

LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS:

1. P. Venkataram, B. Sathish Babu, Basavaraj Talwar, M. K. Naveen, *A Method of Intrusion Detection for E-payment Systems in mobile e-Commerce* , 6th WSEAS Intl. Conference on Applied Informatics and Communications (AIC 06), Greece, August, 2006.
2. P. Venkataram, B. Sathish Babu, M. K. Naveen, Samyama Gunjal, *A Method of Fraud & Intrusion Detection for E-payment Systems in Mobile e-Commerce* , In the Proc. of 26th IEEE Intl. Performance Computing and Communications Conference, New Orleans, Louisville, pp. 401 ,USA, April 11-13, 2007.
3. B. Sathish Babu and P. Venkataram, *Transaction Based Authentication Scheme for Mobile Communication: A Cognitive Agent Based Approach* , In the Proc. of 21st IEEE Intl. Parallel and Distributed Processing Symposium, Long Beach, California, pp. 1- 8, USA, March 26-30, 2007.
4. B. Sathish Babu and P. Venkataram, *An authentication scheme for personalized mobile multimedia services: A cognitive agents based approach* , In the Proc. of IEEE-CSI Future Generation Communication and Networking (FGCN 2007), Jiju island, pp. 167 - 172 , Korea, Dec. 6-8, 2007.
5. P. Venkataram and B. Sathish Babu, *An authentication scheme for ubiquitous commerce: A cognitive agents based approach* , In the Proc. of IEEE Network Operations and Management Symposium Workshops, 2008. NOMS Workshops 2008, pp. 248-256, Brazil, Apr. 11, 2008.
6. Rohini B.R. and Sathish Babu B, *Modeling k-anonymity framework for the proximity-based privacy protection in context-aware LBS* , CIIT-2011, 07th-08th Nov. 2011, Pune. India.
7. Sadanand R. Inamdar, Dr. Satish Babu B. and Dr. Ravi M. Yadahalli , *Smart Antenna System using Cross Layer Design in Wireless Ad hoc Networks: Trends and Challenges* , ICN-2011, 23rd-25th, Sept. 2011, REC, Bhalki. India.
8. Mahesh Kumar K.M. and Sathish Babu B, *Intelligent Data Replication in Wireless Grid* , ICN-2011, 23rd-25th, Sept. 2011, REC, Bhalki. India.
9. Jayashree N and Sathish Babu B, *Steiner Tree-based Decentralization Mechanism (STDM) for Privacy Protection in Wireless Sensor Network* , ICIP-2011, 5th-7th Aug., 2011, Bangalore.India.
10. B. Sathish Babu and Pallapa Venkataram, *A Trust Model for Routing in MANETs: A Cognitive Agents Based Approach* , WorldComp-2011, 18th-21st July. 2011, Las Vegas, USA.
11. Sadanand R. Inamdar, Dr. Satish Babu B. and Dr. Ravi M. Yadahalli., *Exploiting smart antennas features and using cross layer design to enhance performance in wireless ad hoc networks* , CETIT-2011, May 20th-22nd, 2011, VTU, Belgaum.
12. Bhargavi K and Sathish Babu B, *CAs-based QoS Scheme for Remote Health Monitoring over WMSN* , ADCONS 2011, NIT, Surathkal.
13. Keerthi M and Dr. B. Satish Babu, *An Improved FCM's Clustering Protocol for Wireless Sensor Networks*, International Conference on Information Technology, Electronics and Communications (ICITEC-2012), March 3 –4, 2012, Bangalore, India, Pages 140-143.

