



SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Accredited by NAAC with 'A' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR : 2020-2021

SCOPUS

1. Dr.J.Selvakumar, R Rahul R Pradip Kumar; S Krishnaprabha “A Study of Carbon Footprint in an Educational Institution in India”, IEEE – HYDCON International Conference on Engineering in 4thIndustrial Revolution September 2020 in Hyderabad , 10 September 2020.
2. Dr.R.Madhumathi, T. Arumuganathan; R. Shruthi “Soil NPK and Moisture analysis using Wireless Sensor Networks”, 11th International Conference on Computing, Communication and Networking Technologies(ICCCNT 2020), Indian Institute of Technology, Kharagpur,01 July 2020.
3. Ms.I.G.HEMA NANDHINI, Ms.R.Pavithra, Mrs.P.Sugantha Priyadharshini,” Virtual Machine Migration and Rack Consolidation for Energy Management in Cloud Data Centers” EAI/Springer Innovations in Communication and Computing”, Springer Cham, October 2020.
4. Dr.R.Kingsy Grace, Dr.Geetha Devasena M.S, Mr.V.Krishna Kumar” PTCWA: Performance Testing Of Cloud Based Web Applications”,Springer International Publishing, September 2020.
5. Dr.R.Kingsy Grace, Dr. Geetha Devasena M.S,” Joy of GPU Computing: A Performance Comparison of AES and RSA in GPU and CPU Lect. Notes Electrical Eng., Vol. 672, Advances in Electrical and Computer Technologies” Springer ,September 2020.
6. Mrs. D. Darling Jemima, Dr.Daphy Louis Lovenia, “Application of certain Third-order Non-linear Neutral Difference Equations in Robotics Engineering”, Journal of Physics: Conference Series, March 2021.
7. Mrs.S.Prince Sahaya Brighty, “Detection of Adulteration in fruits using machine learning Algorithm”, International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), IEEE explorer, May 2021.
8. Dr.P.Perumal, Kandasamy Sellamuthu, K.Vanitha and V.K.Manavalasundaram “Guava Leaf Disease Classification Using Support Vector Machine”, Turkish Journal of Computer and Mathematics Education, Vol no:12, PP: 1177-1183, April 2021.

9. Dr.R.Kingsy Grace, , J. Anitha , R. Sivaramakrishnan , and M.S.S. Sivakumari “Crop and Weed Classification Using Deep Learning”, Turkish Journal of Computer and Mathematics Education, Vol no:12, PP: 935-938, April 2021.
10. Mrs.C.Padmavathy, Mrs,Sugantha Maliga“A Survey on Applications of Nonlinear Data Structures”, Turkish Journal of Computer and Mathematics Education, Vol no:12, PP: 6336 – 6350, April 2021.
- 11.Dr.R.Vijayakumar, Dr.N.Magendiran, Dr.D.Banumathy, Dr.V.Vignesh, “Improved Clustering Techniques for Genes selection to Identify the breast cancer”, Turkish Journal of Physiotherapy and Rehabilitation, PP :3413-3419 Vol no:3,
12. Mr.R.S.Rajkumar,Dr.A.Grace Selavarani “Transfer Learning Approach For Diabetic Retinopathy Detection Using Residual Network”, International Conference On Inventive Computational Technologies, 22nd January 2021.
13. Ms.R.Pavithra, Mrs.P.Sugantha Priyadharshini, Ms.I.G.Hema Nandhini, “Image Matching using Weighted Graph Matching Algorithm” 7th International Conference on Advanced Computing and Communication Systems (ICACCS) 2021, March 19th 2021.
14. Dr.T.Guhan, K. Anuradha;R. Prema;N. Revathy; K. P. Uma “An Autonomous and Intelligent flame sensing extinguishing robot”, IEEE Explorer, International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 20 April 2021.
15. Mrs.G.RATHI, Dr.R.Anuradha, Dr.A.Grace Selavarani “Real Time Electric Light Control Using Electro-Oculogram”, IEEE -2nd International Conference on Innovative Trends in Information Technology, IIIT Kottayam, IEEEExplore, March 2021.
16. Mr.S.Ranjith Kumar, Mr.R.S.Rajkumar, Mr.V.Krishna Kumar, ”Certain Investigation on Load Balancing using Cloudlet Assignment and min-max Algorithm”, Annals of the Romanian Society for Cell Biology, PP:2223-2229, March 2021.
17. Mr.V.Krishna Kumar, V.R. Balaji, S.T. Suganthi, R. Rajadevi “Skin disease detection and segmentation using dynamic graph cut algorithm and classification through Naïve Bayes classifier”, Measurement Journal (Elseiver), 06 June 2020.
18. Dr.S.Harihara Gopalan, “ZHRP-DCSEI, a Novel Hybrid Routing Protocol for Mobile Ad-hoc Networks to Optimize Energy Using Dynamic Cuckoo Search Algorithm. Springer Wireless Pers Commun 118, 3289–3301, 2021.
19. Mr.R.Kanagaraj, Dr.N.Rajkumar, Topic Detection using Multiple Semantic Spider Hunting Algorithm, 4th International Conference on PECMACT, IOS Press, 26th, 27th March 2021.
20. Dr. Mathiyalagan P, N.Balaji, S.Lakshmi, M.Anand,” An efficient and secure feature location approach in source code using Jacobian matrix-based clustering, Neural Computing and applications, Springer publication (SCI Indexed) Impact Factor: (*Impact Factor*: 4.617), 2021
- 21.Dr.P.Mathiyalagan ,”Enhancement of Water Submerged Images Using Fusion Technique”, Design Engineering, ISSN: 0011-9342, Issue:5| Pages: 300-308 2021.

