

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Technical Paper Publications in International Journal in the Year 2020

1. R. Ramkumar & G. S. Anandha Mala, “Non Functional Requirement Based Software Architecture Scheme With Security Requirement Using Hybrid Group Search Optimization And Genetic Algorithm”, Journal of Ambient Intelligence and Humanized Computing, Springer Heidelberg, 2020/4/2 **(SCIE)**
2. Sadagopan Padmakala; Ganapathy Sankar Anandha Mala; K.M. Anandkumar, “ Using Diverse Set of Features To Design A Content-Based Video Retrieval System Optimised By Gravitational Search Algorithm”, International Journal Of Business Intelligence And Data Mining, Apr-2020 Vol.17 No.4, Pp.444 – 470, Doi: 10.1504/Ijbidm.2020.110370 **(SCIE)**
3. S. Farisha, V.Mercy Rajaselvi, Dr.G.S.Anandha Mala, P.Hari Kumar, “Security In Fog IoT-Based Healthcare Framework For Hypertension”, European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 7, Issue 11, 2020. **(SCOPUS)**
4. S. Angel Vergina,Dr.S.Kayalvizhi,Dr. R.M. Bhavadharini, Kalpana Devi, “A Real Time Water Quality Monitoring Using Machine Learning Algorithm”, European Journal Of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 07, Issue 08, 2020. **(SCOPUS)**
5. S. Angel Vergina, Dr.S.Kayalvizhi,Dr. R.M. Bhavadharini, Kalpana Devi, “An Underground Pipeline Water Quality Monitoring Using IoT Devices”, European Journal Of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 07, Issue 08, 2020. **(SCOPUS)**
6. Tata Balaji, R M Bhavadharini, R Poorni, Krishnaraj, “A Prediction of Crops Using Machine Learning Techniques”, Journal of Green Engineering (JGE) Volume-10, Issue-11, November 2020. **(SCOPUS)**
7. K. P. K Devan, Sruthi Prabakaran P,Tamizhazhagan S,Vaishnavi S, “Automatic Evaluation of Exam Papers – A Survey”, International Journal of Advanced Science and Technology,Vol. 29, No. 3, March (2020), Pp. 5779 – 5784. **(SCOPUS)**
8. K.P.K Devan, Dr G. S. Anandha Mala, Deepthi Salunkey. K, Grace Cynthia. R, Madhumitha.J, “Automated Diagnosis of Malarial Parasite In Red Blood Cells”,

European Journal of Molecular & Clinical Medicine ISSN 2515-8260, Volume 7, Issue 4, 2020. **(SCOPUS)**

9. Dr. S. Sobitha Ahila, R. Srivatsan, L. Srihari, L. Venkatraman, “Garbage Classification and Monitoring Using IoT”, International Journal of Advanced Science and Technology, Vol. 29, No. 03, April (2020), Pp. 8932 – 8941. **(SCOPUS)**
10. S. Buvaneshwari, V. Deepa, V. Nisha Devi, A. Indhuja, “An Enhancement of Cluster Wrapper in Grid Computing Environment To Support Internet of Things (IoT)”, International Journal of Scientific & Technology Research, ISSN 2277-8616, Volume 9, Issue 01, January 2020. **(SCOPUS)**
11. Lakshmanan, L. Vinitha Sree, S. Gayathri, M. Sathya, “Steganography Using DFT Based Texture Synthesis”, International Journal of Scientific & Technology Research, ISSN 2277-8616, Volume 9, Issue 02, February 2020. **(SCOPUS)**
12. A. Geetha, M. Aravindan, J. Anandjahan, Aravindh. S., “CNN Based Fall Detection and Health Monitoring System Using IoT”, International Journal of Advanced Science and Technology, Vol. 29, No. 03, April (2020), Pp. 8820 – 8831. **(SCOPUS)**
13. S. Sri Heera, J. Shreya, S. Moushmi, M. P. Pavithara, K. Vikash Kalaban, “Decentralized Digital Governance Using Block Chain Technology”, International Journal of Control and Automation, Vol. 13, No. 2, (2020), Pp. 764 – 770. **(SCOPUS)**
14. S. Sri Heera, Rahul D, S. Sudarshan Athreya, S. Suriya Narasimman, K. Muthu Harini, “Smart Farming Using Deep Learning Technique”, International Journal of Control and Automation, Vol. 13, No. 2, (2020), Pp. 771 – 777. **(SCOPUS)**
15. M. Bhanumathi, R. Albrin, Bitra Sainadh, T. Hemanth, “Exypno System – An Automated Emergency Distress Call Using Hybrid Power Generation”, International Journal of Scientific & Technology Research Volume 9, Issue 01, January 2020 ISSN 2277-8616. **(SCOPUS)**
16. Vidhyalakshmi, S., Arun, S., Arulmozhi Karthic. R. and Balajhi, D. S., “Crop Disease Detection Using Convolutional Neural Network Algorithm”, International Journal of Advanced Science and Technology, Vol. 29, No. 03, April (2020), Pp. 8942 – 8951. **(SCOPUS)**

