

Dr. Sharvani G S

Papers Presented at National/International Journals

INTERNATIONAL JOURNALS

1. **C. Amith Shekhar,G. S. Sharvani** ,”A Combined Computing Framework for Load Balancing in the Multi-Tenant Cloud EcoSystem” for the International Journal of Electrical and Computer Engineering The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 (<http://ijece.iaescore.com>) is a SCOPUS indexed Journal, SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; SJR & CiteScore Q2 on both of the Electrical & Electronics Engineering, and Computer Science),
2. Vijaya Shetty,S, Guruvyas.K,R, Pranav.P,Patil, Jeevan,J, Acharya, Sharvani G S,”An Automated Essay Evaluation System Using NLP and Sentiment Analysis' for the International Journal of Electrical and Computer Engineering (Submission Period: Apr-Sep 2021) has been ACCEPTED with minor revisions. The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 (<http://ijece.iaescore.com>) is a SCOPUS indexed Journal, SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; SJR & CiteScore Q2 on both of the Electrical & Electronics Engineering, and Computer Science).
3. **C. Amith Shekhar,G. S. Sharvani**,” MTLBP: A Novel Framework to Assess Multi-Tenant Load Balance in Cloud Computing for Cost-Effective Resource Allocation “, Journal Wireless Personal Communications,1-21, Volume 118,**Issue 4, June 2021,,(SCImago, SCOPUS indexed, Quartiles : Q3))**
4. Gurunath Reddy and Sharvani G.S., “Evaluation of High-Speed Communication Interfaces For Next Gen SecureElement”, International Journal of Engineering and Advanced Technology (IJEAT), Volume-10 Issue-5, June 2021(**SCOPUS indexed**)
5. Resma K S, Sharvani, G.S 'Optimization of cloud load balancing using fitness function and duopoly theory' (IJICC-11-2020-0176.R1) International Journal of Intelligent Computing and Cybernetics Issue(s) available:52– From Volume:1, Issue:1, to Volume:13, Issue: 4 , Feb 23rd 2021(**Scopus Indexed**)
6. Vijaya Shetty S1, N K Deviah1, Sharvani G S2, Sarojadevi H1”A Radical Turn-based RPG with Combinatorial Game Theory and AI” Solid State Technology Volume: 63 Issue: 5 Publication Year: 2020, pp 3987- 3995(**Scopus Indexed**)
7. Resma K S, Sharvani, G.S., Akash Hegde, “Elastic Load Balancing In Real-Time Cloud Environment”, International Journal of Advanced Science and Technology Vol. 29, No. 12s, (2020), pp. 269-283 (**Scopus Indexed ,Quartiles : Q4**)

8. Sharvani GS, "Envisaging prominence of Indian Telecom Operators using an ensemble link based approach", Indian Journal of Computer Science and Engineering, Vol. 11, No. 3, pp. 297-310. (**SCOPUS Indexed**)
9. Amulyashree Sridhar, Sharvani GS, Ramakanth Kumar P, AH Manjunatha Reddy, Kalyan Nagaraj," Biosociolink: A Decision Support System for Analyzing Link Properties in Biological and Social Networks", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019(**Scopus Indexed, Quartiles-Q4**).
10. Amulyashree Sridhar, Sharvani GS, AH Manjunatha Reddy, Kalyan Nagaraj (2019) "The Eminence of Co-Expressed Ties in Schizophrenia Network Communities", Data, Vol.4, No. 4, pp. 149. (Web of Science, SCOPUS Indexed, **Quartiles-Q1**).
11. Nagaraj, Kalyan; GS, Sharvani; Sridhar, Amulyashree. 2019. "Encrypting and Preserving Sensitive Attributes in Customer Churn Data Using Novel Dragonfly Based Pseudonymizer Approach." *Information* 10, no. 9: 274 (**Scopus Indexed, Quartiles-Q3, Web of Science**).
12. Kalyan Nagaraj, Biplab Bhattacharjee, Amulyashree Sridhar, Sharvani GS, (2018) "Detection of phishing websites using a novel twofold ensemble model", Journal of Systems and Information Technology, Vol. 20 Issue: 3, pp.321-357, <https://doi.org/10.1108/JSIT-09-2017-0074> (**Scopus Indexed, Quartiles-Q2**).
13. Resma K S, Dr Sharvani G S," Edge distributed cloud middleboxes" International journal of advance research, ideas and innovations in technology(IJARIIT), Vol 5, Issue 3,ISSN 2454-132X, 2019,page 988-995
14. Kalyan Nagaraj, G.S. Sharvani* and Amulyashree Sridhar," Emerging trend of big data analytics in bioinformatics: a literature review" Int. J. Bioinformatics Research and Applications, Vol. 14, Nos. 1/2, 2018 IJBRA, Inderscience Online Journal, Pp 144-205. (**Scopus Indexed**, Scopus Indexed and ACM Digital Library, **Quartiles: Q4**).
15. Amith Shekhar C , Dr Sharvani G S ,” An extensive survey over traffic management / Load Balance in Cloud Computing” .International Journal of Advanced computer science and Applications, (IJACSA) ,Vol. 8, No. 3, 2017,pp 273-280.(**Quartiles: Q4**)
16. Rashmi Y Kolkar, Dr G S Sharvani, "WiFi Based GSM Based Efficient Data Collection from Sensor Network “,International Journal of Innovative Research in Computer and Communication Engineering,(An ISO 3297: 2007 Certified Organization),Vol. 4, Issue 8 ISSN(Online): 2320-9801,ISSN (Print): 2320-9798, August 2016

