonator Antenna design for Satellite Applications," 2022 7th International Conference on Communication and Electronics Systems (ICCES), 22nd -24th June 2022, pp. 536-539, doi: 10.1109/ICCES54183.2022.9835962.	SDG 7 Affordable and Clean Energy	Conference
19	Syed Zaheeruddin	19. Z. Syed and K. Suganthi, "Image Segmentation using Hybrid Relay Level Sets," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 322-325, doi:10.1109/ICSCCC58608.2023.10176763.	SDG 3 Good Health and well being	Conference
20	Syed Zaheeruddin	20. Z. Syed, K. Siddhartha, T. Rahul, A. Sneha, E. Jhansi and K. Suganthi, "Fuzzified Contrast Enhancement and Segmentation For Nearly Invisible Images," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 316-321, doi:10.1109/ICSCCC58608.2023.10176516.	SDG 3 Good Health and well being	Conference
21	Syed Zaheeruddin	21. Z. Syed, K. Siddhartha, T. Rahul, A. Sneha, E. Jhansi and K. Suganthi, "Fuzzified Contrast Enhancement and Segmentation For Nearly Invisible Images," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 316-321, doi:10.1109/ICSCCC58608.2023.10176516.	SDG 3 Good Health and well being	Conference
22	Dr.V.Raju	22. Delta Sigma Fractional Frequency Synthesis. (International Conference on Internet of Things, Communications, Intelligence and Computing (IC-ICC-2023) held on 5th and 6th May 2023 organized by SHRIDEVI Institute of Engineering and	SDG 9 Industry, Innovation and Infrastructure	Conference

		Technology, Hyderabad, Telangana. (Scopus) (UGC Approved Conference).		
23	Dr. D. Venu	23. V. Dunde, A. Tabassum, N. S. Mandala, T. Jangam, J. Palnati and S. Chargondla, "Implementation of RCS for Simple and Complex Objects," 2022 <i>International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC)</i> , Hyderabad, India, 2022, pp. 1-6, doi:10.1109/ICMACC54824.2022.10093360.	SDG 9 Industry, Innovation and Infrastructure	Conference
24	Dr Chandrasekhar M	24. Linearly Polarized Dual Band Smart Antenna for Wi-Fi and WiMAX Applications, IEEE, 2023 International Conference on signal processing , computation, electronics, power and Telecommunication(IConSCEPT-2023), NIT Puducherry, during 25-26 May, 2023.	SDG 7 Affordable and Clean Energy	Conference
25	Dr Chandrasekhar M	25. Design of Linearly Polarized Triangular microstrip Patch Antenna for IoT Applications, IEEE, 2023 International Conference on signal processing , computation, electronics, power and Telecommunication(IConSCEPT-2023), NIT Puducherry, during 25-26 May, 2023.	SDG 7 Affordable and Clean Energy	Conference
26	Dr. Ch. Sridevi Reddy	26. Sridevi Chitti, "Fake Spotter: Identifying Hoxes using Classification Techniques", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 9 Industry, Innovation and Infrastructure	Conference
27	Dr. Ch. Sridevi Reddy	27. P. Ramchander Rao, J. Tarun Kumar, Sridevi Chitti, M. Raju, "Gesture Translator for Impaired Disabled People", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. (Conference proceeding not yet received).	SDG 10 Reduced Inequalities	Conference

