

Dr. Jagadamba G, M.Tech, Ph.D

Asst. Professor, Department of Information Science and Engineering
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- Current Position** : Assistant Professor, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, 572103
- Qualification** : Ph.D in Computer Science and Information Science, VTU, Belagavi
M. Tech in Information Technology, VTU, Belagavi
BE in Electronics and Communication, VTU, Belagavi
- Academic Employment** : Working as Assistant Professor in the Department of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru from Sep. 2008 till date.
- Lecturer at Department of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru from Sep. 2004 to 2008.
- Lecturer at Department of Information Science and Engineering, Sri Siddhartha Institute of Technology, Tumakuru from Nov. 2003 to Sep. 2004
- Research Area** : Computer network and security, trust and context based security, Biometric security
- Research Details @** : <https://scholar.google.co.in/citations?user=gD8RHYgAAAAJ&hl=en>
https://www.researchgate.net/profile/Jagadamaba_Guru

Publications:

1. Jagadamba. G and Dr. B. Sathish Babu, A Service Oriented Adaptive Trust Evaluation Model for Ubiquitous Computing Environment, International Journal of Ad Hoc and Ubiquitous Computing, Vol.29, no.4, pp.255-269, Inderscience, Oct. 2018.(**Scopus**)
2. Jagadamba. G and Dr. B. Sathish Babu, Context and Trust Based Adaptive Security for Accessing Services in Ubiquitous Environment, International Journal of Systems and Service-Oriented Engineering (IJSSOE), IGI Global, Vol. 6, no. 4, December 2016. (**ACM digital Library**)
3. Jagadamba. G and Dr. B. Sathish Babu, Adaptive Security Schemes based on Context and

Trust for Ubiquitous Computing Environment: A Comprehensive Survey, Indian Journal of Science and Technology, Vol. 9, no. 48, December 2016.(Scopus)

4. Jagadamba G and Dr. B. Sathish Babu, Adaptive Context-Aware Access Control Model for Ubiquitous Learning Environment, BIJIT - BVICAM's International Journal of Information Technology, vol. 8, no.1, pp. 922-929, 2016.
5. Jagadamba. G and Dr. B. Sathish Babu, Context and Trust based adaptive security policy: A Survey, International Journal of Computer Systems, vol.3, no.2, pp. 102-107, 2016.
6. Chaya Shree. G and Jagadamba. G, Keystroke Dynamics in Authentication Scheme, International Journal of Computer Information Systems, Vol. 12, no.3, 2016.
7. Jagadamba G and Chaya Shree. G. Online Subjective answer verifying system Using Artificial Intelligence, Proceedings of the Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) DVD Part Number:CFP20OSV-DVD; ISBN: 978-1-7281-5463-3, IEEE, October 7th to 9th , 2020.(Scopus)
8. Jagadamba G, Rohini K C, Brinda K N, Sheeba R, Prathik S K. Adaptive e-learning authentication and monitoring, in 2nd international conference on Innovative Mechanisms for Industry Applications, IEEE, pp. 277-283, 23rd April 2020. DOI: 10.1109/ICIMIA48430.2020.9074955 (Scopus)
9. Jagadamba G, Aditya T R, Sanath S Pai, Manjunath P, Karthik Bhat U. Real Time Patient Activity Monitoring and Alert System, International conference on Electronics and Sustainable Communication Systems (ICESCS) 2-4 July, pp. 708-712, 2020. doi: 10.1109/ICESC48915.2020.9155602. (Scopus)
10. Jagadamba G, Purohit Shrinivasacharya and Chayashree G, Campus Vehicle Monitoring through Image Processing, Emerging Research In Electronics, Computer Science And Technology, pp. 305-315, 24th April 2019.(Scopus)
11. Jagadamba G and Sharath Kumar S. Adaptive context-aware access control for EPR resource in healthcare system. 6th International Conference on Advances in Computing, Communications and Informatics, IEEE, Manipal, Sep. 2017.(Scopus)
12. Chaya Shree. G and Jagadamba. G. A Three Factor Authentication System Using Keystroke Dynamic, National Conference on Recent Trends in Communication and Computing, Feb. 2016, Davengere
13. Jagadamba. G, Sharmila P and Tejus Gowda. A Secured Authentication using Keystroke Dynamics. Lecture notes in Electrical Engineering 248, 253-260, Springer, New Delhi, 2014. (Scopus)
14. Jagadamba. G and Dr. B. Sathish Babu. A dynamic Context Aware Access Control (CAAS) System. In the proceedings of International Conference on Emerging Computation and Information Technologies (ICECIT-2013), SIT, Tumkur, Elsevier, 2013.

15. Jagadamba. G, Sharmila S P and Tejus Gowda. A Secured Authentication using Keystroke Dynamics. In the proceedings of International Conference on Emerging Research in Electronics, Computer Science and Technology, Springer, 2012.
16. G. Jagadamba, B. Sathish Babu, Book chapter: Security in Cyber-Physical Systems: Generalized Framework Based on Trust with Privacy, Cyber-Physical Systems: A Computational Perspective, pp.443-462, CRC Press, Taylor & Francis Group, 2015.
17. G. Jagadamba, B. Sathish Babu, Book chapter: Keystroke dynamics in e-learning and online exams, Biometric Authentication in Online Learning Environments., pp.1-20, IGI Global, Jan, 2019. DOI: 10.4018/978-1-5225-7724-9.ch001.

