

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Technical Paper Publications in International Journal in the Year 2021

1. Bhuvaneswari, S, “Repossession and recognition system: transliteration of antique Tamil Brahmi typescript”, Current Science, 2/25/2021, 0011-3891, Vol. 120, Issue 4, p654-665. doi: 10.18520/cs/v120/i4/654-665 IF:0.756. (**SCI**)
2. R. Reena Roy & G. S. Anandha Mala, “An Improved K-Means Clustering for Segmentation of Pancreatic Tumor from CT Images” IETE Journal of Research, DOI: 10.1080/03772063.2021.1944335, July 2021.(**SCI**)
3. **Lakshmanan M**, Nithish Kumar V N, Rahul R, Rohith S, Baskaran P, “Inshore and Offshore Ship Detection and Categorization System using Mask R-CNN”,Design Engineering, no. 28,p.no. 529-541,October 2021.(**SCOPUS**)
4. **Ahamed Ali**, Vijay Shrinath Patil, Vaishali Bhagwat Patil, Jagadish B. Jadhav, A. Siva Krishna Reddy, H P Prashanth Kumar, “Data Mining and Machine Learning Based Hybrid Marketing Decision Support System”, ISSN: 0011-9342,no.8, p.no. 1399-1410,2021. (**SCOPUS**)
5. **B.Padmavathi**,B.Muthukumar , “Botnet Detection Based On Deep Learning Approaches Using Deep Feature Learning”,Design Engineering,ISSN: 0011-9342 ,no.6,p.no. 6148-6165,2021. (**SCOPUS**)
6. **Bhavadharini R. M.**, “An Energy-efficient Priority-Based Packet Scheduling Mechanism for Enhancing Quality of Service in Mobile Ad Hoc Network",Concurrency and Computation Practice and Experience,December. 2021,<https://doi.org/10.1002/cpe.6784> (**SCOPUS**)
7. **Om Kumar C.U**, Ponsy R. K. Sathia Bhama,”Efficient ensemble to combat flash attacks”,Computational Intelligence,1–20, 2021. (**SCOPUS**)
8. **M.Bhanumathi**, R.Aravindh , R.S. Gautham Kuma, M.Karthika Hema Manasa, “Heart Disease Prediction Using Convolutional Neural Networks”, Advances in Parallel computing Technologies and Publications, Vol. 39,p.no. 377-382,2021. (**SCOPUS**)
9. Pavithra, R., Prathiksha, S., Shruthi, S.G., **Bhanumathi, M.**,”A new approach for security in cloud data storage for iot applications using hybrid cryptography technique”,

Advances in Parallel computing Technologies and Publications, Vol. 39, p.no. 175-182,2021. (**SCOPUS**)

10. **Rathinapriya, V.,** Rahul, D., Rakesh, M., Suganthan, P., “Ensuring the survivability of the trekker using drone and RFID technology”,Advances in Parallel computing Technologies and Publications, Vol. 39,pp.383-390,2021. (**SCOPUS**)

11. P. Baskaran and K. Karuppasamy,” Hybrid Teaching Learning Approach for Improving Network Lifetime in Wireless Sensor Networks”, Computers, Materials & Continua,DOI:10.32604/cmc.2022.019342. (**SCOPUS**)

12. **Bhanumathi. M,** Akash Ganesan, Krishna Kumar. R and Kiruba Wellwin. J, “Fire Detection and Alarm Using Gaussian Blur Background Subtraction Technique”, Turkish Journal of Computer and Mathematics Education ,1309-4653, Vol.12 No.2 (2021), 929-934.**DOI:https://doi.org/10.17762/turcomat.v12i2.1103**

13. **Lakshmanan M,** NVN Jyotika , Nivetha P, and Preethi. A.I, “Traffic Light Controller using Image Processing”, Turkish Journal of Computer and Mathematics Education , 1309-4653, Vol.12 No.2 (2021), 405- 411. **DOI:https://doi.org/10.17762/turcomat.v12i2.824**

14. Shanthini, J. ,**Bhavatharini R. M.,** Sabitha, R., Kavitha, M. S., Chellaprabha, B, Analytical solution of FSO-MIMO system performance using DWDM optical communication”, Turkish Journal of Computer and Mathematics Education, 2021, 12(2), pp.2230–2234. **DOI: https://doi.org/10.17762/turcomat.v12i2.1923**

15. **Bhuvanewari S,** Rishi S, Prathip Kumar K and Vishnu Raj K , “Survey On Automated Fare Collection And Document Verification”, International Journal of Computer Trends and Technology, ISSN: 2231 – 2803 ,Volume 69 Issue 4, 63-65, April, 2021. DOI:10.14445/22312803/IJCTT-V69I4P111.