28	Md Muqueem Abdul	28. Md Abdul Muqueem; Shanky Saxena; Govind Singh Patel,"An Intensified Fractional-NPLL for Deepened low Phase Noise"2 nd IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies 2023,5 th &6 th May 2023,VIT,Vellore,Tamil Nadu DOI:10.1109/ViTECoN58111.2023.10157928	SDG 9 Industry, Innovation and Infrastructure	Conference
29	Sri. Ch. Pavan Kumar	29. A.pavan, ch.pavan kumar,"A finfet pass transistor based xor and xnor circuit designed for 18nm technology, International conference on signal processing, computation,Electronics, Power and telecommunication (IConSCEPT). 25-26 May, 2023, NIT karaikal,India.	SDG 9 Industry, Innovation and Infrastructure	Conference
30	Sri. Ch. Pavan Kumar	30. Ch.Pavan kumar, G roshini, Pravalika, Deepthi, Simran, "Simulation methodology for analyzing the performance of TFET through THM-TFET Model file in cadence. 4th International conference on innovative trends in electronics engineering " punjabi university, patiala on 27th april 2023.	SDG 9 Industry, Innovation and Infrastructure	Conference
31	Sri V.Shobhan Reddy	31. V.Shobhan Reddy, 'Autonomous vehicle detection using deep learning', AICTE-DST-SERB sponsored 2023 international conference on Nano electronics, nano photoincs, nano materials, nano bioscience &nano technology, VISAT Engineering collage, Ernakulam, 27 th and 28 th April.	SDG 9 Industry, Innovation and Infrastructure	Conference
32	Sri. P. Ramchandara Rao	32. P. Ramchander Rao, J. Tarun Kumar, Sridevi Chitti, M. Raju, "Gesture Translator for Impaired Disabled People", International Conference on IEEE 5NANO,Kerala,on 27 th April, 2023.(Conference proceeding not yet received)	SDG 10 Reduced Inequalities	Conference
33	Sri. P. Ramchandara Rao	33. V. Peddiraju, R. Rao Pamulaparthi, C. Adupa and L. Raju Thoutam, "Design and Development of Cost-Effective Child Surveillance System using Computer Vision Technology," 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC),	SDG 7 Affordable and Clean Energy	Conference

		Hyderabad, India, 2022, pp. 119-124, doi: 10.1109/ICMACC54824.2022.10093561. (IEEE)		
34	Sri. P. Ramchandarrao	34. C. R. Prasad, S. Kollem, S. Samala, P. R. Rao, S. Yalabaka and A. Chakradhar, "Devanagari Script Digit Classification using modified AlexNet with Transfer Learning," 2022 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), Bangalore, India, 2022, pp. 1-4, doi: 10.1109/SMARTGENCON56628.2022.10084165. (IEEE).	SDG 9 Industry, Innovation and Infrastructure	Conference
35	Dr. K. Ashoka Reddy	1. E. H. Krishna, K. Sivani and K. A. Reddy, "OFDM channel estimation along with de-noising approach under small SNR environment using SSA," Journal of Communications software and systems, vol.18, no.1, pp.28-35, March2022 (WoS, Q3 Journal).	SDG 7 Affordable and Clean Energy	WOS
36	Dr. G. Raghotham Reddy	2. Siripuri Kiran, Ganta Raghotham Reddy, Girija S.P., Venkatramulu S., Kumar Dorthi, Chandra Shekhar Rao V., A Gradient Boosted Decision Tree with Binary Spotted Hyena Optimizer for cardiovascular disease detection and classification, Healthcare Analytics, Volume 3,2023,100173,ISSN 2772-4425,https://doi.org/10.1016/j.health.2023.100173.	SDG 3 Good Health and well being	SCI
37	Dr. S.P.Girija	3. Siripuri Kiran, Ganta Raghotham Reddy, Girija S.P., Venkatramulu S., Kumar Dorthi, Chandra Shekhar Rao V., A Gradient Boosted Decision Tree with Binary Spotted Hyena Optimizer for cardiovascular disease detection and classification, Healthcare Analytics, Volume 3,2023,100173,ISSN 2772-4425,https://doi.org/10.1016/j.health.2023.100173.	SDG 3 Good Health and well being	SCI