- 22 Dr. M.S. Geetha Devasena “A comparative study on the application of machine learning algorithms for neurodegenerative disease prediction”, Handbook Of Decision Support Systems For Neurological Disorders, ELSEVIER, Chapter 16, pp.283-303, March 2021.
23. Dr. M. S. Geetha Devasena, “Temporal Localization of Topics Within Videos”, Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough”, Springer, pp 399-407, April 2021.
- 23 Dr. M.S.GeethaDevasena ,” Predictive Analytics on Diabetes Data using Machine Learning Techniques”, International Conference on Advanced Computing and Communication Systems, March 2021.
- 24 Dr.S.Harihara Gopalan, “Certain Investigation on IoT based SMART PILL CARAFE IN HEALTH CARE”, in the International Conference on Computing, Communication, Electrical and Biomedical Systems (ICCEBS 2021), at KPR Institute of Engineering College, Coimbatore, India
- 25 Dr. S.Harihara Gopalan, “A Quantum-based Blockchain approach to Voting Protocol using Hyperledger Sawtooth”, in the International Conference on Computing, Communication, Electrical and Biomedical Systems (ICCEBS 2021), at KPR Institute of Engineering College, Coimbatore, India
- 26 Dr. S. Harihara Gopalan, Dr. V. Vignesh, Dr. N. Mahendran, Mrs. T. Preethir, Mr. P. Dinesh. (2021), “Dynamic Clinical Trials Management in an unreliable Environment using Blockchain”. Design Engineering, Vol.2021(05), pp.817 - 822.
- 27 Dr.R.Madhumathi, Sneha Iyer, Shruthi“Spry Farm: A Portal For Connecting Farmers And End Users”, 2021 7th International Conference On Advanced Computing & Communication Systems (ICACCS), 19th March 2021.
- 28 Dr. T. Guhan, , N. Revathy , K. Jegadeeswaran , K. Anuradha “Elitist Streamlined Sawtooth Genetic Algorithm (SAWTGA) for Anticipating the Menace of Coronary Heart Disease”, Oxidation Communications 44(1) , 149 – 161, 2021.
- 29 D. Darling Jemima, Dr.J. Daphy Louis Lovenia ”Plant leaf classification using Pruning Techniques” 3rd International Conference on Signal Processing and Communication (ICPSC), IEEE Xplorer, May 2021.
- 30 D.Darling Jemima, Dr.A.Grace Selvarani, “A Study on Diagnosis_of Autism Spectrum Disorder for children” , 3rd International Conference on Signal Processing and Communication(ICPSC), IEEE Xplorer, May 2021.