17. P.Baskaran, Aasim Ahmed S R, Abbas Yusuf, Deeptanshu Bordoloi, “Smart Recognition and Apprise System With IoT”, International Journal of Control and Automation, Vol. 13, No. 2, April (2020), Pp. 604 – 610. **(SCOPUS)**
18. Ms. A.Abirami, Muthulakshmi K, Pritheevi Va, Tamilselvan G, “Digitalization of Public Distribution System”, International Journal of Advanced Science and Technology, Vol. 29, No. 03, April (2020), pp. 8795 – 8800.
19. Dr. S. Sobitha Ahila, A. Helen, Mrs. V. S. Vidhyalakshmi, Mrs. A. Geetha, “Web Mining Based Anti-Money Laundering System”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, March (2020), Pp. 342-355. **(WOS)**
20. Dr.S.Sobitha Ahila,Gajapathy B,Deepanraj A M, Jaishaanth S, “Blockchain Based Land Document Digitization and Secured Storage”, International Journal of Future Generation Communication and Networking, Vol. 13, No. 1, March(2020), Pp. 1136-1149. **(WOS)**
21. Dr. R. M. Bhavadharini Dhanya Jayaprakash, Keerthi, Keerthika Priya G, “Sahayat A Transcription System To Help The Visually Impaired In Mathematical Examinations”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, April(2020), pp. 364-376. **(WOS)**
22. Geetha.A, Monesha B, Sandhya R, Sivashankari P, “Enhanced Cardless Transaction Using Biometric Atms”, International Journal of Future Generation Communication and Networking, Vol. 13, No. 1, (2020), Pp. 1150-1159. **(WOS)**
23. V.Rathinapriya, Bhumikka Ud, Divya.K And Akshaya.K, “A Contemporary Assistance For Educating Attention Deficit Hyperactivity Disorder (ADHD) Children Using Computer Vision”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, March (2020), Pp. 356-363. **(WOS)**
24. V.Rathinapriya, K.Sudesh, K.Suriya,V.Nishanthi, “An Ideal Forecasting Technique To Scrutinize The Candidate Using Curriculum Vitae”, International Journal of Future Generation Communication and Networking, Vol. 13, No. 1, April (2020), pp. 1160-1169. **(WOS)**
25. M.Bhanumathi, J.P.Priyanka, J.Murali Krishna And R.Namrata, “A Cardinal Approach For Crack Detection In A Bridge Using Automatic Pixel-Level Technique”, International Journal of Grid and Distributed Computing (IJGDC), Vol.13, No. 1, (2020), Pp. 1011-1017, ISSN: 2005-4262. **(WOS)**

26. M.Bhanumathi,Adithya.L, Akash Kumar.S and Eswar Suriya Pradhan.U, “Person Authentication Using Ear Shape Detection”, International Journal of Future Generation Communication and Networking (IJFGCN) ,Vol. 13, No. 3, (2020), Pp. 188 -193 , ISSN: 2233-7857. **(WOS)**
27. Lakshmanan M,Aadithya K,Abhay Ankith Reddy K,“A Survey On Road Damage Assessment System Using Lidar”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, April (2020), pp. 629-641. **(WOS)**
28. Venkata Naga Bandaru, A.M. Naveen,S.M. Sharavanesh, “Survey On Real Time Hand Gestures Recognition Using Convolutional Neural Network”, International Journal of Software & Hardware Research In Engineering ,ISSN-2347-9698, Volume 8,Issue 4,April 2020. **(WOS)**
29. S.Bhuvaneswari,Akhilakrishna.D, Annapoorna.M, Gayathri.G, “Defense At Touch – A Sensor Based Hand-Held Device For Women Safety”, International Journal of Future Generation Communication and Networking, Vol. 13, No. 1, April (2020), pp. 1337-1347. **(WOS)**
30. Mrs. D. Amirtha Sughi, Prashanth V, Sai Shiva. K, Vijay S, “Creditag: An Automatic Toll Payment System”, International Journal of Future Generation Communication and Networking, Vol. 13, No. 1, April (2020), Pp. 1348-1353. **(WOS)**
31. Mrs R.Poorni, T.Aarthi, R.Arthi, “Robotic Guidance For Sight Challenged People To Shop Using Optical Character Recognition And Smart Grid Technology”, International Journal of Grid and Distributed Computing, Vol. 13, No. 1, (2020), Pp. 418-423. **(WOS)**
32. Kavya, Dr. K. M. Anandkumar, Dr. S. Sobitha Ahila, G. Dinesh, “Literature Survey On Smart Farming Using Iot”, International Journal For Scientific Research & Development| Vol. 8, Issue 2, March 2020 | ISSN (Online): 2321-0613
33. S.Kayalvizhi, D. Amirtha Sughi, G.Shivasree, J.Shruthi, “Food Supply Chain Traceability Using Block Chain", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-9 Issue-1, May 2020
34. Dr Mercy Rajaselvi V, Jane Gloria F, Mohitha V, Guhan Selvarajan , “A Survey of Programming Editors For The Visually Impaired”, Journal of Engineering Research and Application, ISSN : 2248-9622, Vol. 10, Issue 4, April 2020, pp. 01-08