38	Dr.M.Raju	3. M. Raju, J. Tarun Kumar, Ch. Sridevi, P. Ramchandrarao, "Coordinated Multi-Point Communications for In-Building Small-Cell Networks with Channel Selection", NOVYI MIR Research Journal, ISSN NO: 0130-7673, Volume 8, Issue 4, 2023, PAGE NO: 335 to 346, DOI:16.10098.NMRJ.2022.V8I4.256342.3724, https://novyimir.net/volume-8-issue-4-2023/ (WoS)	SDG 7 Affordable and Clean Energy	WOS
39	Dr.M.Raju	4. P.Santhosh Kumar, V.P.Sakthivel, Manda Raju, P.D.Sathya, "Brain tumor segmentation of the FLAIR MRI images using novel ResUnet", Biomedical Signal Processing and Control, https://doi.org/10.1016/j.bspc.2023.104586 , 1746-8094/© 2023 Elsevier Ltd, January, 2023. (SCI)	SDG 3 Good Health and well being	SCI
40	Dr.M.Raju	5. P.Santhosh Kumar, V.P.Sakthivel, Manda Raju, P.D.Sathya, "A Hybrid Optimal Feature Extraction for Brain Tumor Segmentation", International Journal of Software Innovation, https://doi.org/10.4018/IJSI.303578 , Volume 10, Issue 1, pp 1-15, 2022. (Scopus)	SDG 3 Good Health and well being	SCOPUS
41	Dr.M.Raju	6. M. Raju, Mrs.Shreedevi, Vidyadhar S Melkeri, Peddeeti Sudheer, "Classification of Flower Images by using Transfer Learning and Machine Learning Approach", NeuroQuantology, eISSN1303-5150, Volume 20, Issue8, Page No. 3445-3454, July 2022, doi:10.14704/nq.2022.20.8.NQ44371. (Scopus).	SDG 3 Good Health and well being	SCOPUS
42	Dr. K. Ramudu	7. Kama Ramudu, Gajula Laxmi Bhavani, Manabolu Nishanth, Akula Prakash Raj, Vamshika Analdas, "Level Set Segmentation of Images using Block Matching Local SVD Operator based Sparsity and TV Regularization", International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.15, No.2, pp. 47-58, 2023. DOI:10.5815/ijigsp.2023.02.05	SDG 9 Industry, Innovation and Infrastructure	SCOPUS

43	Dr. K. Ramudu	8. B. Muthu Kumar, Rama Krishna Reddy Guduru, Azmeera Srinivas, Farkhanda Ana, Kama Ramudu & Gaurav Dhiman Wavelength assignment in optical fiber with intelligent optimization and assignment scheme for static and dynamic traffic intensity based Photonic networks. Opt Quant Electron 54, 526 (2022).	SDG 9 Industry, Innovation and Infrastructure	SCI
44	Dr. Umamaheshwar S.	9. Soma Umamaheshwar, "Investigating the Effects of Channel Length and High-K Dielectric Materials on the Performance of Double-Gate MOSFETs", Transactions on Electrical and Electronic Materials, Springer, 2023, https://doi.org/10.1007/s42341-023-00444-w , 23 May 2023, Online ISSN 2092-7592.	SDG 9 Industry, Innovation and Infrastructure	SCI
45	Dr. J. Tarun Kumar	10. Sandip Bhattacharya, Subhajit Das, Shubham Tayal, J. Ajayan, Leo Joseph, Tarun Kumar Juluru, Arnab Mukhopadhyay, Sayan Kanungo, Debaprasad Das, Shashank Rebelli, "Minimization of crosstalk noise and delay using reduced graphene nano ribbon (GNR) interconnect", Microelectronics Journal 2022, Elsevier (SCI)	SDG 9 Industry, Innovation and Infrastructure	SCI
46	Dr. J. Tarun Kumar	11. J. Tarun Kumar, "Safety and Security System In Houseboats using NODEMCU", NOVYI MIR Research Journal, Volume 8 Issue 4 2023, ppno.496-502, ISSN NO: 0130-7673.	SDG 9 Industry, Innovation and Infrastructure	SCOPUS
47	Sri. B. Komuraiah	12. B. Komuraiah, Dr. M. S. Anuradh, "Energy aware talented clustering With compressive sensing (TCCS) for wireless sensor networks" International Journal of Computer Networks & Communications (IJCNC) Vol.14, No.4, July 2022, DOI: 10.5121/ijcnc.2022.14404 57. Pages: 57-79.	SDG 7 Affordable and Clean Energy	SCOPUS
48	Sri. A. Srinivas	13. Srinivas, Azmeera, V. V. K. D. V. Prasad, and B. Leela Kumari. "Computer-aided diagnosis for early cancer detection using Adaptive Kernel Based Fuzzy Cuckoo Search Optimization Clustering from mammogram images." <i>Computers and Electrical Engineering</i> 103 (2022): 108343. (SCIE).	SDG 3 Good Health and well being	SCI