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SCOPUS JOURNALS

1. Dr.R.Kingsy Grace,S.Manju,” A Comprehensive Review of Wireless Sensor Networks Based Air Pollution Monitoring Systems”,An International Journal on Wireless Personal Communications,Volume106 number 3, ISSN 0929-6212 ,DOI 10.1007/s11277-019-06535-3, June 2019.
2. A,Meena Kowshalya,Dr.R.Madhumathi,N.Gopika” Correlation Based Feature Selection Algorithms for Varying Datasets of Different Dimensionality”, Wireless Personal Communications, Springer, Volume 108, <https://doi.org/10.1007/s11277-019-06504-w>,Sep 2019.
3. T.C.Ezhil Selvan,P.Malathi,Mrs.S.Ezhilin Freeda,” An Efficient Method for Adjustable Load Equalization for Reducing Traffic in Routing for Mobile Ad Hoc Networks”, Wireless Personal Communications An International Journal, Volume 80, Oct 2019.
4. Mrs.P.Sugantha Priyadharshini,PayalP.Shah,S.Pavithra,J.Madhusri,M.Prithivie” Breathalyzer Ignitiolock”, Journal of Advanced Research in Dynamical & Control Systems,Volume 11,PP 99 – 104, 10.5373/JARDCS/ V11SP10 /20192780,Oct 2019.
5. Sri Ranjaane,Dr.B.Mathivanan,” Face and fingerprint recognition in real time system”, Journal of Advanced Research in Dynamical and Control Systems,Volume 11,PP 2055-2059,Oct 2019.

6. C.Ranjeeth Kumar, Dr.RAnuradha, "Feature selection and classification methods for vehicle tracking and detection", *Journal of Ambient Intelligence and Humanized Computing* "<https://doi.org/10.1007/s12652-020-01824-3>(published only online), PP 4269–4279, March 2020.
7. K. B. Shobana, P. Perumal, "Plants Classification Using Machine Learning Algorithm," 6th International Conference on Advanced Computing and Communication Systems (ICACCS), 2020, pp. 96-100, doi: 10.1109/ICACCS48705.2020.9074416, April 2020.
8. M. Karthiga, L. Latha , K. Sripriyan, "A Comprehensive Survey of Routing Attacks in Wireless Mobile Ad hoc Networks," International Conference on Inventive Computation Technologies (ICICT), 2020, pp. 396-402, doi: 10.1109/ICICT48043.2020.9112588, June 2020.
9. Nithya Shree T. , A. Grace Selvarani, "Virtual Reality based System for Training and Monitoring Fire Safety Awareness for Children with Autism Spectrum Disorder," 5th International Conference on Devices, Circuits and Systems (ICDCS), 2020, pp. 26-29, doi: 10.1109/ICDCS48716.2020.243541, April 2020.
10. S.Kavipriya, A. Grace Selvarani, "A Depth Study on Suicidal Thoughts in the Online Social Networks", *Lecture Notes on Data Engineering and Communications Technologies*, Nov 2019.
11. M. S. Geetha Devasena, R. Kingsy Grace and G. Gopu, "PDD: Predictive Diabetes Diagnosis using Datamining Algorithms," 2020 International Conference on Computer Communication and Informatics (ICCCI), 2020, pp. 1-4, doi: 10.1109/ICCCI48352.2020.9104108, Jan 2020.
12. V. Nandhini and M. S. Geetha Devasena, "Predictive Analytics for Climate Change Detection and Disease Diagnosis," 2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS), 2019, pp. 1152-1155, doi: 10.1109/ICACCS.2019.8728537, June 2019.