14. Seema B Hegde, Adithya B, and Sathish Babu B, *Trust based notice passing protocol in academic campus: An opportunistic approach*, International Conference on Computing and Communication Networks (ICCCNT), Coimbatore, July 2012.
15. Brinda N and Sathish Babu B, *Application of Partitioned EDF Scheduling in Cloud Computing Scenario*, ICECIT 2013, Nov. 22-23, 2013, SIT, Tumkur.
16. Shruthi K and Sathish Babu B, *Context Aware Data Center Allocation in Cloud Computing Environment*, ICECIT 2013, Nov. 22-23, 2013, SIT, Tumkur.
17. Savithramma RM and Sathish Babu B, *Optimizing Pre-Copy Live Migration of VM using Dependency graph*, ICECIT 2013, Nov. 22-23, 2013, SIT, Tumkur.
18. Seema B Hegde and Sathish Babu B, *Limitations of resource pooling in MANET's*, ICECIT 2013, Nov. 22-23, 2013, SIT, Tumkur.
19. Jagadamba G and Sathish Babu B, *A Dynamic Context-Aware Access Control(CAAC) System*, ICECIT 2013, Nov. 22-23, 2013, SIT, Tumkur.
20. Sadanand R. Inamdar, Sathish babu B. and Ravi M. Yadahalli, *"Cross Layer Optimization Design Approach for Wireless Ad hoc Networks,"* in *Proc. of National Conference on Emerging Trends in Engineering & Management (NCETM)*, March 2013, PESITM, Shivamogga, Karnataka, India
21. Sadanand R. Inamdar, Sathish babu B. and Ravi M. Yadahalli, *"CROSS LAYER DESIGN APPROACH IN MANETs,"* in *Proc. of International Conference on Emerging Innovative Technologies for Sustainable World (ICEITSW)*, October 2013, SIET, Tumakuru, Karnataka, India.
22. Seema B Hegde and Sathish Babu B, *An agent based watchdog system for Urban Garbage Management*, Indian technology Congress 2014, Bengaluru, 21-22, Aug. 2014.
23. Bhargavi K and Sathish Babu B, *Cloud Based Solution to Manage Demographic Demand and Supply of Skills*, Indian technology Congress 2014, Bengaluru, 21-22, Aug. 2014.
24. Seema B Hegde, SathishBabu B, *An analysis of routing and security protocols in Opportunistic Computing*, International Conference on Contemporary Computing and Informatics, Mysore, India, November, 2014
25. Rajeshwari U and B. Sathish Babu, *Real-time credit card fraud detection using Streaming Analytics*, ICATCCT 2016, Bangalore.
26. Sahana Raj and B. Sathish Babu, *Converting an E-commerce Prospect into a Customer using Streaming Analytics*, ICATCCT 2016, Bangalore.
27. Mohan N V, Meshram Shubham, Pranav Kumar, and B Sathish Babu, *"Intelligent resource allocation and de-allocation (IRAD) scheme for cloud infrastructure services"*, International Conference DIGITS 2017, Computer Society of India, Visakhapatnam, 24-25 Feb. 2017.
28. K. Bhargavi, and B. Sathish Babu, *"Soft-set based DDQ scheduler for Optimal Task Scheduling under Uncertainty in the Cloud"*, IEEE 2nd International Conference On Emerging Computation and Information Technologies (ICECIT), 2017.

29. K. Bhargavi, and B. Sathish Babu, "*An Uncertainty-Aware Resource Provisioning in the Cloud using Type-2 Soft-Set based Inverse Reinforcement Learning*", Indian Symposium on Computer Systems (IndoSys 2018), IIT-Hyderabad, 2018.

30. Lathashree, Niveditha, Pooja, k Bhargavi, Sathish Babu B, "*Multiple CAs based framework to provide Remote Palliative Care for patients undergoing Chemotherapy*", Second International Conference on Advances in Computing and Data Sciences (ICACDS-2018) , Scopus indexed, Springer CCIS, Dehradun, India, 2018.

31. Lathashree, Niveditha, Pooja, k Bhargavi, Sathish Babu B, "*Multiple CAs based Framework with ANN for Load Balancing in Cloud Computing Environment*", IEEE International Conference for Convergence in Technology (I2CT), Mangalore, India, 2018.

32. K. Bhargavi, and B. Sathish Babu, "*Accelerating the Big Data Analytics by GPU based Machine Learning: A Survey*", Chapter, DOI: 10.1007/978-3-319-75683-7_5, In book: Proceedings of International Symposium on Sensor Networks, Systems and Security, pp.63-83, 2018.

