

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING****Faculty Research Publications**

| | Number of quality publications in refereed Scopus /SCI Journals, Books/Book Chapters and patents | | | |
|--|--|-----------------|-----------------|-----------------|
| | CAY (2024-25) | CAYm1 (2023-24) | CAYm2 (2022-23) | CAYm3 (2021-22) |
| Dr. K. Ashoka Reddy Name of the faculty | 1 | 4 | 3 | 6 |
| Dr. G. Raghotham Reddy | | 6 | 3 | 6 |
| Dr. B.Rama Devi | 1 | 3 | 4 | 2 |
| E. Suresh | | 0 | 1 | 1 |
| Dr. S.P. Girija | | 2 | 2 | 6 |
| A. Vijaya | | 1 | 1 | 1 |
| Dr. M.Raju | | 2 | 7 | 3 |
| Dr.V. Venkateshwar Reddy | 1 | 2 | 2 | 3 |
| Dr.K. Ramudu | | 7 | 2 | 5 |
| Dr.Umamaheshwar Soma | | 5 | 2 | 4 |
| Dr.J.Tarun Kumar | 1 | 4 | 5 | - |
| Sri B. Komuraiah | | 3 | 2 | 3 |
| Dr. A. Srinivas | | 2 | 2 | 6 |
| Syed Zaheeruddin | | 0 | 2 | 2 |
| Dr.V. Raju | | 0 | 1 | 4 |
| Dr. D. Venu | | 0 | 2 | 3 |
| Dr.R. Srikanth | 2 | 1 | 1 | 2 |
| Sri P. Chiranjeevi | | 1 | 1 | 3 |
| S. Pradeep Kumar | | 0 | 1 | 1 |
| Dr. J. SheshagiriBabu | | 1 | 0 | 0 |
| A.Pavan | | 0 | 0 | 0 |



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ ప్రేక్షాగికి ంవ విజ్ఞాన సంస్థాన, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారత

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

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KITSW

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

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| Name of the faculty | CAY (2024-25) | CAYm1 (2023-24) | CAYm2 (2022-23) | CAYm3 (2021-22) |
|----------------------|------------------|--------------------|--------------------|--------------------|
| Dr. M. Chandrasekhar | 1 | 0 | 2 | 1 |
| Dr. B. Dhanalaxmi | | 3 | 0 | 2 |
| Dr.K.Sowjanya | 1 | 5 | 1 | 2 |
| Dr.Sridevi Chitti | | 3 | 4 | 5 |
| Dr.Tumma Sunil Kumar | | 1 | 0 | 1 |
| P.Yugander | | 1 | 0 | 1 |
| Dr. Md.Abdul Muqueem | | 1 | 2 | 0 |
| Ch. Pavan Kumar | | 1 | 3 | 1 |
| V. Shobhan Reddy | | 0 | 1 | 1 |
| D. Santhosh Kumar | | 0 | 1 | 0 |
| P. Ramchandar Rao | | 6 | 6 | |
| E.Susmitha | | 0 | 0 | 0 |
| Total | 8 | 65 | 64 | 75 |


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Year : 2024-25

| S.No. | Name of the Faculty | Journal / Conference/ Book/ Book Chapter/ Patent |
|-------|---------------------------|---|
| 1 | Dr. K. Ashoka Reddy | <p>Journals: 01</p> <p>1. 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)</p> |
| 2 | Dr. B. Rama Devi | <p>Journal: 01</p> <p>1. 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)</p> <p>Conference: 01</p> <p>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).</p> |
| 3 | Dr. V. Venkateshwar Reddy | <p>Journal: 01</p> <p>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" <i>Microwave Review</i> December 2024, Vol. 30, No. 2, pp. 15-22 DOI: 10.18485/mrts_mr.2024.30.2.2. (Scopus)</p> |
| 4 | Dr. J. Tarun Kumar | <p>Journal: 01</p> <p>1. Manoharan, Thiyagarajan 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)</p> <p>Patent: 01</p> <p>1. J. Tarun Kumar Patent Granted to "Visual Aid Based Drowsiness Detection and Warning Initiation System and Method Thereof", Patent No.547268, Application No.:202241023366, Dt. 07-08-2024.</p> |
| 5 | Dr. R. Srikanth | <p>Journal: 01</p> <p>1. Lingaiah Jada, Rangu Srikanth and Kalagadda Bikshalu, "Effective low-exposure color image enhancement based on histogram equalization with spatial contextual</p> |


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| | | <p>information", Published 21 November 2024, Eng. Res. Express 6 (2024) 045236, https://doi.org/10.1088/2631-8695/ad8988. (ESCI)</p> <p>Conference: 01</p> <ol style="list-style-type: none"> 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. |
| 6 | Dr. M. Chandrashekar | <p>Journal: 01</p> <ol style="list-style-type: none"> 1. Maloth Chandrasekhar, and Ketavath Kumar Naik, "Design a Dual-Band with CSRR Cascaded Patch Antenna Array for Wireless Communications," <i>Progress In Electromagnetics Research C</i>, Vol. 149, 155-163, 2024. doi:10.2528/PIERC24090602 (SCOPUS) |
| 7 | Dr. K. Sowjanya | <p>Journal: 01</p> <ol style="list-style-type: none"> 1. Kotte, S., Injeti, S.K., Thunuguntla, V.K. <i>et al.</i> Energy curve based enhanced smell agent optimizer for optimal multilevel threshold selection of thermographic breast image segmentation. <i>Sci Rep</i> 14, 21833 (2024). https://doi.org/10.1038/s41598-024-71448-6 (SCI) |


