# 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 ISE, Siddaganga Institute of Technology, Tumakuru, 572103 |
| **Qualification** | : | Ph. D in Computer Science and Information Science, Jan. 2018, VTU, Belagavi |
| | | M. Tech in Information Technology, 2004, VTU, Belagavi |
| | | BE in Electronics and Communication, 2002, VTU, Belagavi |
| **Academic Employment** | : | Working as Asst. Professor at Siddaganga Institute of Technology, Tumakuru from Sep. 2008. |
| | | Lecturer at Siddaganga Institute of Technology, Tumakuru from Sep. 2004 to 2008. |
| | | Lecturer at Sri Siddhartha Institute of Technology, Tumakuru from Nov. 2003 to Sep.2004 |
| **Research Details@** | : | https://scholar.google.co.in/citations?user=gD8RHYgAAAAJ&hl=en |

## Published Articles :

### Refereed Journals

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.

## Publications in International Conferences

1. 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)**

2. 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)**

3. 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)**

4. 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**)

5. 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**)

6. 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

7. 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)**

8.  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.

9. 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. (**Scopus**)

## Publications in Book Chapters

1. 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.

2. 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 H-Index : 4
2.  Google scholar i10-Index : 2
3.  Research Gate Score : 3.28
4.  No. of citations (Google scholar) : 45
5.  No. of Citations ( Research Gate) : 130

**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 presented  "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 and Tumakuru branches -2020.

**Recognition with the outside word:**

1.  Editor for Book publishing by IGI global, 2019.
2.  Reviewer for the International journal of Adhoc and Ubiquitous computing, InderScience.
3.  Reviewer for the International journals and book chapters published by Tailor and Franchise, CRC press.
4.  Editor and Reviewer for the International Journal of Handheld Computing Research, IGI Global.
5.  Reviewer for the 1st International conference on Advances in Information Technology-2019.
6.  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. ISO 2000 standard -certified internal member

**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 of Workshops
6. Coordinator of Technical symposium
7. Coordinator of Cultural events
8. Coordinator of Career counseling
9. Coordinator of Midterm examination
10. Coordinator of IEEE Women's wing, SIT, Tumakuru
11. Coordinator for ISE Website

**Workshops organized:**

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

**Workshops attended:**

1. Campus connect programme INFOSYS, Bangalore 13th to 17th March 2005.

2. Advances in Computer Networking   Dr. AIT, Bangalore 2$^{nd}$   June 2007.

3. Workshop on Mission 10X Learning Approach       Wipro, Bangalore 15$^{th}$ & 16$^{th}$ Sep. 2008.

4. Guest lecture on Sensors networks    BITES, Bangalore    19$^{th}$  Sep. 2008.

5. Advanced Programming Practice & Mobile Switching Concepts,      Dept. of ISE, SIT, Tumakuru 28$^{th}$,   Jan to 02$^{nd}$ Feb. 2008.

6. Soft Computing Tools (Genetic Algorithm/Neural Networks/Fuzzy Logic), Dept. of ISE, SIT, Tumakuru, 1$^{st}$  to 7$^{th}$ Aug.  2008.

7. Mobile Communications, Dept. of ISE, SIT, Tumakuru, 19$^{th}$ to 24$^{th}$ Jan.  2009      .

8. Workshop on Advanced Developer Technologies    Microsoft, Bangalore, 08$^{th}$  April 2009.

9. Training Program on Information Storage & Management  EMC, Bangalore, 29$^{th}$ June to 04$^{th}$ July 2009.

10. Semantic Web, Nature Inspired Computing & Algorithms,   Dept. of ISE, SIT, Tumakuru, 24$^{th}$ to 30$^{th}$ Jan.  2010.

11. International Conference on Frontiers of Computer Science Atria  Institute  of  Technology, IISc., Bangalore, 7$^{th}$  to 9$^{th}$ Aug. 2011.

12. Continuing Professional Development Programme on Formulation of Research & Development Initiatives for Women Scientists and Technologists, Engineering Staff College of India, Hyderabad, 29$^{th}$May to 2$^{nd}$ Jun. 2014.

13. Information Security and Cyber Forensic Tools, Dept. of ISE, SIT, Tumakuru, 14$^{th}$ to 19$^{th}$ Jul. 2016.

14. IoT and Python Programming, Dept. of ISE, SIT, Tumakuru, 21$^{st}$ to 26$^{th}$ Dec. 2016.

15. R and Python Programming Using Data Analytics, Dept. of ISE, SIT, Tumakuru, 23$^{rd}$ to 28$^{th}$ Jul. 2017.

16. Microcontroller and ARM Processor, Dept. of  ISE, SIT, Tumakuru, 21$^{st}$ to 26$^{th}$ April. 2018.

17. Microsoft Azure and Cognitive Services, Dept. of ISE, JSSATE, Bangalore, 28$^{th}$  and 29$^{th}$ Sep. 2018.

18. Block Chain Technologies, Dept. of ISE, SIT, Tumakuru, 22$^{nd}$  to 27$^{th}$ April 2019.

19. Dept. of ISE, SIT, Tumakuru

**Interaction with Industry: Authorized course instructor for**

1. CCNAv7: Introduction to Networks
2. CCNAv7: Switching, Routing, and Wireless Essentials
3. CCNAv7: Enterprise Networking, Security, and Automation
4. CCNAv7: Bridging

**Course taught:**

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++

**Personal Information:**

1. Particulars: Born July 1980 in Mysore, India. Married, One daughter.
2. Nationality: Citizen of India.
3. Spoken Languages: Fluent in English, Hindi and Kannada.