16. Sindhuja T, Sakhi Chawda, **Parimala Kanaga Devan Kailasam,** “ Vegetable P rice Prediction using ARIMA”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, ISSN : 2456-3307, Volume 7, Issue 4, 176-183,July 2021.doi : <https://doi.org/10.32628/CSEIT217440> .

Technical Paper Publications in International conference in the Year 2021

1. Baskaran P., "Improved Haar Cascade Feature Extraction and Access Control Framework for Rich Internet Applications" presented in the International Conference on Computing, Communication, Electrical and Bio-Medical Systems held at KPR Institute of Engineering and Technology, Coimbatore, 25th and 26th March 2021.
2. **Dr. S. Ahamed Ali, Mr. Y. Justindhas**, "A Synoptic Survey on Smart Farming Solutions Based on Environmental Factors using Machine Learning Algorithms and Internet of Things Approach", presented in 2nd e-International Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
3. **Dr. Kayalvizhi S, Madhumitha K, Chenchu Lakshmi V, Bhavatha Ranjani S**, "Psychometric Analyzer for Healthcare based on Emotional Intelligence" presented in the International e-Conference on Information, Communication and Networking 2021, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
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14. **V Rathinapriya**, D Rahul, M Rakesh, P Suganthan, “Human Tracking System Using Drone”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.

15. **Hari Kumar P**, Thipika Anandan, Vishnu Priya S, Ravindra Priyanka, “Development And Validation For Detection Of Diabetic Retinopathy Using Deep Learning Techniques”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.

16. Rengarajan R, Naveen Kumar S, Vijay V, **Basakaran P**, “ Covid Regulation Analysis Using Deep Learning”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.

17. **K P K Devan**, Kavın Anbalagan, Ganta Yeswanth, Mohammad Fiaz M, “Crop Yield Prediction Using Supervised Learning Technique”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.

18. **Rathinapriya V**, Sudheera B, Seyed Abbas M, Santhosh N A, “Spam Identification And Social Network Security”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.

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20. **Dr. Anandha Mala G.S**, Iswaria Gnanadass, Neeraja Dinakar, Sandhya Prabakar, “Emoji Based Prediction, Anticipation And Information Retrieval Using ML And DL Algorithms”,

presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

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23. **Devan K.P.K**, Muthu Harini K, Vidhya S, Sowmiya T N, “Framework Of Fake News Detection In Social Media (Twitter Data) Using LSTM”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

24. **Anandha Mala G. S**, Dharani B, Deepika M, Keerthika K. M, “Design And Development Of Intrusion Detection And Prevention System For LAN Based Networks”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

25. **Harikumar P**, Akash G, Abinash A, ayalakshmi J, “A Modern Approach To Symptom Based Disease Prediction Using Decision Tree Classification”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

26. **Lakshmanan M**, Naru Venkata Naga Jyotika, Nivetha P and Preethi A.I, “A Modern Approach For Distinguishing Pulmonary Diseases Using Decision Tree Algorithm”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

27. **V Mercy Rajaselvi Beulah**, S Prathima, A.K Savitha, D Shalini, "Face Mask Detection Using Deep Learning Approach", presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
28. **V Mercy Rajaselvi Beulah**, S Prathima, A.K Savitha, D Shalini, "Survey On Automatic Face Mask Detection System", presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
29. **S.Buvaneswari**, S.Bala Vignesh , S.Balaji, K.G.Girish, "Personal Healthcare Service using the help of Machine learning", presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
30. **V. Mercy Rajaselvi Beulah**, Brinda Udayakumar , Adithya Ravi, Akshey Sudhakar, "Survey On Automatic Disease Detection Using Deep Learning" , presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
31. **V. Mercy Rajaselvi Beulah**, Brinda Udayakumar , Adithya Ravi , Akshey Sudhakar," DISEASE IDENTIFICATION USING DEEP LEARNING", presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
32. **R.Poorni**, B.Amritha , P.Bhavyashree, S.Charulatha, "Real Time Face Detection And Recognition From Video Using Deepface Convolution Neural Network", presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.
33. **R.Poorni**, Preethi Kalaiselvan , Nikhil Thomas, T.Srinivasan, "Detection and Identification Of Rice Leaf Disease Using Machine Learning", presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the

Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

34. **K.M.Anand Kumar**, C. Srinivas Varadaraj , V.Sri Divya, P.V.Rajesh, “Survey On Effects of Cyber Bullying And Its Preventive Methods”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

35. **M.Bhanumathi**, G.Gokulsrinath , S.V. Mohana Selvan, K.Balaji, “Plant Disease Identification Using CNN”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

36. **S. Kalpana Devi**, J.Charles , E.Dharani Dharan, S.Diwahar, R.Anirudhan, “AI Based Financial Advisor Using Cloud Architecture”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

37. **V.Rathinapriya**, D.Rahul , M.Rakesh, P.Suganthan, ”Survey Paper On Human Tracking System Using Drone”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

38. **S.Kalpana Devi**, D. Amirthavarshini , R.S.Anbukani, T.K.Harini, “A Survey On Detection Of Covid-19 With Convolutional Neural Networks Using Radiology/ Computed Tomography Scanned Images”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

39. **K.M. Anandkumar**, Laxmi Samhita Gade , Jacob Mathew, D.Lokeshwar, “2D Simulation Of Semi Autonomous Vehicle Using Q-Learning”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

40. **V.Rathinapriya**, N.A.Santhosh , M. Seyed Abbas, B.Sudheera, “ Spammer Identification And Social Network Security”, presented in the International e-Conference on Information,

Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

41. **V.Rathinapriya**, P. Manav Nair , M.Gopikrishna, S.Krishnakanth,” A Completely Automated Public Turing Test To Tell Computers And Humans Apart For Visually Challenged”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

42. **P.Harikumar**, N.Vidhya , P.Smriti, “Real Time-Taxi Passenger Prediction Using Machine Learning”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

43. **V.Mercy Rajaselvi**, N.Adhithya Srinivas , B.Aravind, S.Ganesh, “EMOTION RECOGNITION USING SPEECH AND FACIAL GESTURE”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th & 10th 2021.

44. **Kalpana Devi S**, Ravi Kumar J,Samy Durai K, Shri Balaji Karthik M, “Fake product identification with the help of Block chain technology”, presented in the 3rd IEEE International Conference on Innovations in Power and Advanced Computing Technologies, i-PACT2021 jointly organized by Faculty of Engineering, Universiti Malaya, Kuala Lumpur, Malaysia & School of Electrical Engineering, Vellore Institute of Technology, Vellore,27-29,November 2021.

45. **Kalpana Devi S**, Amirthavarshini D,Anbukani R S, Harini T K,“A Medical Decision Support System To Detect Covid – 19 Pneumonia Using CNN”, presented in the 3rd IEEE International Conference on Innovations in Power and Advanced Computing Technologies, i-PACT2021 jointly organized by Faculty of Engineering, Universiti Malaya, Kuala Lumpur, Malaysia & School of Electrical Engineering, Vellore Institute of Technology, Vellore, 27-29, November 2021.

46. Baskaran P,’DMRM:Enhanced QoS using Dynamic Multipath Routing for MANETs”,presented in the International Conference on ICOSEC 2021,organized by Kongunadu College of Engineering and Technology,7th -9th,October 2021.

47. Baskaran P, "InceptionResnetV2 for Leaf Disease Classification", presented in the International Conference on I-SMAC organized by SCAD Institute of Technology, 11-13th, November 2021.
48. Deepa.J, "Web Page Classification based on Novel Black Widow Meta-Heuristic Optimization with deep learning techniques during the International conference on MIDAS-2021, 26th-27th December 2021.

Technical Paper Publications in National conference in the Year 2021

1. S.Kayalvizhi, Sethuselvi M, "Pedestrian Motion Detection using YOLO V3 Algorithm", presented in the National Conference on Intelligent Techniques in Computing and Communication organized by Department of Computer Science and Engineering at Rajalakshmi Engineering College on 14.05.2021 and 15.05.2021.

STUDENT PUBLICATION –CALENDAR YEAR 2021

INTERNATIONAL JOURNAL

1. Nithish Kumar V N, Rahul R, Rohith S, Baskaran P, "Inshore and Offshore Ship Detection and Categorization System using Mask R-CNN", Design Engineering, no. 28, p.no. 529-541, October 2021. (SCOPUS)
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- Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.
19. Muthu Harini K, Vidhya S, Sowmiya T N, “Framework Of Fake News Detection In Social Media (Twitter Data) Using LSTM”, presented in the International e-Conference on Information, Communication and Networking EICICN'21, organized by the Department of Information Technology, Easwari Engineering College, Chennai on April 9th& 10th 2021.
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