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Year : 2023-24

| S.No. | Name of the Faculty | JOURNALS / CONFERENCES/ BOOK CHAPTERS/ BOOKS/ PATENTS |
|-------|---------------------------|--|
| 1 | Dr. K. Ashoka Reddy | <p>Journals: 04</p> <ol style="list-style-type: none"> 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. 2. K. S. Basavaraju, T. K. Kumar, K. A. Reddy and K. R. K. Reddy, "Analysis of Vibroarthrographic signals for classification of knee disorders using Empirical Wavelet Transform based on Statistical measures," 2023 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), Kuala Lumpur, Malaysia, 2023, pp. 1-6, doi: 10.1109/I2MTC53148.2023.10175958. 3. K. Ashoka Reddy, E. Hari Krishna. On the performance of Hirschman Optimal Transform Pre-coded UFMC for reduction of PAPR. Advance. January 31, 2024. DOI: 10.22541/au.170670588.88488095/v1 4. 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. <i>New Gener. Comput.</i> 42, 859-877 (2024). https://doi.org/10.1007/s00354-024-00265-2 |
| 2 | Dr. Ganta Raghobham Reddy | <p>Journals: 03</p> <ol style="list-style-type: none"> 1. Siripuri Kiran, Ganta Raghobham 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) 2. Yesudasu Vasimalla; Shivam Singh; Ganta Raghobham Reddy; Rajeev Kumar; Suman Maloji; Santosh Kumar, "Titanium Dioxide-Graphene-Black Phosphorus-Based SPR Sensor for Helicobacter Pylori Bacteria Detection." IEEE Sensors Journal (2024).DOI 10.1109/JSEN.2024.3409535 (SCI) 3. Ganta Raghobham Reddy, S.P.Girija, Azmeera Srinivas, Vineeth Bhupati, Kama Ramudu, "Enhancement and |


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| | | <p>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(Scopus)</p> <p>Conferences: 01</p> <ol style="list-style-type: none"> 1. 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. <p>Book chapters: 02</p> <ol style="list-style-type: none"> 1. Kama Ramudu, S.P. Girija, Ganta Raghotham Reddy, An automatic level set segmentation of breast tumor from mammogram images using optimized fuzzy c-means clustering, Editor(s): D. Jude Hemanth, Computational Intelligence and Modelling Techniques for Disease Detection in Mammogram Images, Academic Press, 2024, Pages 299-322, https://doi.org/10.1016/B978-0-443-13999-4.00007-9. 2. G. Raghotham Reddy, G. Sruthi, B. Haindavi, P. Sai Deepak, Syed Waseem Ur Rayyan, K. Ramudu, 2023, Segmentation of Images Using Level Set Method Based on Additive Bias Correction (LS-ABC), Proceedings of the Second International Conference on Emerging Trends in Engineering (ICETE 2023), Pages 854-864, ISSN - 2352-5401. https://doi.org/10.2991/978-94-6463-252-1_86. |
| 3 | Dr. B. Rama Devi | <p>Journals: 01</p> <ol style="list-style-type: none"> 1. 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 (Scopus) <p>Book Editor: 02</p> <ol style="list-style-type: none"> 1. Proceedings of Fifth International Conference on Computer and Communication Technologies, 2024, Volume 897, ISBN: 978-981-99-9703-9. |


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| | | 2. Proceedings of Fifth International Conference on Computer and Communication Technologies, 2024, Volume 898, ISBN : 978-981-99-9703-9. |
| 4 | Dr. S.P. Girija | <p><u>Journals: 01</u></p> <p>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)</p> <p>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(Scopus)</p> <p><u>Book chapters: 01</u></p> <p>1. Kama Ramudu, S.P. Girija, Ganta Raghotham Reddy, An automatic level set segmentation of breast tumor from mammogram images using optimized fuzzy c-means clustering, Editor(s): D. Jude Hemanth, Computational Intelligence and Modelling Techniques for Disease Detection in Mammogram Images, Academic Press, 2024, Pages: 299-322. https://doi.org/10.1016/B978-0-443-13999-4.00007-9.</p> |
| 5 | Smt. A. Vijaya | <p><u>Conference: 01</u></p> <p>1. 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)</p> |


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|---|---------------------------|---|
| 6 | Dr. M. Raju | <p><u>Conferences: 02</u></p> <ol style="list-style-type: none"> 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 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. <p><u>Book Editor: 02</u></p> <ol style="list-style-type: none"> 1. Proceedings of Fifth International Conference on Computer and Communication Technologies, 2024, Volume 897, ISBN: 978-981-99-9703-9. 2. Proceedings of Fifth International Conference on Computer and Communication Technologies, 2024, Volume 898, ISBN : 978-981-99-9703-9. |
| 7 | Dr. V. Venkateshwar Reddy | <p><u>Journals: 02</u></p> <ol style="list-style-type: none"> 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 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, https://link.springer.com/article/10.1007/s11276-024-03750-0 (SCI) |
| 8 | Dr. K. Ramudu | <p><u>Journals: 01</u></p> <ol style="list-style-type: none"> 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) |


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- 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(**Scopus**)

Conferences:01

- 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.
- 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.
- 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.

Book Chapters: 01

- Ramudu, Kama, et al. "Machine Learning and Artificial Intelligence in Disease Prediction: Applications, Challenges, Limitations, Case Studies, and Future Directions." Contemporary Applications of Data Fusion for Advanced Healthcare Informatics, edited by G.S. Karthick and Sathishkumar Karupusamy, IGI Global, 2023, pp. 297-318. <https://doi.org/10.4018/978-1-6684-8913-0.ch013>
- Kama Ramudu, S.P. Girija, GantaRaghotham Reddy, An automatic level set segmentation of breast tumor from mammogram images using optimized fuzzy c-means clustering, Editor(s): D. Jude Hemanth, Computational Intelligence and Modelling Techniques for Disease Detection in Mammogram Images, Academic Press, 2024, Pages 299-322, ISBN 9780443139994, <https://doi.org/10.1016/B978-0-443-13999-4.00007-9>.