33. Jayashree and B. Sathish Babu, "*ElGamal-based Privacy-Preserving Scheme (EPPS) for Edge-Cloud-of-Things (ECOT)*", 4th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS-2019], 20th – 21nd December 2019, RVCE, Bangalore.

34. Bhargavi K and B. Sathish Babu, "*Load Balancing Scheme for the Public Cloud using Reinforcement Learning with Raven Roosting Optimization Policy (RROP)*", 4th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS-2019], 20th – 21nd December 2019, RVCE, Bangalore.

35. Aishwarya Seth, B. Sathish Babu and S S Iyengar, "*Machine Learning Model for Predicting Insomnia Levels in Indian College Students*", 4th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS-2019], 20th – 21nd December 2019, RVCE, Bangalore.

36. Jainil Viren Parikh, Abhiram Natarajan and B. Sathish Babu, "*Library Automation System: Book cover recognition using deep learning*", 4th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions [CSITSS-2019], 20th – 21nd December 2019, RVCE, Bangalore.

LIST OF JOURNAL PUBLICATIONS [Q1:02, Q2:04, Q3:05, Q4:03]:

1. B. Sathish Babu, and P. Venkataram, *Cognitive Agents based Authentication & Privacy Scheme for Mobile Transactions (CABAPS)* , **Computer Communications - Elsevier, Vol. 31, Issue 17, PP. 4060-4071, 2008. (Scopus and Web of Science, IF: 2.816) [Q1].**

2. B. Sathish Babu, and P. Venkataram, *Performance Analysis of an Authentication Scheme for Personalized Mobile Multimedia applications: A Cognitive Agents based Approach* ,**International Journal of Security and Its Applications(IJSIA), Vol. 2, No. 4, 2008. (Scopus index).**

3. P. Venkataram, Jeremy Pitt, B. Sathish Babu, and E. Mamdani, *An Intelligent Proactive Security System for Cyber Center using Cognitive Agents* , **International Journal of Information and Computer Security (IJICS)**, Vol. 2, No. 3, PP. 235 - 249, 2008. (Scopus) [Q3].
4. B. Sathish Babu, and P. Venkataram, *Random security scheme selection for mobile transactions* , **Journal of Security and Communication Networks**, DOI: 10.1002/sec.113, Vol. 2, No. 3, 2009. (IF : 0.806) (Scopus, IF=1.376) [Q1].
5. B. Sathish Babu, and P. Venkataram, *A Dynamic Authentication Scheme for Mobile Transactions* , **International Journal of Network Security (IJNS)**, Vol. 8, No. 1, PP. 59-74, 2009. (Scopus indexed)
6. Keerthi M , B Satish Babu, Ankit Agrawal and Ritu Sama, *Application Processor Queue Prioritization*, **International Journal on Advanced Computer Theory and Engineering**, ISSN (Print) : 2319 – 2526, Volume-1, Issue-1, 2012.
7. B.Adithya and B. Sathish Babu, *Capacity and Service (CapServ) Adaptive Trust Computation by Territory Formation in Ubiquitous Environment*, **International Journal of Advanced Pervasive and Ubiquitous Computing**, 4(4), 7-18, October-December 2012.
8. Sadanand. R.Inamdar, Ravi.M.Yadahalli and Sathish babu B, *Smart antenna system using cross layer design in wireless ad hoc networks: trends and challenges*, **World Journal of Science and Technology**, 2(5):74-79 , 2012
9. B Sathish Babu, Jayashree N, Pallapa Venkataram, *Performance Analysis of Steiner Tree-based Decentralization Mechanism (STDM) for Privacy Protection in Wireless Sensor Networks*, **International Journal of Network Security**, 2013. (Scopus indexed)
10. B. Sathish Babu, K. Bhargavi , and Pallapa Venkataram, *CAs-based QoS Scheme for Remote Health Monitoring*, **International Journal of Agent Technologies and Systems (IJATS)**, Vol. 5, No. 4, PP. 44-66, Oct-Dec. 2013.
11. Sathish Babu B, Brinda, and Pallapa Venkataram, *EDF Scheduling Technique for Private Cloud Environment using Hadoop MapReduce*, **International Journal of Cloud Computing and Services Science (IJ-CLOSER)**, Vol 3, No. 4, 2014. (Scopus indexed).
12. B. Sathish Babu and Jagadamba G, "Security in Cyber-Physical Systems: A Generalized Framework based on Trust with Privacy", in "Cyber Physical Systems – A Computational Perspective", **Publisher: CRC Press, Taylor & Francis Group**, 2015
13. B. Sathish Babu and Bhargavi K, "GPU Computation and Platforms", in "Emerging Research Surrounding Power Consumption and Performance Issues in Utility Computing", **Publisher: IGI Global Publications**, 2015
14. Sadanand R. Inamdar, Sathish Babu B. and Ravi M. Yadahalli, "Key Enabling Technologies for Future MANET Applications," **International Journal of Advanced Research Electrical Electronics and Instrumentation Engineering**, Vol. 5, Issue 11, pp. 8392-8401, Nov. 2016. [ISSN: 2278-8875]. Available online: www.ijareeie.com (scientific World Index).