35. Mercy Rajaselvi, Siva Chandran V, Sowndarya T, Varssha S, "Survey On Coal Mine Safety Monitoring Systems", International Journal of Computer Trends and Technology (IJCTT) – Volume 68 Issue 4 – April 2020
36. V Mercy Rajaselvi, V Siva Chandran, T Sowndarya, S Varssha, "Coal Mine Safety Monitoring and Alerting System", International Journal of Advanced Science and Technology ,Vol. 29, No. 5, (2020), pp. 6643 – 6653
37. Mercy Rajaselvi V, Jane Gloria F, Mohitha V, Guhan Selvarajan, "Programming Aide For The Visually Impaired", International Journal of Advanced Science and Technology Vol. 29, No. 6, (2020), Pp. 4285 – 4297.
38. Dr.G.S.Anandha Mala, A Vijay Akash , S Shobika, "Tracking of Criminal Through CCTV Using Face Detection", International Journal of Advanced Science and Technology, Vol. 29, No. 6, (2020), pp. 6542 – 6551,ISSN 2005-4238.
39. K. P. K Devan, Sruthi Prabakaran P, Tamizhazhagan S, Vaishnavi, "One-Word Answer Correction Using Deep Learning Models and OCR", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-2, July 2020.
40. Dr. S. Sobitha Ahila, Gajapathy. B, Deepanraj A. M, Jaishaanth. S, "Survey On Blockchain Based Document Digitization and Secured Storage", International Journal For Research In Applied Science & Engineering Technology, Volume 8, Issue III Mar 2020, ISSN: 2321-9653
41. Dr. S. Sobithaahila, L Venkatraman, R Srivatsan, L Srihari, "A Survey On Garbage Classification And Monitoring Using IoT", International Journal of Scientific Research in Engineering and Management (IJSREM),Volume: 04, Issue: 04 , April -2020 ISSN: 2582-3930
42. Kalpana Devi S, Pranusha A, Priyanka S, Ram Abhishek RS, "Smart Vision Based ATM Transaction Using Deep Learning Neural Networks", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-6, March 2020,Doi: 10.35940/Ijrte.F9075.038620
43. Kalpana Devi S, Bitra Sainadh, Hariharan K, Hemanth T, "An Unimpeachable System for Providing Credit Scores Using Blockchain In Educational Institutions", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-6, March 2020, Doi:10.35940/Ijrte.F8955.038620

44. Mrs.A.Geetha, M.Aravindan, J.Anandjahan, S.Aravindh “Survey On Fall Detection System Cnn Based Fall Detection And Health Monitoring System Using IoT”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 8 Issue IV Apr 2020
45. Mrs.Geetha.A, Ms.Monesha.B, Ms.Sandhya.R, Ms.Sivashankari.P, “Survey On Enhanced Cardless Transaction Using Biometric ATMs” In International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653 Volume 8, Issue IV Apr 2020
46. S Sri Heera, Abina M, Jayashree Pavna S, Malavika Shetty, “Virtual Reality Based Hologram For Emergency Situation”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-9 Issue-1, May 2020, Doi:10.35940/Ijrte.A1917.059120
47. Ms S.Sri Heera, J Shreya, S.Moushmi, M.P Pavithara, K.Vikashkalaban, “Survey On Decentralized Digital Governance Using Blockchain Technology”, International Journal of Computer Trends and Technology (IJCTT) – Volume 68 Issue 4 – April 2020
48. V. Rathinapriya, Divya.K, Bhumikka UD, Akshaya.K, “Survey On A Real Time Gesture Recognition System For The Attention Deficit Hyperactivity Disorder (ADHD) Children Using Virtual Reality”, Dogo Rangsang Research Journal, Vol-10 Issue-08 No. 11 August 2020
49. Buvaneswari S, Saranraj S, Tanishka Raghu, “Survey Of Vehicle To Vehicle Communication Using Li-Fi Technology”, International Journal of Computer Trends and Technology (IJCTT) – Volume 68 Issue 4 – April 2020
50. Buvaneswari S, Tanishka Raghu, Saranraj S, “Vehicle To Vehicle Communication Using Li-Fi Technology”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-9 Issue-1, May 2020
51. Buvaneswari S, Abraar Mohammed Malik S, Albrin R, Abubacker Siddique N, “IoT Based Smart Automation System With Analysis For Power Optimization”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020
52. Buvaneswari S, Abraar Mohammed Malik S, Albrin R, Abubacker Siddique N, “Survey On IoT Based Smart Automation System With Analysis For Power Optimization”,