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9

Dr. Soma
Umamaheshwar

Journals: 01

1. Soma Umamaheshwar "Enhancing AlGa_N/Ga_N HEMT Performance through Gate-All-Around AlN Passivation: A Comparative Study with a Planar MIS-HEMT", Journal of Electronic Materials, Springer, 2024. (SCI)
2. M. V. Ganeswara Rao N. Ramanjaneyulu Balamurali Pydi Umamaheshwar Soma K. Rajesh Babu Satti Harichandra Prasad "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. (SCI)

Conferences:03

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
2. Thotapally Roshini, Sonnaila Kalyani, Polam Pavan, Maringanti Vaibhava Praneeth, 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.
3. Pulluri Keerthana, Kokkerala Anvesh, Vishnu Sai Sarva, Bairi Supraja, 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-


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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| | | 3509-5, Print on Demand(PoD) ISBN:979-8-3503-3510-1, e-ISSN: 2473-7674, November 2023 |
| 10 | Dr. J. Tarun Kumar | <p><u>Journals: 01</u></p> <ol style="list-style-type: none"> 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.(Scopus) 2. 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, June-2024, https://doi.org/10.48047/AFJBS.6.11.2024.50-62 (Scopus) 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, https://doi.org/10.33472/AFJBS.6.10.2024.5515-5526(Scopus) <p><u>Patents: 01</u></p> <ol style="list-style-type: none"> 1. Dr. J. Tarun Kumar: Autonomous mobile Robot System for in-SITU inspection and repair of largescale structures, Date: 05-01-2024, Application No: 202341083711 A |
| 11 | Sri. B. Komuraiah | <p><u>Journals: 01</u></p> <ol style="list-style-type: none"> 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. <p><u>Conferences: 01</u></p> <ol style="list-style-type: none"> 1. 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. |
| 12 | Sri. A. Srinivas | <u>Journals: 02</u> |


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| | | <ol style="list-style-type: none"> 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) 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 (Scopus) <p>Conference: 01</p> <ol style="list-style-type: none"> 1. 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. |
| 13 | Dr. R. Srikanth | <p>Conferences: 01</p> <ol style="list-style-type: none"> 1. 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. |
| 14 | Sri. P. Chiranjeevi | <p>Conferences: 01</p> <ol style="list-style-type: none"> 1. 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: 10.1109/ICCCNT56998.2023.10307356. |
| 15 | Sri. J. Sheshagiri Babu | <p>Conferences: 01</p> <ol style="list-style-type: none"> 1. 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. |
| 16 | Dr. B. DhanaLaxmi | <p>Journals: 01</p> <ol style="list-style-type: none"> 1. R. Vidhya, Dhanalaxmi Banavath, S. Kayalvili, Swarna Mahesh Naidu, V. Charles Prabu, D. Sugumar, R. Hemalatha, S. Vimal |


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| 17 | Dr. K. Sowjanya | <p>Journals: 04</p> <ol style="list-style-type: none"> 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. (Scopus) 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 (Scopus) 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. (SCI) 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 Algorithm With Modified Newton Raphson Method", IEEE Journal of the Electron Devices Society, 2023 (SCI) <p>Conferences: 01</p> <ol style="list-style-type: none"> 1. 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. |


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| 22 | Sri. Ch. Pavan Kumar | <p>Conferences: 01</p> <p>1. 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.</p> |
| 23 | Sri. P. Ramchandar Rao | <p>Journals: 03</p> <p>1. Thirupathi, E., Adupa, C., Rao, P.R., Gunjan, V.K., Ahmed, S.M., "Smart Agriculture Monitoring System Using IoT", in Modern Approaches in IoT and Machine Learning for Cyber Security. Internet of Things. Springer, Cham. IoTdoi.org/10.1007/978-3-031-09955-7_28</p> <p>2. 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</p> <p>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, https://doi.org/10.33472/AFJBS.6.10.2024.5515-5526 (Scopus)</p> <p>Conferences: 03</p> <p>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</p> <p>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</p> |



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website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

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1. Manvitha, V., Ahmed, S.M., Rao, P.R., Gunjan, V.K. (2024). IoT-Based Heart Disease Prediction System. In: Gunjan, V.K., Ansari, M.D., Usman, M., Nguyen, T. (eds) *Modern Approaches in IoT and Machine Learning for Cyber Security. Internet of Things.* Springer, Cham. https://doi.org/10.1007/978-3-031-09955-7_27

Patents:01

1. Mr. P. Ramchandrar Rao: Remote and Online Document Printing System and Method Thereof, Date: 05-02-2024, Application No: 202341083326 A


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Academic Year : 2022-23

| S.No. | Name of the Faculty | Conference/Journal Publications |
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| 1 | Dr. Kommala Ashoka Reddy | <p><u>Book Series Editors: 01</u></p> <p>1. K. Ashoka Reddy, B. Rama Devi, "Springer "Lecture Notes in Networks and Systems: Proceedings of Fourth International Conference on Computer and Communication Technologies", published by Publisher: Springer Singapore, 2023, DOI: https://doi.org/10.1007/978-981-19-8563-8</p> <p><u>Patent: 01</u></p> <p>1. Indian Patent Granted to Dr. B. Rama Devi, Dr. Komalla Ashoka Reddy, titled "Zone Control System for Motion Detection based Light Intensity Control and Methods Employed Thereof," Patent No. 405460, Application No. 201941014850, Granted on 01/09/2022.</p> |
| 2 | Dr. Ganta Raghotham Reddy | <p><u>Book Chapters: 02</u></p> <p>1. Tara S.K., Prashanth M.S., Girija S.P., Reddy G.R., Design of Human Computer Interaction for Handwriting Character: A Comprehensive Review, American Institute of Physics Inc. "AIP Conference Proceedings", ASCCI 2021-Hyderabad, Vol:2477, May 2023. Doi: 10.1063/5.0125194</p> <p>2. Reddy G.R., Shabab S., Bhumandla M., Banoth S., Kondra S., "Region and Edge Based Hybrid Level Set Model for Image Segmentation", American Institute of Physics Inc. "AIP Conference Proceedings", ASCCI 2021-Hyderabad, Vol:2477, May 2023. Doi: 10.1063/5.0150320</p> <p><u>Books:01</u></p> <p>1. Prafiul V. Nandankar, Dr. G. Raghotham Reddy, Sakimalla Prabhakar Girija, Azmeera Srinivas, "Microprocessor and Microcontroller", published by Notion Press, Chennai. India, ISSN No: 979-8-88783-885-</p> |
| 3 | Dr. B. Ramadevi | <p><u>Conferences: 02</u></p> <p>1. 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,</p> |