15. Sadanand R. Inamdar, Sathish Babu B. and Ravi M. Yadahalli, "Cross Layer Design Approach for Future MANET Applications," **International Journal of Computer Science and Mobile Computing**, Vol. 5, Issue 11, pp. 96-103, Nov. 2016. [ISSN: 2320-088X]. Available online: www.ijcsmc.com.
16. Jagadamba G and B. Sathish Babu, *Adaptive Context-aware access control mechanism for ubiquitous learning environment*, **BIJIT-BVICAM's International Journal of Information Technology**, January - June, 2016; Vol. 8 No. 1; ISSN 0973 –5658.
17. B. Sathish Babu and Savithramma R.M, *Optimized Pre-Copy Live VM Migration by Instruction Dependency Identification*, **Inderscience International Journal of Cloud Computing**, Vol 5, No. 4, 2016. (Scopus indexed) [Q4]
18. Jagadamba. G and B. Sathish Babu, "Context and Trust Based Adaptive Security for Accessing Services in Ubiquitous Environment", **International Journal of Systems and Service-Oriented Engineering**, IGI Global, Volume- 6, Issue-4, pages-1-24, December- 2016.
19. Jagadamba. G and B. Sathish Babu, "Context and Trust based adaptive security policy: A Survey", **International Journal of Computer Systems (ISSN:2394-1065)**, Volume- 03, Issue-02, February 2016.
20. Jagadamba. G and B. Sathish Babu, "Adaptive Security Schemes based on Context and Trust for Ubiquitous Computing Environment: A Comprehensive Survey ", **Indian Journal of Science and Technology (Scopus indexed)**, Volume- 9, Issue-48, 2016.
21. Sadanand R. Inamdar, Sathish Babu B. and Ravi M. Yadahalli, "A Review of MAC Solutions in Directional Communication Enabled MANETs," **Journal of Basic and Applied Research International**. Vol. 20, No. 4, pp. 202-219, March 2017. Available online: www.ikpress.org
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23. Sadanand R. Inamdar, Sathish Babu B. and Ravi M. Yadahalli, "RADMMAC: Cognitive MAC protocol using routing traffic knowledge for MANETs," **Journal of Basic and Applied Research International**. Vol. 21, No. 4, pp. 163-179, April 2017. Available online: www.ikpress.org.
24. Seema B Hegde, Sathish Babu B, "An Opportunistic AODV Routing Scheme: A Cognitive Mobile Agents Approach", **International Journal for Ad Hoc, Sensor and Ubiquitous Computing (IJASUC)**, Volume 8, Issue 1/2/3, June 2017
25. Sadanand R. Inamdar, Sathish Babu B. and Ravi M. Yadahalli, Paradigm Shift in Routing Approaches for High Speed MANET Applications, **EJERS, European Journal of Engineering Research and Science** Vol. 2, No. 1, January 2017, (IF: 0.65)
26. Sadanand R. Inamdar, Sathish Babu B. and Ravi M. Yadahalli, "Ant Based Adaptive Directional Monitoring MAC Protocol Using Smart Antennas in MANET," **International Journal of Business Data Communications and Networking (IJBDCN) –IGI Global publications, (Scopus indexed)** Vol. 14, No. 1, pp. 46-66, 2018. [Q3]