International Journal For Research In Applied Science & Engineering Technology (IJRASET), Volume 8 Issue Iv Apr 2020, ISSN: 2321-9653

53. Mr.G.Rajasekaran, Pradeep Kumar. K, Rithik. R, Pradeesh. L, “Survey of Station-Less Bike-Sharing System” International Journal of Computer Trends and Technology (IJCTT) – Volume 68 Issue 4 – April 2020, pp.44-47
54. Ms. A. Abirami , Muthulakshmi K , Pritheevi VA, Tamilselvan G, “Digitalized Ration Card”, International Journal of Computer Trends And Technology (IJCTT) – Volume 68 Issue 4 – April 2020
55. Dr.R.M. Bhavadharini, R Adithya, KT Nithin Raj, M Raghav Srinivaas, “Facial Recognition Based Payment System”, International Journal of Advanced Science and Technology Vol. 29, No. 3, pp. 5791 – 5797,2020. **(SCOPUS)**
56. Dr. G.S. Anandha Mala, “Segmentation of Pancreatic Cysts And ROI Extraction from Pancreatic CT Images Using Machine Learning”, European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 7, Issue 4, 2020, pages: 2981-2991. **(SCOPUS)**
57. Dinesh, G., Hari Kumar, “Real-time detection technique for apple leaf diseases from environmental effect”, Journal of Green Engineering, Volume 10, Issue 5, 2379-2388, May 2020. **(SCOPUS)**
58. G. Dinesh, P.Venkatakrishnan, K. Meena Alias Jeyanthi, “Dispersed spectrum sensing and scheduling in cognitive radio network based on SSOA-RR, International Journal of Communication Systems, Vol.33, No.16, DOI: 10.1002/dac.4588. July 2020. **(SCOPUS)**.
59. R.Dharaniya, Naveen Nanda.M, Ramasubramanian.R, Nitin.R, Vaishnavi.S “An NLP Based Contrivance to Simplify Customer Interaction”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020.

## Technical Paper Publications in International conference in the Year 2020

1. Mrs. R.Reena Roy, Mrs. G. S. Anandha Mala, “Pancreatic Cancer Detection Using Multimodal Clinical Data of Diabetic Patients – A Machine Learning Approach”, presented in 6th International Conference on Science, Technology, Engineering and Management ICONSTEM-2020 organised by Jeppiaar Engineering College on 15<sup>th</sup> July 2020.
2. Mrs. R.Reena Roy, Dr. G. S. Anandha Mala, S.Sripradha, C.Sarika and S.Shruthi, “Segmentation of Pancreatic Cysts And ROI Extraction From Pancreatic CT Images Using Machine Learning”, International Conference on Information, Communication and Networking IECICN’20, organized by the Department of Information Technology, Easwari Engineering College, Chennai on July 10th & 11th 2020.
3. Dr.G.S.Anandha Mala, Dr.Mercy Rajaselvi, Mr.Harikumar, “Security in Fog IoT-based Healthcare Framework for Hypertension”, International Conference on Information, Communication and Networking IECICN’20, organized by the Department of Information Technology, Easwari Engineering College, Chennai on July 10th & 11th 2020
4. M.Lakshmanan, “Traffic Light Controller using Image Processing”, International Conference on Information, Communication and Networking IECICN’20, organized by the Department of Information Technology, Easwari Engineering College, Chennai on July 10th & 11th 2020.
5. S.Kayalvizhi, S.Kalpana devi, R.M.Bhavadharini “AN UNDERGROUND PIPELINE WATER QUALITY MONITORING SYSTEM USING IOT DEVICES”, International Conference on Information, Communication and Networking IECICN’20, organized by the Department of Information Technology, Easwari Engineering College, Chennai on July 10th & 11th 2020.
6. R.M.Bhavadharini, “Survey on systems used by visually impaired for mathematical computations”, Organization of Science and Innovative Engineering & Technology, Proceeding of 10th International Conference on Science and Innovative Engineering, 29th March, 2020, Jawahar Engineering College, Chennai.