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| | | <p>Singapore., pp. 397-405 (IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022). https://doi.org/10.1007/978-981-19-8563-8_38</p> <p>2. 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. pp. 377-385.(IC3T 2022, held at Kakatiya Institute of Technology and Science-warangal on July 29th & 30th, 2022) https://doi.org/10.1007/978-981-19-8563-8_36</p> <p>Book Series Editors: 01</p> <p>1. K. Ashoka Reddy, B. Rama Devi, "Springer "Lecture Notes in Networks and Systems: Proceedings of Fourth International Conference on Computer and Communication Technologies", published by Publisher: Springer Singapore, 2023, DOI: https://doi.org/10.1007/978-981-19-8563-8</p> <p>Patent: 01</p> <p>1. Indian Patent Granted to Dr. B. Rama Devi, Dr. Komalla Ashoka Reddy, titled "Zone Control System for Motion Detection based Light Intensity Control and Methods Employed Thereof," Patent No. 405460, Application No. 201941014850, Granted on 01/09/2022.</p> |
| 4 | Dr. S.P. Girija | <p>Book Chapters: 01</p> <p>1. Tara S.K., Prashanth M.S., Girija S.P., Reddy G.R., Design of Human Computer Interaction for Handwriting Character: A Comprehensive Review, American Institute of Physics Inc. "AIP Conference Proceedings", ASCCI 2021-Hyderabad, Vol:2477, May 2023. Doi: 10.1063/5.0125194</p> <p>Books:01</p> <p>1. Prafiul V. Nandankar, Dr. G. Raghobham Reddy, Sakimalla Prabhakar Girija, Azmeera Srinivas, "Microprocessor and Microcontroller", published by Notion Press, Chennai. India, ISSN No: 979-8-88783-885-4</p> |


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| 5 | Smt. A. Vijaya | Conferences: 01 1. "Microstrip Patch Antenna loaded with Ferrite films for UMTS Applications" International Conference on Innovative Trends in Electronics Engineering, 27th April,2023. |
| 6 | Sri. E. Suresh | Patent: 01 1. Indian Patent Granted to Sri. E. Suresh, titled "Designing of microstrip patch antenna for 5G applications", patent No. 202241040274A, published on 22/07/2022 by Official Journal of patent office. |
| 7 | Dr. Manda Raju | Journals: 04 1. P. Santosh Kumar, V.P. Sakthivel, Manda Raju , P.D. Sathya, "Brain tumor segmentation of the FLAIR MRI images using novel ResUnet" in Biomedical Signal Processing and Control, Volume 82, 2023, 104586, ISSN 1746-8094, https://doi.org/10.1016/j.bspc.2023.104586 . 2. 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, <i>IJSI</i> vol.10, no.1 2022, ISSN: 2166-7160 pp.1-15. http://doi.org/10.4018/IJSI.303578 3. Dr. M. Raju, "Classification of Flower Images by using Transfer Learning and Machine Learning Approach", in Neuro Quantology, eISSN1303-5150, doi:10.14704/nq.2022.20.8.NQ44371 4. 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) Conferences: 03 1. 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. |


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| 8 | Dr. V. Venkateshwar Reddy | <p>Conferences: 02</p> <ol style="list-style-type: none"> <u>Venkateshwar Reddy Vedipala, Avinash Reddy Radharapu, Arun Kumar Gajula, Sivani Sivani, Akshaya Akshaya.</u> "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. <u>Venkateshwar Reddy Vedipala; Kandala Spandana; Rithvik Kumar Kulla; Aravind Poola; Pavani Kandhigatla.</u> "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. |
| 9 | Dr. Kama Ramudu | <p>Journals:01</p> <ol style="list-style-type: none"> 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", in International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.15, No.2, pp. 47-58, 2023. DOI:10.5815/ijigsp.2023.02.05. <p>Books:01</p> <ol style="list-style-type: none"> Dr. Ganta Raghotham Reddy, Mrs. Sakimalla Prabhakar Girija, Mr. Azmeera Srinivas, Dr. Kama Ramudu, "Digital |


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| 11 | Dr. Tarun Kumar Juluru | <p><u>Journals:03</u></p> <ol style="list-style-type: none"> Sandip Bhattacharya a, Subhajit Das b, Shubham Tayal a, J. Ajayan a, Leo Joseph a, Tarun Kumar Juluru , Arnab Mukhopadhyay e, Sayan Kanungo c, Debaprasad Das d, Shashank Rebelli, “Minimization of crosstalk noise and delay using reduced graphene nano ribbon (GNR) interconnect”, in Microelectronics Journal 2022, Elsevier (SCI), Volume 127, 2022, 105533, ISSN 0026-2692, https://doi.org/10.1016/j.mejo.2022.105533. 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. J. Tarun Kumar, Ch. Sridevi, P. Ramchandar Rao, “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) <p><u>Conferences: 02</u></p> <ol style="list-style-type: none"> J Tarun Kumar, “Smart Parking Systems”, International Conference on IEEE 5NANO, Kerala, on 27th April, 2023.(Conference proceeding not yet received). |


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| 12 | Sri. B. Komuraiah | <p>Conferences: 02</p> <ol style="list-style-type: none"> 1. 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. 2. 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. |
| 13 | Mr. A. Srinivas | <p>Journals:01</p> <ol style="list-style-type: none"> 1. Azmeera Srinivas , V.V.K.D.V. Prasad b, B. Leela Kumari c, "Computer-aided diagnosis for early cancer detection using Adaptive Kernel Based Fuzzy Cuckoo Search Optimization Clustering from mammogram images.", in Computers and Electrical Engineering 103 (2022), Volume 103, 2022, 108343, ISSN 0045-7906, https://doi.org/10.1016/j.compeleceng.2022.108343. <p>Books:01</p> <ol style="list-style-type: none"> 1. Prafiul V. Nandankar, Dr. G. Raghotham Reddy, Sakimalla Prabhakar Girija, Azmeera Srinivas, "Microprocessor and Microcontroller", published by Notion Press, Chennai. India, ISSN No: 979-8-88783-885-4 |
| 14 | Mr. Syed Zaheeruddin | <p>Conferences: 03</p> <ol style="list-style-type: none"> 1. 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. 2. 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 |