17. Sophia S, Dr.Sharvani G S,” A Survey on Regenerating Codes for Distributed Cloud Storage “International Journal of Engineering Research & Technology, Vol 4, Issues 06, ISSN:2278-0181, June 2015 pp 13-18
18. Sharvani G S, Tushara C K,”Cloud Resource Management – A Survey” International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 8, Aug 2014 ISSN (Print) : 2319-5940 ISSN (Online) : 2278-1021
19. Krishna Kumar S, Sharvani G S,” Unified Extensible Firmware Interface: Security solution for modern computer secure boot “IJSRD – International Journal for Scientific Research & Development| Vol. 2, Issue 05, PP 507-509 2014 | ISSN (online): 2321-0613
20. Mr. Gagan Sachdeva, Ms. Sharvani G. S.” Multi-Packet Reception Technology in Random Access Wireless Networks: A Survey ” International Journal of Computer Trends and Technology (IJCTT) – volume 12 number 1 – Jun 2014 ISSN: 2231-2803 PP 32-36
21. Ravi L. Mavani, Sharvani G. S. ,” Software methodology to generate code for device description for XMC microcontroller” **International Journal of Computer Trends and Technology (IJCTT)** – Vol 4 Issue 6, ISSN: 2231-2803 –June 2013, pp 1766-1772.
22. Sumathi M, Sharvani G.S, Dinesha H A,”Implementation of Multifactor Authentication System for Accessing Cloud Service”, **International Journal of Scientific and Research Publications**, Vol 3, Issue 6, June 2013 1 ISSN 2250-3153 pp 1-8.
23. Sharvani G S, Dr. A G Ananth and Dr T M Rangaswamy,” Analysis of different pheromone decay techniques for ACO based routing in ad hoc wireless networks”, 2012 **International Journal of Computer Applications**, Vol 56 No2, Oct 2012 pp 32 - 38.(with Impact factor 0.814).
24. Sharvani G S, Dr. A G Ananth and Dr T M Rangaswamy,” Efficient stagnation avoidance for MANETs with local repair strategy using Ant Colony Optimization”, *International Journal of Distributed and Parallel Systems (IJDPS)*, Vol 3, No 5, pp 123-137, September 2012.
25. Sharvani G S, Dr. A G Ananth and Dr T M Rangaswamy,” Ant Colony Optimization based Modified Termite Algorithm (MTA) with efficient stagnation avoidance strategy for MANETs”, *International Journal on Applications of Graph Theory in Wireless Ad hoc Networks and Sensor Networks (GRAPH-HOC)* Vol 4, No 2/3, pp 39-50, September 2012.
26. Sharvani G S , Dr T M Rangaswamy,” Efficient Pheromone Adjustment Techniques in ACO for Ad Hoc Wireless Network” **International Journal of Computer Applications** Vol 44-No 6 Pp 29-32, April 2012 (impact factor .0.835).
27. G.R. Smitha , G.S. Sharvani and Dr. T M Rangaswamy,” QoS-Novel Multipath Routing Protocol for Mobile Ad-Hoc Networks”, **Journal of Wireless**