49	Sri. A. Srinivas	14. Kumar, B. Muthu, et al. "Wavelength assignment in optical fiber with intelligent optimization and assignment scheme for static and dynamic traffic intensity based Photonic networks." <i>Optical and Quantum Electronics</i> 54.8 (2022): 526.(SCIE).	SDG 11 Sustainable cities and Communities	SCI
50	Dr.V.Raju	15. Raju, V., Suresh, E., Shashikanth, B. <i>et al.</i> Performance Analysis of Double Material Gate (DG) -TFET with Channel Doping. <i>Silicon</i> 14, 10775–10779 (2022).	SDG 9 Industry, Innovation and Infrastructure	SCI
51	Dr. R. Srikanth	16. Rangu, S.; Veramalla, R.; Salkuti, S.R.; Kalagadda, B. Efficient Approach to Color Image Segmentation Based on Multilevel Thresholding Using EMO Algorithm by Considering Spatial Contextual Information. <i>J. Imaging</i> 2023, 9, 74. https://doi.org/10.3390/jimaging9040074 .	SDG 3 Good Health and well being	SCI
52	Sri. P. Chiranjeevi	17. C. Pudari, S. Palle, T. Nallala, K. Gandham, M. D. Thakkalapelly and T. Dinesh, "Review of Variable Line Width Single Layer and Multi-Layer on-Chip Inductor," 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Uttarakhand, India, 2023, pp. 980-983, doi:10.1109/ICIDCA56705.2023.10100182.	SDG 7 Affordable and Clean Energy	SCOPUS
53	Dr. D. Venu	18. D. Venu, A.V.R. Mayuri, S. Neelakandan, G.L.N. Murthy, N. Arulkumar, Nileshe Shelke, An efficient low complexity compression based optimal homomorphic encryption for secure fiber optic communication, <i>Optik</i> , Volume 252,2022,168545,ISSN 0030-4026,	SDG 7 Affordable and Clean Energy	SCOPUS
54	Sri. S. Pradeep Kumar	19. Pradeep Kumar S, S. Meghana, B. Akhila, D. Anusha, Surya Kiran Reddy and A. Amulya, " Noise Reduction Algorithm for Speech Enhancement," 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT) DOI: 10.1109/IConSCEPT57958.2023.10170204 .	SDG 9 Industry, Innovation and Infrastructure	SCOPUS

55	Dr. Ch. Sridevi Reddy	20. G.Aloy Anuja Mary, M Purna kishore, Sridevi Chitti, Ramesh Babu Vallabhaneni, N Renuka, "EEG Signal Classification Automation using Novel Modified Random Forest Approach", Journal of Scientific & Industrial Research, doi.org/10.56042/jsir.v82i1.70213, Vol. 82, pp. 101-108, Jan 16 2023. (SCI)	SDG 3 Good Health and well being	SCI
56	Md. Abdul Muqueem	21. Md Abdul Muqueem; Shanky Saxena; Govind Singh Patel "An Ultra-Low-Power C-Band FMCW Transmitter Using a Fast Settling Fractional-N DPLL and Ring-Based Pulse Injection Locking Oscillator", <i>Journal of Circuits, Systems and Computers</i> , https://doi.org/10.1142/S0218126623500457 , Vol. 32, No. 03, 2350045 (2023).	SDG 7 Affordable and Clean Energy	SCI
57	Sri. D. Santhosh Kumar	22. Santhosh kumar, "Object Tracking using Deep Learning," <i>Neuro Quantology</i> , August 2022, volume 20 Issue 10, Page 686-690	SDG 11 Sustainable cities and Communities	SCOPUS
58	Sri. P. Ramchandara Rao	23. Rajendra Prasad, C., Bojja, P., Kollem, S., Ramchandara Rao, P. (2023). Implementation of Experiential and Project-Based Learning in Mechatronics Course. In: Nath, V., Mandal, J.K. (eds) <i>Microelectronics, Communication Systems, Machine Learning and Internet of Things. Lecture Notes in Electrical Engineering</i> , vol 887. Springer, Singapore. https://doi.org/10.1007/978-981-19-1906-0_50 (Springer).	SDG 4 Quality Education	SCOPUS
59	Sri. P. Ramchandara Rao	24. Ahmed, S.M., Rao, P.R., Chakrabarty, N., Pothula, V.K. (2023). Counter Measures to Control and Reduce Fatal Accidents by Improving Driving Capabilities in Aged Adults in India. In: Kumar, A., Ghinea, G., Merugu, S., Hashimoto, T. (eds) <i>Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology</i> . Springer, Singapore. https://doi.org/10.1007/978-981-19-2358-6_63 . (Springer).	SDG 11 Sustainable cities and Communities	SCOPUS