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| | | and Communication (ICSCCC), Jalandhar, India, 2023, pp. 316-321, doi: 10.1109/ICSCCC58608.2023.10176516. |
| 15 | Dr. V. Raju | Conferences: 01 1. 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). |
| 16 | Dr. D. Venu | Journals:01 1. 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," in Optik, 2022, Volume 252, 2022, 168545, ISSN 0030-4026, https://doi.org/10.1016/j.ijleo.2021.168545 Conferences: 01 1. V. Dunde, A. Tabassum, N. S. Mandala, T. Jangam, J. Palnati and S. Chargondla, "Implementation of RCS for Simple and Complex Objects," 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC), Hyderabad, India, 2022, pp. 1-6, doi: 10.1109/ICMACC54824.2022.10093360. |
| 17 | Dr. Srikanth Rangu | Journals:01 1. Srikanth Rangu , Rajgopal Veramalla, Surendar Reddy Salkuti, Bikshalu Kalagadda, "Efficient Approach to Color Image Segmentation Based on Multilevel Thresholding Using EMO Algorithm by Considering Spatial Contextual Information", J. Imaging 2023, 9, 74., J. Imaging 2023, 9(4), 74; https://doi.org/10.3390/jimaging9040074 |
| 18 | Sri. Chiranjeevi Pudari | Conferences: 01 1. Chiranjeevi Pudari ; Sagarika Palle; Thrishitha Nallala; Keerthana Gandham; Manish Dora Thakkalapel, "Review of Variable Line Width Single Layer and Multi-Layer on-Chip Inductor" in 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Uttarakhand, India, 2023, pp. 980-983, doi:10.1109/ICIDCA56705.2023.10100182. |
| 19 | Dr. M. Chandrashekar | Conferences: 02 1. Linearly Polarized Dual Band Smart Antenna for Wi-Fi and WiMAX Applications, IEEE, 2023 International Conference on signal processing , computation, |


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| | | <p>electronics, power and Telecommunication(IConSCEPT-2023),NIT Puducherry, during 25-26 May,2023.</p> <p>2. Design of Linearly Polarized Triangular microstrip Patch Antenna forIoT Applications, IEEE, 2023 International Conference on signal processing , computation, electronics, power and Telecommunication(IConSCEPT-2023),NIT Puducherry, during 25-26 May,2023.</p> |
| 20 | Sri. S Pradeep Kumar | <p>Conferences:01</p> <p>1. S Pradeep Kumar; Anusha Daripelly; Sai Meghana Rampelli; Surya Kiran Reddy Nagireddy; Akhila B, “Noise Reduction Algorithm for Speech Enhancement”, in 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), 2023, pp. 1-5, doi: 10.1109/IConSCEPT57958.2023.10170204.</p> |
| 21 | Dr. K.Sowjanya | <p>Journals:01</p> <p>1. K.Sowjanya , K.Rasool Reddy, M.Raveena, “A New Distinctive Methodology for the Classification of Brain MR Images Using Histogram Based Local Feature Descriptors”, in International Journal of Computing and Digital Systems, ISSN: 2210-142X,Vol 13,Issue 01,May 23 http://dx.doi.org/10.12785/ijcnds/1301106.</p> |
| 22 | Dr. Dhanalaxmi Banavath | |
| 23 | Dr. Chitti Sridevi | <p>Journals:02</p> <p>1. Mary, G. Aloy Anuja; kishore, M Purna; Chitti, Sridevi ; Vallabhaneni, Ramesh Babu; Renuka, N, “EEG Signal Classification Automation using Novel Modified Random Forest Approach”, in Journal of Scientific & Industrial Research, Vol 82, No 1 (2023), DOI: 10.56042/jsir.v82i1.70213</p> <p>2. 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)</p> <p>Conferences: 02</p> |


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| | | <ol style="list-style-type: none"> 1. Sridevi Chitti, "Fake Spotter: Identifying Hoxes using Classification Techniques", International Conference on IEEE 5NANO, Kerala, on 27th April, 2023. 2. 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. |
| 24 | Mr. Abdul Muqueem | <p><u>Journals:01</u></p> <ol style="list-style-type: none"> 1. Abdul Muqueem, Shanky Saxena, and 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", in Journal of Circuits, Systems and Computers, Vol. 32, No. 03, 2350045 (2023), https://doi.org/10.1142/S0218126623500457 <p><u>Conferences: 01</u></p> <ol style="list-style-type: none"> 1. Md Abdul Muqueem; Shanky Saxena; Govind Singh Patel, "An Intensified Fractional-NPLL for Deepened low Phase Noise" 2nd IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies 2023, 5th & 6th May 2023, VIT, Vellore, Tamil Nadu DOI: 10.1109/ViTECoN58111.2023.10157928 |
| 25 | Sri. Ch. Pavan Kumar | <p><u>Journals:01</u></p> <ol style="list-style-type: none"> 1. Ch. Pavan Kumar, K. Sivani, "Simulation of Double Gate TFET with Different Gate Oxides and Thickness", in Scope Journal, ISSN: 11775653 <p><u>Conferences: 02</u></p> <ol style="list-style-type: none"> 1. 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. 2. 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. |
| 26 | Sri. V. Shobhan Reddy | <p><u>Conferences: 01</u></p> |