- Communication**, CIIT Online: ISSN 0974-9640 Vol 3 No 10, Pp 719-723, July 2011(**impact factor 0.572**).
28. Aparna Shashidhar, Kashyap Manjunath Rangaraju , Sharvani G. S.”,A new framework for service support in Network Management “,International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 3, May – 2012 ISSN: 2278-0181 pp1-7
 29. Sharvani.G.S, T.M.Rangaswamy,” Efficient Packet Delivery approach for Ad-hoc wireless networks”, **International Journal on CS&IT** CSCP/vol1/cscp0104 DOI: 10.5121/csit.2011.1104, Pp 42-49 2011 (**Cited by 1**).
 30. Sharvani.G.S, T.M.Rangaswamy,” Development of swarm Intelligent systems for MANETs”, **International Journal on Recent Trends in Engineering & Technology**, Vol. 05, No. 01, ACEEE, , Pp 163-165 ,Mar 2011.
 31. Sharvani GS, Dr.T.M.Rangaswamy, Sudarshan M H, Keerthi Kiran H P,Pavankumar V V and Thandeep G B,” Resource reservation using bandwidth in MANETS for swarm intelligence algorithm: Termite”, **Journal of Telecommunications**, Volume 3, ISSUE 2, ISSN 2042-8839, PP 54-58, July 2010.
 32. Sharvani.G.S, N.K.Cauvery, T.M.Rangaswamy,” Adaptive routing algorithm for MANETs: Termite”, I **International Journal of Next-Generation Networks (IJNGN)**,Vol.1, No.1, ISSN : 0975-7023(online), ISSN : 0975-7252 (Print), Pp 38-43 , December 2009 , (**Cited by 3**).
 33. Sharvani.G.S, N.K.Cauvery,” Types of MANETs: A Survey”, **CIIT International Journal of Wireless Communication** Print: ISSN 0974-9756 & Online : ISSN 0974-9640, Pp 89-93 2009 May (**impact factor 0.572**).

Other Journals

1. SAI KEERTHANA ARUN1, DR. SHARVANI G S2, GIRISH RAO SALANKE Survey on Driver Drowsiness Detection Systems in Advanced Driver Assistance Systems, , July 2022 | IJIRT | Volume 9 Issue 2 | ISSN: 2349-6002, pp:634-642
2. Mr. Nikhit Laxman*, Dr. Sharvani G.S. Augmented Reality and Virtual Reality: Advances in Sports, International Journal of Scientific Research and Engineering Development— Volume 4 Issue 4, July- Aug 2021, ISSN : 2581-7175,pp 372- 376
3. Apoorva, Dr. G S Sharvani, “REST API Implementation using Spring MVC and Hibernate Framework”, Journal of Emerging Technologies and Innovative Research (JETIR),Issue : Volume 8 - Issue 7 – July 2021, Open access UGC approved journal, Impact Factor : 7.95
4. H S Srihari,Girish Rao Salanke N S, Sharvani G S, "Patient Profiling using Augmented Reality" IRJET journal, Issue 4,Vol 7, April 2020, Page 6596-6598
5. Auchinto Chatterjee1, Dr. Sharvani GS, “Study of Design and Development of Data Warehousing framework “,International Research Journal of Engineering and

6. Namratha Pai¹, Sharvani G.S², "Novel Tool for Conduction of Automation Testing of Optical Network Devices "IJARCCE ISSN (Online) 2278-1021 ISSN (Print) 2319-5940 International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 4, April 2020, Page- 61-63
7. Tanvi Chadaga¹, Mahantesh Shivagunde², Jyothi Shetty³, Sharvani G S⁴ , "A Review on the Role of Machine Learning in Enhancing User Experience in E-commerce Applications "International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 05 | May 2020 www.irjet.net p-ISSN: 2395-0072, Page 4511- 4514.