7. R.M.Bhavadharini, "Survey on facial recognition based payment system", Organization of Science and Innovative Engineering & Technology, Proceeding of 10th International Conference on Science and Innovative Engineering, 29th March, 2020, Jawahar Engineering College, Chennai.
8. S.Bhuvaneswari, "A Review on Defense at Touch for Women safety", Organization of Science and Innovative Engineering & Technology, Proceeding of 10th International Conference on Science and Innovative Engineering, 29th March, 2020, Jawahar Engineering College, Chennai.
9. D.Amirtha Sugi, "A survey on Vanets and credit networks in blockchain", Organization of Science and Innovative Engineering & Technology, Proceeding of 10th International Conference on Science and Innovative Engineering, 29th March, 2020, Jawahar Engineering College, Chennai.
10. R.Poorni, "Literature survey on OCR and smart grid technology", Organization of Science and Innovative Engineering & Technology, Proceeding of 10th International Conference on Science and Innovative Engineering, 29th March, 2020, Jawahar Engineering College, Chennai.
11. Kalpana Devi S, "PERSONAL ASSISTANCE FOR ALZHEIMER'S PATIENT", IEEE Technically Co-Sponsored conference on Computer, Communication and Signal Processing (ICCCSP 2020)" organized by the Department of Information Technology, Sri Siva Subramaniya Nadar College of Engineering, Chennai during September, 28-29, 2020.
12. Ms S Sri Heera, Abina M, Jayashree Pavna S, Malavika Shetty, "VIRTUAL REALITY BASED HOLOGRAM FOR EMERGENCY SITUTATION", Proceeding of 10th International Conference on Science and Innovative Engineering, 29th March, 2020, Jawahar Engineering College, Chennai.
13. S Kavya, Dr.K.M Anandkumar, Dr.S Sobithaahila And G Dinesh, "Demand Based Crop Prediction Using Machine Learning Algorithm", International Conference on Information, Communication and Networking IECICN'20, organized by the Department of Information Technology, Easwari Engineering College, Chennai on July 10<sup>th</sup> & 11<sup>th</sup> 2020.
14. S.Kayalvizhi, S.Kalpana devi, R.M.Bhavadharini, "REAL TIME WATER QUALITY MONITORING USING MACHINE LEARNING ALGORITHM", International Conference on Information, Communication and Networking IECICN'20, organized by the

Department of Information Technology, Easwari Engineering College, Chennai on July 10<sup>th</sup> & 11<sup>th</sup> 2020.

15. Bhanumathi M, Akash Ganesan J, Kiruba Wellwin, Krishna Kumar R, “FIRE DETECTION AND ALARM USING GAUSSIAN BLUR BACKGROUND SUBTRACTION TECHNIQUE”, International Conference on Information, Communication and Networking IECICN’20, organized by the Department of Information Technology, Easwari Engineering College, Chennai on July 10<sup>th</sup> & 11<sup>th</sup> 2020.

### **Technical Paper Publications in National Journal in the Year 2020**

1. S. Kalpana Devi, Bitra Sainadh, Hemanth T, Hariharan K, “A Survey on Software Applications based on Blockchain Technology”, Journal of Computer Based Parallel Programming, e-ISSN: 2582-2179, Volume-5, Issue-2, (May - August, 2020), <https://doi.org/10.46610/JOCPP.2020.v05i02.001>
2. S Kalpana Devi, A Pranusha, S Priyanka, R S Ram Abhishek, “Survey on Bank Note Recognition for Smart Transaction”, Journal of Web Development and Web Designing, Volume 5, Issue 3 (September - December, 2020) <https://doi.org/10.46610/JoWDWD.2020.v05i03.004>

### **STUDENT PUBLICATION –CALENDAR YEAR 2020**

#### **INTERNATIONAL JOURNAL**

1. S. Farisha, “Security In Fog IoT-Based Healthcare Framework For Hypertension”, European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 7, Issue 11, 2020. SCOPUS
2. S. Angel Vergina, “A Real Time Water Quality Monitoring Using Machine Learning Algorithm”, European Journal Of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 07, Issue 08, 2020. SCOPUS
3. S. Angel Vergina, “An Underground Pipeline Water Quality Monitoring Using IoT Devices”, European Journal Of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 07, Issue 08, 2020. SCOPUS

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