

THEJASWINI S

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Education

Sl.no	Degree	Year	Institute	Specialization
1	PhD (Pursuing)	2023	Siddaganga Institute of Technology, VTU	CSE
2	MTech	2010-2012	Siddaganga Institute of Technology, VTU	CSE
3	BE	2002-2006	Siddhartha Institute of Technology, VTU	CSE

Professional Experience

	Date (from-to)	Designation	Organization
1	2006- Till date	Assistant Professor	Siddaganga Institute of Technology, Tumkur

(Please fill in reverse order. Current designation should be at the top)

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

- Laboratory Coordination: C , C++, Microprocessor, Data Structures , UNIX & Shell Programming, Analysis & Design of Algorithms, DBMS, CNS, NP etc.
- Test Co Ordination
- Department Library Management
- Soft Skill Co Ordination
- Research Paper publication File Documentation
- Aptitude Skills Co Ordination
- Training & Placement Co Ordination
- Mini Project Co Ordination
- Class Co Ordination

Affiliations of Professional organizations

Awards and Honors

Secured 1st Place in YUVA 2008 – The Youth Junction for “**VEGETABLE CARVING**” held at SIT, Tumkur

Courses Taught

Undergraduate Courses

1. Computer concepts and C programming	9. Storage Area Network
2. Data Structures	10. Web Design Techniques
3. UNIX and Shell Programming	11. Big Data
4. UNIX System Programming	12. Web Technologies & Its Applications
5. Microprocessors	13. Internet of Things
6. Analysis and Design of Algorithms	14. Cryptography & Network Security
7. Database Management System	15. Cyber Security
8. Csharp and .Net Technologies	16. Blockchain

Research Guidance

Research Areas

- Information Security
- Cryptography & Network Security

Sponsored Projects

Publications

Journals

- Pooja H D, Kushala G S and Thejaswini S, **“Shoot At Sight Missile”**, International Journal of Scientific Development and Research, Volume No: 5, Issue No: 5, July 2020, ISSN : 2455-2631.
- Preetham N, Vinodh M, Thejaswini S, **“Hands Free Web Browser”**, International Journal of Scientific Development and Research, Volume No: 1, Issue No: 6, Page No: 11-18, **June 2016**, Impact Factor : 2.87, ISSN : 2455-2631.
- Geetha L S and Thejaswini S, **“A Secure Symmetric Key Utilized for EasySMS Convention”**, International Journal of Innovations & Advancement in Computer Science, IJIACS ISSN 2347 – 8616 Volume 4, Issue 7, Page No: 35-37, **July 2015**.
- Thejaswini S and N R Sunitha, **“Trust Based Model for Secure Key Distribution and Routing in Mobile Wireless Sensor Networks”**, International Journal of Information Processing, 6(4), 27-41, August 10 - 12, 2012, Bangalore, India. ISSN-0973-8215.

Conference Proceedings

- Thejaswini, S., Abhishek, S., Managavi, C., Maruthi, R., **“Secure EHR Storage System using Solana Blockchain and IPFS”**, 3rd IEEE International Conference for Innovation in Technology, INOCON, Jan 2024.
- Thejaswini, S., Sinchana, P., Kestur, V.T.A., Kestur, V.T.A., Thanushree, **“ Know URL: Machine Learning-based Chrome Extension for Detection of URL Phishing”**, 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023, pp. 499–507, June 2023.
- Veena N, Thejaswini S, **“ Aadhaar Secure: An Authentication System for Aadhaar Base Citizen Services using Blockchain”**, International Conference on Cognitive Computing and Information Processing, December 2022.
- Sumalatha Aradhya, Rudra Aradhya, Thejaswini S, Soumya A, **“Real Time Vehical Tracking , Information Retrieval and Motion Analysis Using Machine Learning”**, International Conference on Intelligent Technologies, 2021.
- Thejaswini S, Karthik K, Roopashree B.H, Trupti K N, Sushma P M, **“MedSecure : A Blockchain based Authentication System for Counterfeit Medicine in**

Decentralized Peer to Peer Network”, IEEE International Asian Conference on Innovation Technology, August 2021.