27. Seema B Hegde, Sathish Babu B, Pallapa Venkataram, "A Dynamic Security Scheme for Opportunistic Networks using Cognitive Computing", **International Journal of Mobile Computing and Multimedia Communications (IJMCMC)**, (Scopus indexed), Vol. 9, Issue 3, 2018. [Q4]
28. Bhargavi K, Sathish Babu B, and S. S. Iyengar, "Predicting the Brand Popularity from the Brand Metadata", **International Journal of Electrical and Computer Engineering (IJECE)**, (Scopus indexed), Vol. 8, No. 5, 2018. [Q2]
29. Jagadamba G. and B. Sathish Babu, A Service Oriented Adaptive Trust Evaluation Model for Ubiquitous Computing Environment, **International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC)**, Inderscience publications (Scopus indexed), Vol. 29, No. 4, 2018. [Q3]
30. Sadanand Ramchandrarao Inamdar, SathishBabu Basavaiah, and Ravi Malleshappa Yadahalli, "Co-Operative Directional Routing Protocol for MANET", **International Journal of Intelligent Engineering and Systems**, Vol. 11, Issue 2, 2018. (Scopus indexed) [Q2]
31. Jagadamba G. and B. Sathish Babu, "Keystroke Dynamics in E-Learning and Online Exams", **Biometric Authentication in Online Learning Environments**, IGI Global, 2019
32. K. Bhargavi, and B. Sathish Babu, "Uncertainty aware Resource Provisioning Framework for Cloud using Expected 3-Sarsa Learning Agent: NSS and FNSS based Approach", **Cybernetics and Information Technologies (Scopus and Web of Science indexed) Vol. 19, Issue 3, Sept. 2019. [Q2]**
33. K. Bhargavi, and B. Sathish Babu, "Soft-set based Double-Deep-Q Scheduler for Optimal Task Scheduling under Long-term Uncertainty in the Cloud", **International Journal of Engineering Sciences and Management - A Multidisciplinary Publication of VTU**, Vol: 1, No: 2, pp : 43-55, 2019.
34. Jyoti Shetty, B Sathish Babu, and G Shobha, "Proactive cloud service assurance framework for fault remediation in cloud environment", **International Journal of Electrical & Computer Engineering (Scopus indexed)**, Vol. 10, 2020. [Q2]
35. B. Sathish Babu, Bhargavi K, and K.N. Subramanya, "Optimal Parameter Prediction for Secure Quantum Key Distribution using Quantum Machine Learning Models", **Quantum Cryptography and the Future of Cyber Security**, IGI Global Publications, 2020.
36. B. Sathish Babu and N. Jayashree, "Edge intelligence models for Industrial IoT(IIoT)", **RV Journal of Science Technology Engineering Arts and Management**, Vol. 1, Issue 1, Jan 2020.
37. B. Sathish Babu and Brinda, "Opportunities for IoT in building smarter e-governance System", **RV Journal of Science Technology Engineering Arts and Management**, Vol. 1, Issue 1, Jan 2020.
38. Abhiram Natarajan and B Sathish Babu, " Minimizing downtime during software updates using micro services" , **International journal of advanced science and technology (Scopus indexed)**, Vol. 29, Issue 10, 2020. [Q4]
39. Aishwarya Seth and B Sathish Babu, "The application of focal loss in various domains: A survey", **International journal of Research in Applied Science and Engineering Technology**, Vol. 8, Issue 4, 2020

40. K. Bhargavi, B. Sathish Babu, and Jeremy Pitt, "Performance modeling of load balancing techniques in the cloud: Some of the recent competitive swarm artificial intelligence-based", **Journal of Intelligent Systems (Scopus and Web of Science indexed) Vol. 30, Issue 1, 2020. [Q3]**
41. K. Bhargavi and B. Sathish Babu, "Load Balancing, Task Scheduling, and Resource Provisioning Schemes for Cloud Computing Environment: A Survey", **Journal of Seybold report, Issue 8, 2020, 2291-2306 (Scopus indexed)**