Research citation/scores:

1. Google Scholar Citations: 52
2. Google Scholar h-Index : 4
3. Google Scholar i10-Index : 2
4. Research Gate Score : 4.57
5. Research Gate Citations: 19
6. Research Gate h-index: 2
7. Research Gate Reads: 1,373

Awards and Honours:

1. First prize was awarded for guided project “Secured Remote User- Server Authentication Using 3- Technique”, RNSIT, Bangalore, 2012.
2. Best paper award for paper “A Three Factor Authentication System Using Keystroke Dynamic” in the National level Conferences on Recent trends in communication and computation, GIT, Davangere, India, 2016.
3. VTU student funding for the student project “Sentimental analysis for deaf and dumb”, 2017-18.
4. VTU student funding for the student project “ Real-time patient activity monitoring and alert system”, 2019-20.

Invited Talks:

1. Simulation and VHDL coding at Siddaganga Institute of Technology, Tumakuru, Karnataka, 2006.
2. LaTeX for Documentation at Siddaganga Institute of Technology, Tumakuru, Karnataka, 2013.

3. Adaptive Security in Core banking at Informatics solution, Bangalore -2020.
4. Security in Core banking at Informatics solution, Tumakuru -2020

Recognition with the outside word:

1. Reviewer for the International journal of Adhoc and Ubiquitous computing, InderScience.
2. Reviewer for the International journals and book chapters published by Tailor and Franchise, CRC press.
3. Editor and Reviewer for the International Journal of Handheld Computing Research, IGI Global.
4. Reviewer for the 1st International conference on Advances in Information Technology-2019.
5. Reviewer for the 1st International conference PRIMA-15.

Recognition within the organization:

1. Member in Board of Examination
2. Member in Board of Studies
3. Member of internal auditing: ISO 2000 standard
4. Certified trainer for CCNA courses offered by CISCO

Recognition as professional bodies:

1. Member of All Indian Engineers
2. Life member of Computer Society of India

Academic Responsibilities:

1. Coordinator of ISO internal auditing
2. Coordinator of NAAC
3. Coordinator of NBA
4. Coordinator of Curriculum development
5. Coordinator for Conference
6. Coordinator of Workshops
7. Coordinator of Technical symposium
8. Coordinator of Cultural events
9. Coordinator of Career counseling
10. Coordinator of Midterm examination

11. Coordinator for ISE Website

Workshops organized:

1. LaTeX for Documentation, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, Aug. 20th and 21st 2013.
2. Mobile Application development using Android, Siddaganga Institute of Technology, Tumakuru, 24th to 26th Oct. 2013.
3. IoT and Python Programming, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 21st to 26th Dec. 2016.
4. R and Python Programming Using Data Analytics, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 23rd to 28th Jul. 2017.
5. Microcontroller and ARM Processor, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 21st to 26th April. 2018.

Workshops attended:

1. Campus connect programme by INFOSYS, Bangalore, 13th to 17th March 2005.
2. Advances in Computer Networking Dr. AIT, Bangalore, 02nd June 2007.
3. Workshop on Mission 10X Learning Approach Wipro, Bangalore, 15th and 16th Sep. 2008.
4. Guest lecture on Sensors networks by BITES, Bangalore, 19th Sep. 2008.
5. Advanced Programming Practice & Mobile Switching Concepts, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 28th Jan to 02nd Feb. 2008.
6. Soft Computing Tools (Genetic Algorithm/Neural Networks/Fuzzy Logic), Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 1st to 7th Aug. 2008.
7. Mobile Communications, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 19th to 24th Jan. 2009.
8. Workshop on Advanced Developer Technologies Microsoft, Bangalore, 08th April 2009.
9. Training Program on Information Storage & Management EMC, Bangalore, 29th June to 04th July 2009.
10. Semantic Web, Nature Inspired Computing & Algorithms, Dept. of ISE, SIT, Tumakuru, 24th to 30th Jan. 2010.
11. International Conference on Frontiers of Computer Science Atria Institute of Technology, IISc., Bangalore, 7th to 9th Aug. 2011.

12. Continuing Professional Development Programme on Formulation of Research & Development Initiatives for Women Scientists and Technologists, Engineering Staff College of India, Hyderabad, 29th May to 2nd Jun. 2014.
13. Information Security and Cyber Forensic Tools, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 14th to 19th Jul. 2016.
14. IoT and Python Programming, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 21st to 26th Dec. 2016.
15. R and Python Programming Using Data Analytics, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 23rd to 28th Jul. 2017.
16. Microcontroller and ARM Processor, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 21st to 26th April. 2018.
17. Microsoft Azure and Cognitive Services, Dept. of ISE, JSSATE, Bangalore, 28th and 29th Sep. 2018.
18. Block Chain Technologies, Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 22nd to 27th April 2019.
19. IoT, Embedded Systems and DSP Architecture, by BITES, Dept. of Electronics and Communication, Siddaganga Institute of Technology, Tumakuru, Karnataka, 5th to 7th August 2019.
20. Cyber Security, by AICTE Training and Learning Academy, New Delhi, Organized by Dept. of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, 9th to 13th Nov. 2020.

Interaction with Industry:

1. Information Storage and Management in partnership with EMC², Bangalore
2. CCNAv7: Introduction to Networks, in partnership with CISCO
3. CCNAv7: Switching, Routing, and Wireless Essentials, in partnership with CISCO
4. CCNAv7: Enterprise Networking, Security, and Automation, in partnership with CISCO
5. CCNAv7: Bridging Course, in partnership with CISCO

Subjects taught till date:

1. Data Communication
2. Computer Networks

3. Cryptography and Network Security
4. Ethical Hacking
5. Operating System Security
6. Operating System
7. Data Base Management System
8. Wireless Sensor Networks
9. Data Warehouse and Data Mining
10. File Structures
11. Big Data Analytics
12. Information Storage and Networking
13. Object Oriented Programming with C++
14. Analog and Digital Electronics
15. File Structures and Information Management