13. Subashini, S., Mathiyalagan, P. "A Cross Layer Design and Flower Pollination Optimization Algorithm for Secured Energy Efficient Framework in Wireless Sensor Network" , *Wireless Pers Commun* 112, PP 1601–1628 (2020). <https://doi.org/10.1007/s11277-020-07118-3>,Jan 2020.
14. Balaji N,Lakshmi S,Anand M,Anbarasan M,Mathiyalagan P," An efficient scheme for secure feature location using data fusion and data mining in internet of things environment", *Software - Practice and Experience*, March 2020.
15. R. Narmadha and P. Perumal, "An Extensive Study On Automated Aspect And Aspect Category Summarization Technique To Influence On Sentimental Analysis Of Co-Occurrence Data," 2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS), 2019, pp. 267-271, doi: 10.1109/ICACCS.2019.8728440, June 2019.
16. Vimal Adit V, Rubesh C.V, Sanjay Bharathi S, Santhiya G, Anuradha R. "A Comparison of Deep Learning Algorithms for Plant Disease Classification", *Lecture Notes in Electrical Engineering*, vol 643. Springer, Singapore. https://doi.org/10.1007/978-981-15-3125-5_17,pp 153-161, April 2020.
17. R.Kanagaraj, Anuradha R "Regional Blood Bank Count Analysis Using Unsupervised Learning Techniques", *Lecture Notes on Data Engineering and Communications Technologies*, pp 987-992, Jan 2020.
18. R. Anuradha, N. Saranya, M. Priyadharsini and G. D. Kumar, "Assessment of Extended MNIST (EMNIST) dataset using Capsule Networks," 2019 International Conference on Intelligent Sustainable Systems (ICISS), 2019, pp. 263-266, doi: 10.1109/ISS1.2019.8908006, Nov 2019.
19. R. Madhumathi, "Elucidating Farmers towards Smart Agricultural Farm Building through Cloud Model," 2019 10th International Conference on Computing,

Communication and Networking Technologies (ICCCNT), 2019, pp. 1-4, doi: 10.1109/ICCCNT45670.2019.8944554, Dec 2019.

20. R. Madhumathi and N. Kalaiyarasi, "Credit Based Multilevel Queue Scheduling in Cloud Environment," 2018 International Conference on Communication, Computing and Internet of Things (IC3IoT), 2018, pp. 87-90, doi: 10.1109/IC3IoT.2018.8668163, March 2019.
21. R. Kanagaraj, "Live beyond Fear: A Virtual Reality Serious Game Platform to Overcome Phobias", 2020 5th International Conference on Devices, Circuits and Systems (ICDCS), March 2020.
22. Kanagaraj, P. Anjana, S. Bavatarani and D. Kumar, "A Study on Human Behavior based Color Psychology using K-means Clustering," 2020 International Conference on Inventive Computation Technologies (ICICT), 2020, pp. 608-612, doi: 10.1109/ICICT48043.2020.9112442, Feb 2020.
23. Kanagaraj, R., Rajkumar, N. & Srinivasan, K. Multiclass normalized clustering and classification model for electricity consumption data analysis in machine learning techniques. *J Ambient Intell Human Comput* 12, pp 5093–5103, April 2020.
24. Suresh Kumar.S, "Autonomous traffic light control system ", Lecture Notes in Networks and Systems, Jan 2019.
25. Shri Harini G., Vishal N., Prince Sahaya Brighty S. Incontinence Monitoring System Using Wireless Sensor for "Smart Diapers" COMET 2019. Lecture Notes on Data Engineering and Communications Technologies, vol 35. Springer, Nov 2019.
26. V.R. Balaji, S.T. Suganthi, R. Rajadevi, V. Krishna Kumar, B. Saravana Balaji, Sanjeevi Pandiyan, "Skin disease detection and segmentation using dynamic graph cut algorithm and classification through Naive Bayes classifier" , *Measurement: Journal of the International Measurement Confederation* , Vol 163, 2020.

27. V.Krishna Kumar, "Semantically enriched tag clustering and image feature based image retrieval system", International Journal of Advanced Trends in Computer Science and Engineering 8(1.2), pp138-141, March 2019.
28. Rajkumar R.S, Grace Selvarani A, Ranjithkumar S, "Comprehensive Study on Diabetic Retinopathy", Advances in Intelligent Systems and Computing, vol 1057. Springer, Singapore. https://doi.org/10.1007/978-981-15-0184-5_14, Nov 2019.
29. R.S.RajKumar, "Service profile based ontological system for selection and ranking of business process web services", International Journal of Advanced Trends in Computer Science and Engineering 8(1), pp 18-22, Feb 2019.
30. R. K. Grace and B. Suganya, "Machine Learning based Rainfall Prediction," 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS), 2020, pp. 227-229, doi: 10.1109/ICACCS48705.2020.9074233, April 2020.

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