INTERNATIONAL CONFERENCES

1. Vijaya Shetty , Karan R., Krithika Devadiga., Samiksha Ullal, Sharvani G S and Jyothi Shetty," Kannada Handwritten Character Recognition Techniques: A Review", 4th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2022) ,10-11, February 2022, published ,Springer - Lecture Notes on Data Engineering and Communications Technologies, ISSN: 2367-4512
2. Sanjana Reddy Reddy, Nikitha Srikanth and Sharvani G S Title:Development of kid-friendly YouTube access algorithm using Deep learning, ("Lecture Notes in Networks and Systems", Springer series),Vol 132 Pages 243-250, IDSCS-2020
3. Resma K S, Dr. Sharvani G S, Manisha Soneja, "Cloud Virtualized Middlebox: An IDS" INDIA and publication Lecture Notes in Networks and Systems Volume 134, pp 321-330, 2019
4. Resma K S, Dr. Sharvani GS "A Closer Look at The Network Middleboxes", IEEE Bangalore Chapter, 2019 1st International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE)
5. Varun Sabnis, Tejaswini P D, Dr. Sharvani G S "COURSE RECOMMENDATIONS IN Moocs : TECHNIQUES AND EVALUATION", , (CSITSS 2018) Computational Systems and Information Technology for Sustainable Solutions (accepted and registered)pp59-66, 20-22 December 2018, IEEE Catalog Number: ISBN: CFP18STD-POD 978-1-5386-6079-9
6. Ashwith Atluri , Dr. Sharvani G.S "Predicting Employee Attrition From An Unbalanced Human Resources Data Set using Machine Learning" IEEE International Conference on Recent Trends in Computational Engineering and Technologies (ICRTCET '18) to be held during 17th – 18th May 2018 at Bengaluru, INDIA

7. Amit Shekar C, Dr. Sharvani G.S,” MLBM-DVF: Modeling Load Balancing and Multitenancy-Oriented Data Center Virtualization Framework” IEEE International Conference on Recent Trends in Computational Engineering and Technologies (ICRTCET '18) to be held during 17th – 18th May 2018 at Bengaluru, INDIA.
8. Srivats Raghavan Vignesh Loganathan, Vinod Rathod and Dr. Sharvani G S “Cloud Enabled Water Contamination Detection System,” , (CSITSS 2017) Computational Systems and Information Technology for Sustainable Solutions ,Pages: 1 - 4 , Electronic ISBN: 978-1-5386-2044-1,Print on Demand(PoD) ISBN: 978-1-5386-2045-8 , 21-23 Dec. 2017,
9. Kalyan Nagaraj, Amulyashree Sridhar and Sharvani G S” Identification of network communities and assessment of privacy using hybrid algorithm”, (CSITSS 2017)Computational Systems and Information Technology for Sustainable Solutions, Pages: 1 - 5 , Electronic ISBN: 978-1-5386-2044-1 ,Print on Demand(PoD) ISBN: 978-1-5386-2045-8 , 21-23 Dec. 2017 .
10. Soumya Mahalakshmi A, Sharvani G S,”SIoT FRAMEWORK TO BUILD SMART GARAGE SENSORS BASED RECOMMENDATION SYSTEM” 5th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2017), pp 277-283 Springer-Recent Findings in Intelligent Computing Techniques
11. Amulyashree Sridhar, Dr. Sharvani G. S, Kalyan Nagaraj,” Development of a robust predictive system for assessment of phishing websites using hybrid random forest and neural network model Fourth International Conference on Business Analytics and Intelligence,Date: 19 - 21, December 2016, Organized by Department of management studies and data centre and analytics lab,Venue: J.N. Tata Auditorium, IISc Bangalore page-17.
12. Mahesh B Fattepur , Dr. Sharvani G S , Jayashree B Huttanagoudar “A Solution to Improve the Performance of Geofence Enabled GNSS Chipset”International Conference on Computational Systems & Information Technology for sustainable Solution (CSITSS2016) 6-8 Oct. 2016 ,**ISBN Information: Electronic ISBN: 978-1-5090-1022-6,Print ISBN: 978-1-5090-1020-2** ,Pages: 112 - 116
13. Anjan K, Dr Sharvani G S, Dr Uma Rao,"Calibrated security measures for centralized IoT applications of smart grids" International Conference on Computational Systems & Information Technology for sustainable Solution <csitss>2016, 6-8 Oct. 2016 ,**ISBN Information: Electronic ISBN: 978-1-5090-1022-6,Print ISBN: 978-1-5090-1020-2**, Pages: 153 – 157.
14. Dr. Sharvani G S , Dr. Shobha G, Girish Rao Salanke N S, Dr. Anantha Rama V, “AN IOT ENABLED FRAMEWORK FOR GROUNDWATER MONITORING SYSTEMS” International Conference on Development of smart cities(ICDSC) September 8th -10th ,2016, AIT, Bangalore.