- Sumalatha Aradhya, Thejaswini S, Nagaveni, **“Multicore Embedded Worst Case Task Design Issues and Analysis using Machine Learning Logic”, International Conference on Smart Innovation and Technology, PP: 531-540, 2021**
- Thejaswini S , Ranjitha K R, **“ Blockchain in Agriculture by using Decentralized Peer to Peer Network”, 4th IEEE International Conference on Inventive Systems and Controls, Page No: 600-606, ISBN: 978-1-7281-2812-2 , Jan 2020.**
- Thejaswini S and Indupriya C, **“ Big Data Security Issues and Natural Language Processing”, 3rd IEEE International Conference on Trends in Electronic and Informatics, ISBN: 978-5386-9439-8, Page No: 1307-1312, 23-25 April, 2019, Tirunelveli(Tamilnadu), India.**
- Ramanna HanumanthRao, Thejaswini S, **“Real Time Click Stream Data Analytics and Visualization”, 2nd IEEE International Conference on Recent Trends In Electronics Information Communication Technology, ISBN 978-1-5090-3704-9/17, May 19-20, 2017.**
- Megha S Anchatgeri and Thejaswini S, **“Safety and Security Issues in Natural Language Processing (NLP) – A Review”, Second IEEE International Conference on Advances in Electronics, Computer and Communications, Feb 2018.**
- Thejaswini S and N R Sunitha, **“Zero Coding for basic Security Requirements with Zero Trust Model”, International Conference on Emerging Computation, Information and Technology (ICECIT), Elsevier Publications, Nov 22-23,2013, Tumkur, Karnataka, India.**
- Thejaswini S and N R Sunitha, **“Role Based Dynamic Trust Model for Routing in Mobile Wireless Sensor Networks”, International Conference on Information Processing, CCIS 292, Page No : 28-34, Sept-Dec 2012, Bangalore, India, Springer Publications.**

Book Chapters

- Veena N, Thejaswini S , “ **Aadhaar Secure: An Authentication System for Aadhaar Base Citizen Services using Blockchain**”, Lecture Notes in Networks and Systems, Volume: 587, pp. 477–489, 2023. https://doi.org/10.1007/978-981-19-7874-6_35, Springer .
- Vinushree S , Thejaswini S, “**Blockchain Advancement for a Safe and Transparent COVID 19 Vaccination**”, 2nd International Conference on Sustainable Expert Systems, Tribhuvan University Nepal, PP: 358-371, September 17-18, 2021.
- Thejaswini S , Ranjitha K R, “**Blockchain for Management of Natural Resources using Energy Trading as a Platform**”, 2nd International Conference on Communication, Computing and Electronics Systems (ICCCES), PPG Institute of Technology, Coimbatore, Tamil Nadu , India, 21-22 OCT 2020.

Books -

Editorial -

Reviewer of Journals --

Editor/ Reviewer of Journal

Patents

- Patent Files: Methods and Systems for Routing in Wireless Sensor Networks.
Application No: 6212/CHE/2013

Invited Lectures, talks and workshops

Invited Lectures :

- The Partial course delivery on “ **Switching & Data Link Control**” for Data Communication Course organized for 5th sem CSE students by **Mr. Tulasi Dwarakanath, Senior Lead Engineer, SmartSoC Solutions Pvt, Ltd, B'lore.**
- The Partial course delivery on “ **Cryptography & Network Security**” for 7th sem CSE students by **Dr. Mahesh Kumar K M , Manager, Information Security Engineer, Jio Platform Ltd, Maharashtra.**

- Partial Course Delivery was organized on “ **PHP Scripting** ” for V semester CSE students from by **Mr. Snehil T G, Lead Software Engineer, Prakat Solutions PVT Ltd, Bangalore.**
- The partial course delivery on “**EXPLOITATION**” for Cyber Security course is organized for 8th sem students by **Dr Mahesh K M Manager, Information Security Engineer Security Assurance, Jio Platform Ltd, Maharashtra.**
- Guest Lecture was organized on “ **Practical Aspects of Web Development – An Industry Perspective**” for V semester students of CSE by **Mr. Deepak Singh, Head-Business Service, Mobile & Web App Architect, STAQO World pvt limited, Noida, Uttar Pradesh.**
- Webinar was organized on “**Internet of Things**” for IV, VI & VIII sem students of CSE by **Mr. Nitin Awasthi, R&D Specialist, APSIS Solutions, Bangalore-560062, 2021.**
- Guest Lecture was organized on “**A Dive into Decrease by a Constant Factor**” for IV semester students of CSE by **Dr. Arti Arya, Professor, PES University, Bangalore, 2021.**
- Guest Lecture was organized on “**Concurrency Control Techniques & Recovery in Database**” for V semester students of CSE by **Dr. N K Shreenath, Professor, RVCE, Bangalore, 2019.**

Workshops :

- NPTEL FDP& Certification on “**Research Methodology**”, Jan- Mar 2025.
- NPTEL FDP& Certification on “**Systems and Usable Security**” , Jan- Feb 2023.
- NPTEL FDP& Certification on “**Python for Data Science**”, Jan- Feb 2022.
- One week FDP on “ **Big Data Management : End to End Perspective**” at MSRIT, Bangalore, 2020.
- Two day FDP on “ **IoT and Cyber Security : An industry Perspective**”, at VTU, Belagavi, 2020.
- 5 day Global E- Symposium on “ **Global Pandemic Outbreak: Role of Technology and Automation**” at JSSATE, Noida, 2020.
- A Webinar on “**Future of Machine Learning and Artificial Intelligence**” on 6/5/2020.

- 4 day Professional Development Programme on “ **Formulation of Research & Development Initiatives for Women Scientists and Technologists**, Hyderabad, 2014.