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| | | <p>1. 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, 27th and 28th April.</p> |
| 27 | Sri. Santhosh Kumar Dontha | <p>Journals:01</p> <p>1. Santhosh Kumar Dontha , Sowmya Sri Thalla , Sathwik Kokkonda , Mythile Cheema, Vishal Bhargav Emmadi, "Object Tracking using Deep Learning", in Neuro Quantology, August 2022, DOI: 10.14704/nq.2022.20.10.NQ55048</p> |
| 28 | Panduranga Ravi Teja | <p>Journals:02</p> <p>1. Panduranga Ravi Teja, pavan kumar mishra, Sudhakar Pandey, Amit Kumar Tiwari, "Resource Allocation and Mode Selection in 5G Networks Based on Energy Efficient Game Theory Approach", in International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169.</p> <p>2. Panduranga Ravi Teja, pavan kumar mishra, "Path Selection and Resource Allocation for 5G Multi-hop D2D Network", in Computer Communications.</p> |
| 29 | Sri. P. Ramchandar Rao | <p>Journals: 03</p> <p>1. Ch. Rajendra Prasad, Polaiiah Bojja, Sreedhar Kollem & P. Ramchandar Rao, "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", in Lecture Notes in Electrical Engineering book series (LNEE, volume 887), Print ISBN 978-981-19-1905-3, DOI: https://doi.org/10.1007/978-981-19-1906-0_50</p> <p>2. Syed Musthak Ahmed, P. Ramchandar Rao, Neelima Chakrabarty & Vinay Kumar Pothula, "Counter Measures to Control and Reduce Fatal Accidents by Improving Driving Capabilities in Aged Adults in India", in Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology. Springer, Singapore, Print ISBN 978-981-19-2357-9, https://doi.org/10.1007/978-981-19-2358-6_63</p> <p>3. P. Ramchandar Rao, "Coordinated Multi-Point Communications for In-Building Small-Cell Networks</p> |


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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)

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4. 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.
5. 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)
6. C. R. Prasad, S. Kollem, S. Samala, P. R. Rao, S. Yalabaka and A. Chakradhar, "Devanagari Script Digit 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](https://doi.org/10.1109/SMARTGENCON56628.2022.10084165). (IEEE).


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Academic Year : 2021-22

| S. No. | Name of the Faculty | Titles of Journals, Conferences and Books, Book Chapters |
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| 1 | Dr. K. Ashoka Reddy | <p>Conferences:03</p> <ol style="list-style-type: none"> 1. R. Bejgam, A. Swaapnik, M. Dharanidhar, M. Vamshi and K. A. Reddy, "Signal Processing Method for Enhancement of Pulse Oximeter Signals," 2022 7th International Conference on Communication and Electronics Systems (ICCES), 2022, pp. 54-59, doi: 10.1109/ICCES54183.2022.9835837. 2. B. V. Rao and K. A. Reddy, "On the use of Wavelet Transform based Adaptive Filtering for de-noising of Pulse Oximeter signals," 2021 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), 2021, pp. 1-4, doi: 10.1109/I2MTC50364.2021.9459833. 3. V.V. Reddy, K. AshokaReddy, B. Rama Devi, A. Vijaya, B. komuraiah, "Dual band circularly polarized pentagon shaped fractal antenna," 5th International Conference on Data Engineering & Communication Technology Proceedings (ICDECT-2021), KITS Warangal <p>Journals:03</p> <ol style="list-style-type: none"> 1. E. Krishna, K. Sivani and K. Reddy, "OFDM Channel Estimation Along with Denoising Approach under Small SNR Environment using SSA," in Journal of Communications Software and Systems, vol. 18, no. 1, pp. 28-35, January 2022, doi: 10.24138/jcomss.v18i1.1082. 2. Ganesh Kumar, G., Sridhar, K., Ashoka Reddy, K., Venu Madhav K., Eswaraiah. K., "Experimental and Numerical Studies of a Centrifugal Heart Pump Used for Total Artificial Heart (TAH), ASAIO Journal June 21, Volume 67 (2), ISSN 1058-2916, pp Page 3 of 30 88, Wolters Kluwer Publishers. DOI: 10.1097/MAT.0000000000001492. 3. Ganesh Kumar, Sridhar, K., G., Ashoka Reddy, K., Venu Madhav K., Eswaraiah. K., "Comparative Studies on six and four bladed Centrifugal Heart Pump Used for Left Ventricular Assisted Device (LVAD)", ASAIO Journal, June 21, Volume 67(2), ISSN 1058-2916, pp 88, Wolters Kluwer Publishers. DOI: 10.1097/MAT.0000000000001492.. |
| 2 | Dr. G.Raghotham Reddy | <p>Conferences: 03</p> <ol style="list-style-type: none"> 1. 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 IEEE First International Conference on Electrical, Electronics, |


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| | | <p>Information and Communication Technologies (ICEEICT), 2022, pp. 1-6, doi: 10.1109/ICEEICT53079.2022.9768621. (Scopus Indexing)</p> <p>2. T. K. Gannavaram V, U. M. Kandhikonda, P. Gade, S. Sunkaraneni and G. Raghotham Reddy, "Segmentation of Images using Automatic Fuzzy Clustering Framework," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), 2021, pp. 775-779, doi: 10.1109/ICECA52323.2021.9676152.</p> <p>3. 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.</p> <p>Journals: 01</p> <p>1. Asadi Srinivasulu, Narasimha Reddy Soora, Sharfuddin Waseem Mohammed, A. Geethadevi, Ganta Raghotham Reddy, Kama Ramudu & M. V. Aditya Nag, "Prediction and detection of breast cancer text data using integrated EANN and ESVM techniques", Applied Nanoscience, https://doi.org/10.1007/s13204-021-02033-w</p> <p>Books: 01</p> <p>2. Dr. Ganta Raghotham Reddy, Mrs. Sakimalla Prabhakar Girija, Mr. Azmeera Srinivas, Dr. Kama Ramudu, "Digital Image Processing", published by Scientific International Publishing house, ISSN No: 978-93-5625-508-1</p> <p>Patents: 01</p> <p>1. Indian Patent Granted to Dr.G.Raghotham Reddy; Sakimalla Prabhakar, Girija; Kama, Ramudu, titled "Solar Park Monitoring And Fault Detection System Using Iot And Machine Learning, by IP Australia," Application No. 2021102330, Granted on 01/09/2022.</p> |
| 3 | Dr. B.Rama Devi | <p>Conferences: 01</p> <p>1. V.V. Reddy, K. AshokaReddy, B. Rama Devi, A. Vijaya, B. komuraiah, "Dual band circularly polarized pentagon shaped fractal antenna," 5th International Conference on Data Engineering & Communication Technology Proceedings (ICDECT-2021), KITS Warangal</p> <p>Patents: 01</p> |