15. IEEE International Conference on Recent Trends in Electronics, Informatio & Communication Technology(RTEICT-2016) organised by dept of ECE,Sri Venkateshwara Engineering College of Engineering
16. Mr. Gagan Sachdeva, Dr. Sharvani G. S “Design and Implementation of an Efficient and Adaptive Asynchronous MPR MAC Protocol for WLAN” 2015 Fifth International Conference on Advanced Computing & Communication,Technologies, Rohtak,, 2015 Feb 21-22 IEEE Xplore by CPS, Pages: 595 - 601
17. Priyadarshini K S, Dr. G S Sharvani, , Prof. Prapulla S B,” A Survey on Parallel Computing of Image Compression Algorithms”, Proceedings of the International Conference , “Computational Systems for Health & Sustainability”17-18, April, 2015 – by R.V.College of Engineering, Bangalore,Karnataka, pp 101-106
18. Dr. Sharvani G.S, Rakesh R”Detection Of Blackhole Attack In Distributed Wireless Sensor “Networks” Proceedings of the International Conference , “Computational Systems for Health & Sustainability”17-18, April, 2015 – by R.V.College of Engineering, Bangalore,Karnataka,PP 206-209
19. Sharvani G S , Vinay Kumar Kolli, “An ACO-Based Efficient Stagnation Avoidance Methodology for MANETS” R. Maringanti et al. (eds.), Proceedings of Ninth International Conference on Wireless Communication and Sensor Networks, IIIT Allahabad, Lecture Notes in Electrical Engineering 299, Pp 125-132, December-2013 DOI: 10.1007/978-81-322-1823-4_12, © Springer India 2014
20. Sharvani.G.S, Dr.T.M.Rangaswamy, Aayush Goel, Ajith B, Binod Kumar and Manish Kumar,” Providing Qos using Predictive Preemptive based Local route strategy”, **International Conference on Computer Science and Information Technology** COSIT 2011. Proceeding Published by Springer LNCS Book Chapter Advances in Networks and communications ISSN 1865-0929) , Pp 55-61,Jan 2011.
21. Sharvani.G.S, Dr.T.M.Rangaswamy, N.K Cauvery,” Bandwidth Efficient routing in Swarm Intelligence”, **ICISD 2011** Vallabha Vidyanagar, Gujarat,ISBN No. 978-1-6123-3002, Pp 29-33, Jan 2011.
22. Sharvani.G.S, Dr.T.M. Rangaswamy, “QoS Methodologies in MANETs”, **International Conference on Computer Applications ICCA-2010**, Pondicherry, Pp 203-209, Dec 24-27 2010.
23. Sharvani.G.S, N.K.Cauvery, T.M.Rangaswamy,” Different types of swarm Intelligence algorithms for routing”, **International conference on Advances in Recent Technologies in Communication and computing(ARTCOM)** Pp 604-609, Kottayam, Kerala,ISBN: 978-0-7695-3845-7,Oct-2009, Proceedings published and Indexed by IEEE explorer. (Cited by 6).

National Conference

1. Santosh.C, Sharvani.G.S and Sheela Ganesh Thorenoor ,”Design of UC Technology with CEP to provide solutions to Hospital Management System”, National Conference on Recent Trends in computing Technoloty(RTCT 2011) April Vol 2,Pp 65-69

2. Anil.D.S and Sharvani.G.S,” Intrusion Detection Using Network Sniffer”, National Conference on Recent Trends in computing Technoloty(RTCT 2011) April Vol 1,pp 47-49
3. Sharvani.G.S, Deepa.G, DevikaRani M, Jaya Subha S and Radha A B”, Queue Management in MANETs using Multilevel Queue and Dynamic Buffering “,National Confernece on Recent Trends in computing Technoloty(RTCT 2011) April Vol 1, pp 104-107
4. Sharvani.G.S,” Virtual Interface Architecture for NAS”, National Conference, on “Recent Research Trends in Information Technology” March-2007,pp 92-97
5. Sharvani.G.S, N.K.Cauvery, T.M.Rangaswamy ,”Different QOS methodologies in MANETs”, National Conference on Computing , Communication and Technology(NCCT-2010), Dept of CSE, RVCE, pp 220-224
6. Sharvani.G.S, Jyothi s Shetty ,”Metaheuristic Algorithms for optimization”, National Conference on Computing , Communication and Technology(NCCT-2010), Dept of CSE, RVCE Pp 85-90
7. Sharvani.G.S, Manjula “,A study of different Load Balancing Techniques in a distributed System”, National Conference on Emerging Optimization Trends in RTOS on 18th & 19th Feb 2010, Pp 36-40