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| | | <p>1. Indian Patent Granted to Dr. Rama Devi, Dr. K. Srujan Raju, Prof. M. Asha Rani, Prof. K. Kishan Rao, titled "An Optimum Energy Saving System and Method for a Wireless Communication Network," Application No. 388533, Granted on 01/09/2022.</p> |
| 4 | Dr. S.P. Girija | <p>Conferences: 03</p> <ol style="list-style-type: none"> 1. Kama Ramudu, A. Srinivas, S. P. Girija and G. R. Reddy, "<i>Segmentation of Tumors in MRI Brain Images using Modified PSO and ADF based SVM</i>," 2022 IEEE First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-6, doi: 10.1109/ICEEICT53079.2022.9768621. (Scopus Indexing). 2. 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. 3. S. P. Girija, A. Akhila, D. Deepthi, R. U. Kiran and P. A. Krishna, "Saliency and Transmission Feature Extraction from Underwater Images Using Level Set Method," 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-7, doi: 10.1109/ICEEICT53079.2022.9768472. <p>Journals: 01</p> <ol style="list-style-type: none"> 1. S. P. Girija and R. Rao, "Fractional weighted ZF equalizer: A novel approach for channel equalization in MIMO-OFDM system under impulse noise environment", <i>CST</i>, vol. 6, no. 1, pp. 1-10, Jul. 2021. <p>Books: 01</p> <ol style="list-style-type: none"> 1. Dr. Ganta Raghobham Reddy, Mrs. Sakimalla Prabhakar Girija, Mr. Azmeera Srinivas, Dr. Kama Ramudu, "Digital Image Processing", published by Scientific International Publishing house, ISSN No: 978-93-5625-508-1 <p>Patents: 01</p> <ol style="list-style-type: none"> 1. Indian Patent Granted to Dr.G.Raghobham Reddy; Sakimalla Prabhakar, Girija; Kama, Ramudu, titled "Solar Park Monitoring And Fault Detection System Using Iot And Machine Learning, by IP Australia," Application No. 2021102330, Granted on 01/09/2022. |
| 5 | Sri E. Suresh | <p>Journals: 01</p> <ol style="list-style-type: none"> 1. Raju, V., E. Suresh, Boorla Shashikanth, B. Jagadeesh, Azmeera Srinivas, T. Ch Kumar, and Nellore Manoj Kumar. "Performance |



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| | | Analysis of Double Material Gate (DG)-TFET with Channel Doping." Silicon (2022): 1-5. |
| 6 | Smt. A. Vijaya | <p>Conferences: 01</p> <p>1. V.V. Reddy, K. AshokaReddy, A. Vijaya, B. komuraiah, "Dual band circularly polarized pentagon shaped fractal antenna," 5th International Conference on Data Engineering & Communication Technology Proceedings (ICDECT-2021), KITS Warangal.</p> |
| 7 | Dr. M.Raju | <p>Conferences: 03</p> <p>1. S. Saideep, R.Madhava Rao, I.Varshitha, J.Mounica, M.Raju, "Adaptive Channel Estimation using Least Mean Square (LMS) for Orthogonal Frequency Division Multiplexing (OFDM)", in 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA-2021) held on 2nd to 4th, December, 2021, at RVS Technical Campus, Coimbatore, Tamilnadu, India. ISBN: 978-1-6654-3524-6©2021, IEEE DVD ISBN: 978-1-6654-3523-9.</p> <p>DOI: 10.1109/ICECA52323.2021.9676061</p> <p>2. P.Santhosh Kumar, V.P.Sakthivel, M.Raju, P.D.Sathya "A Comprehensive Review on Deep Learning Algorithms and its Applications", in 2nd International Conference on Electronics and Sustainable Communication Systems (ICESC-2019) held on 4th to 6th, August, 2021, at Hindustan Institute of Technology, Coimbatore, Tamilnadu, India. ISBN: 978-1-6654-2867-5©2021 IEEE, DVD Part Number: CFP21V66-DVD.</p> <p>DOI: 10.1109/ICESC51422.2021.9532767</p> <p>3. S.Dileep, B.Sravanthi, B.Ashritha, T.Rakesh, M.Raju "Multi user MIMO system with Block diagonalization Precoding", in 6th International Conference on Communication and Electronics Systems (ICCES 2021) held on 8th to 10th, July, 2021, at PPG Institute of Technology, Coimbatore, Tamilnadu, India. ISBN: 978-0-7381-1405-7©2021 IEEE.</p> <p>DOI: 10.1109/ICCES51350.2021.9489021</p> |
| 8 | Dr.V.Venkateshwar Reddy | <p>Conferences: 03</p> <p>1. V.V. Reddy, K. AshokaReddy, A. Vijaya, B. komuraiah, "Dual band circularly polarized pentagon shaped fractal antenna," 5th International Conference on Data Engineering & Communication Technology Proceedings (ICDECT-2021), KITS Warangal</p> |


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| | | <p>2. Reddy, V. V., E. Navyasri, P. Shashidhar, and Syed Faize. "Minkowski Fractal Boundary Patch Antenna for GPS Application." In 2021 6th International Conference on Communication and Electronics Systems (ICCES), pp. 385-388. IEEE, 2021. ISBN:978-1-6654-3587-1, https://ieeexplore.ieee.org/document/9489134, DOI: 10.1109/ICCES51350.2021.9489134</p> <p>3. Reddy, V. V., S. Harshith, A. Sravanthi, P. Saivarshith, and R. Susmita. "Dual Band Koch Antenna for WiFi/WiMAX." In 2021 6th International Conference on Communication and Electronics Systems (ICCES), pp. 401-404. IEEE, 2021. DOI: 10.1109/ICCES51350.2021.9489088</p> |
| 9 | Dr.K.Ramudu | <p>Conferences: 01</p> <p>1. Kama 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, ISBN:978-1-6654-3648-9, February 16-18, 2022 at K.Ramakrishnan College of Engineering, Tamilnadu.</p> <p>Journals: 02</p> <p>1. Kumar, B.M., Guduru, R.K.R., Srinivas, A, 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). https://doi.org/10.1007/s11082-022-03880-9</p> <p>2. Mannava Srinivasa Rao,N. C. Santosh Kumar,Narasimha Reddy Soora · Kama Ramudu · Sudharsan Jayabalan · Vikas Rao Vadi "A novel Internet of Things (IoT)-enabled platform for patients with type 1 diabetes", Applied Nanoscience, ISSN: 2190-5517</p> <p>Books: 01</p> <p>1. Dr. Ganta Raghotham Reddy, Mrs. Sakimalla Prabhakar Girija, Mr. Azmeera Srinivas, Dr. Kama Ramudu, "Digital Image Processing", published by Scientific International Publishing house, ISSN No: 978-93-5625-508-1</p> <p>Patents: 01</p> <p>1. Indian Patent Granted to Dr.G.Raghotham Reddy; Sakimalla Prabhakar, Girija; Kama, Ramudu, titled "Solar Park Monitoring And Fault Detection System Using Iot And Machine Learning, by IP Australia," Application No. 2021102330, Granted on 01/09/2022.</p> |


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| 10 | Dr.Umamaheshwar Soma | <p>Conferences: 02</p> <ol style="list-style-type: none"> 1. Umamaheshwar Soma, S. Nagendram and Sk Hasane Ahammad, "Transmit Antenna Optimization, Power and Energy Efficient Algorithm in Massive MIMO Technology", IEEE 3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N 2021), 2021, pp. 1140-1145, doi: 10.1109/ICAC3N53548.2021.9725680, ISBN:978-1-6654-3811-7, https://ieeexplore.ieee.org/document/9725680 2. Soma, U., Suresh, E., Balaji, B., Ramadevi, B. (2023). Device Design and Modeling of Fin Field Effect Transistor for Low Power Applications. In: Satapathy, S.C., Lin, J.CW., Wee, L.K., Bhateja, V., Rajesh, T.M. (eds) Computer Communication, Networking and IoT. Lecture Notes in Networks and Systems, vol 459. Springer, Singapore. https://doi.org/10.1007/978-981-19-1976-3_45 <p>Journals:02</p> <ol style="list-style-type: none"> 1. Soma, U. A Dual Gate Junctionless FinFET for Biosensing applications. Silicon (2022). https://doi.org/10.1007/s12633-021-01603-5 2. Soma Umamaheshwar "Compression of Gain in n-Channel MESFET for MIMO Applications", SILICON, Springer Nature, February 2022, doi: 10.1007/s12633-022-01721-8. |
| 11 | Sri B.Komuraiah | <p>Conferences: 02</p> <ol style="list-style-type: none"> 1. V.V. Reddy, K. AshokaReddy, A. Vijaya, B. komuraiah, "Dual band circularly polarized pentagon shaped fractal antenna," 5th International Conference on Data Engineering & Communication Technology Proceedings (ICDECT-2021), KITS Warangal 2. B.Komuraiah, Dr.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-22) 978-1-6654-8316-2/22/\$31.00 ©D2022 IEEE, 23-24 April 2022, INSPEC Accession Number: 21797788, DOI: 10.1109/ICDCECE53908.2022.9793118 <p>Journals:01</p> <ol style="list-style-type: none"> 1. Bejjam Komuraiah and M.S. Anuradha "Energy aware talented clustering with compressive sensing (TCCS) for wireless sensor networks" by International Journal of computer networks and Communications, July 2022, ISSN: 0975 - 2293, https://airconline.com/abstract/ijcnc/v14n4/14422cnc04.html |


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| 12 | Sri A.Srinivas | <p>Conferences: 02</p> <ol style="list-style-type: none"> 1. 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 IEEE First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), 2022, pp. 1-6, doi: 10.1109/ICEEICT53079.2022.9768621. (Scopus Indexing) 2. 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. <p>Journals: 03</p> <ol style="list-style-type: none"> 1. Raju, V., E. Suresh, Boorla Shashikanth, B. Jagadeesh, Azmeera Srinivas, T. Ch Kumar, and Nellore Manoj Kumar. "Performance Analysis of Double Material Gate (DG)-TFET with Channel Doping." Silicon (2022): 1-5. 2. Kumar, B.M., Guduru, R.K.R., Srinivas, A, 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). https://doi.org/10.1007/s11082-022-03880-9 3. Srinivas, Azmeera, V. V. K. D. V. Prasad, and B. Leela Kumari. "Level set segmentation of mammogram images using adaptive cuckoo K-means clustering." Applied Nanoscience (2022): 1-15. <p>Books: 01</p> <ol style="list-style-type: none"> 1. Dr. Ganta Raghotham Reddy, Mrs. Sakimalla Prabhakar Girija, Mr. Azmeera Srinivas, Dr. Kama Ramudu, "Digital Image Processing", published by Scientific International Publishing house, ISSN No: 978-93-5625-508-1 |
| 13 | Mr Syed Zaheeruddin | <p>Conferences: 01</p> <ol style="list-style-type: none"> 1. Syed Zaheeruddin, Tummanapally Shraddha Shree, Laxmi SamyukthaManchineella, Manoj Kumar Rathna, Shubham Thati "Enhancement of Low-Luminous Images Using Remapping, Sharpening, And Fusion" in AICTE Sponsored International Conference on Energy Sustainability. 21-22 may 2022 ISBN: 978-93-94103-03-0 DOI:10.15662/IJAREEIE.2022.1104010 |



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