

Dr.S.Vidhya

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Professional Experience

Total Teaching Experience: 20 years

Employment History

- Associate Professor, KG College of Arts and Science : July, 2022 – Till date
- Assistant Professor, KG College of Arts and Science : June, 2012 – June, 2022
- Assistant Professor, Sankara College of Science and Commerce : June, 2008 – March, 2012
- Assistant Professor, VLB Janakiammal College : June 2004 – December, 2004
- Assistant Professor, TACW, Villupuram : June 2002 – March, 2004

Positions Held

- Head of the Department – June, 2014 to May, 2019
- Director, IQAC - June, 2018 to September 2023
- Vice Principal - September, 2023 to Till date

Research Experience

Guided 02 Ph.D. scholars (awarded)

Guided 08 M.Phil. Scholars (awarded)

Currently guiding 02 Ph.D. scholars

Academic Profile

- **Ph.D.** – SCSVMV University, Kancheepuram – September, 2017
- **UGC – NET** Qualified – December, 2014
- **M.Phil.** - Annamalai University, Chidambaram. September, 2007(69.2 %)
- **M.C.A** - A.V.C.College, Mayiladuthurai.
(Affiliated to Bharathidasan University), May, 2001 (86 %)
- **B.Sc. (Computer Science)** - A.V.C. College, Mayiladuthurai.
(Affiliated to Bharathidasan University), May, 1998(83 %)

Papers published in Journals

Scopus id : 58122813800

ORCID id : 0000-0003-4575-7106

Google scholar id : nvsE2VsAAAAJ

Vidwan id : 425057

- Vidhya, S. (2021). Implementation of Format Preserving Encryption using AES with GCM Mode, Indian Journal of Natural Sciences, Vol.12 / Issue 66.
- Vidhya, S. (2021). Cloud Security by Format Preserving Encryption, Journal of Multidimensional Research & Review, Volume 2, Issue 2.
- Vidhya, S. (2020). The Role of Pivotal Data Structures in Block chain Technology. Gedrag & Organisatie Review, Volume 33.
- Vidhya, S. (2019). Format Preserving Encryption for Numeric Data Type. International Journal of Research in Engineering, IT and Social Sciences, Volume 9.
- Vidhya, S. (2018). Network Security using Python. International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), Volume 4.
- Vidhya, S. (2017). Survey of Format Preserving Encryption Modes. International Journal of Computer Science and Communication Networks, Volume 6.
- Vidhya, S., & Chitra, K. (2015). Format Preserving Encryption for Small Domain. International Journal of Computing Algorithm, Volume 4.
- Vidhya, S., & Chitra, K. (2014). Securing Data at Rest by Format Preserving Encryption Using Pass Phrase. International Review on Computers and Software, Volume 9.
- Vidhya, S., & Chitra, K. (2013). Format Preserving Encryption Using Feistel Cipher. In Proceedings of the International Conference on Research Trends in Computer Technology (ICRTCT-2013), published in International Journal of Computer Applications (IJCA), Volume 5.
- Chitra, K., & Vidhya, S. (2013). Efficient FPE Algorithm for Encrypting Credit Card Numbers. IOSR Journal of Computer Engineering (IOSR-JCE), Volume 14.
- Vidhya, S., & Chitra, K. (2013). Enhancement of Prefix Cipher in Format Preserving Encryption. International Journal of Engineering Inventions, Volume 2.

Papers published in Conferences Proceedings (9)

- Vidhya, S & Pameelarani.P.R. (2025). An Efficient Intrusion Detection System Using Deep Learning Techniques, Springer indexed Proceedings of Third International Conference ASCIS 2024.

- Vidhya, S. (2025). Secure Encryption Strategies for Multi-field Data Protection. In Proceedings of the National Conference on Emerging Technologies in Computer Science.
- Vidhya, S. & Kalaikannan, P. (2024), Preference Based CH Selection for Increasing The Survival Time of WSN. International Conference on Trends in Quantum Computing and Emerging Business Technologies
- Vidhya, S. (2024). Secure Format Preserving Encryption for Multiple Data Fields. In Proceedings of the 1st International Conference on Artificial Intelligence, Communication, IoT, Data Engineering and Security (IACIDS 2023), 23–25 November 2023, Lavasa, Pune, India.
- Dr. S. Vidhya (2023). Role of IQAC Leadership, Governance & Best Practices. In Conference on Role of IQAC Leadership, Governance & Best Practices.
- Dr. S. Vidhya (2021). Applying Format Preserving Encryption for Cloud Computing. In Global Technology Forum – 2020 on AI, Robotics and Automation.
- Dr. S. Vidhya (2021). Promoting Innovative Experiential Learning Practices through In-House Projects. In Best Practices and Their Stories in Higher Education Institutions.
- Dr. S. Vidhya (2021). Encryption on Structured Data on Cloud Using AES with GCM Mode. In Global Restructuring: Trends and New Practices.
- Vidhya, S., & Chitra, K. (2013). Format Preserving Encryption Using Feistel Cipher. In Proceedings of the International Conference on Research Trends in Computer Technology (ICRTCT-2013), published in International Journal of Computer Applications (IJCA).

Books published (2)

- Dr. S. Vidhya, Dr. V. Sathyavathy, & Dr. P. Ajitha (2025). Python Lab Manual. ISBN: 978-93-342-1003-3.
- Dr.S.Vidhya & Mr.S.Deepankumar (2022). C Programming. ISBN : 978-93-92293-32-0
- Dr. S. Vidhya & Ms. L. Padmavathy (2018). Linux for Beginners. ISBN: 978-0-359-38299-6.

Funds received

- Received a grant of ₹3,50,000 from AICTE - ATAL for organizing a Faculty Development Programme on "Comprehensive Cyber Security Techniques" in September 2024.
- Received a grant of ₹20,000 from the Tamil Nadu State Council for Science and Technology (TNSCST) in 2020 for publishing the Tamil science magazine Ariviyal Sanjikai.
- Organized two Entrepreneurship Awareness Camps (EAC) in 2018, sponsored by the National Implementing and Monitoring Agency for Training (NIMAT), Department of Science & Technology, Government of India, and received a grant of ₹20,000 each for promoting Agri Entrepreneurs and Women Entrepreneurs.

MOOC certifications

Recognized as an NPTEL Discipline Star for completing more than 50 weeks of learning and consistently scoring above 55 marks in all enrolled courses.

NPTEL Online Certifications

1. Programming, Data Structures and Algorithms using Python – September 2018
2. Python for Data Science – February 2020
3. Joy of Computing using Python – December 2020
4. Database Management System – September 2021
5. Programming in Java – April 2023
6. Data Structures and Algorithms using Java – October 2023
7. Cyber Security and Privacy – October 2024

Coursera Online Certifications

1. Data Processing using Python - March 2023
2. Crash course on Python - March 2023
3. Trees and Graphs : Basics - January 2025

Responsibilities held

- ISO Coordinator – 2016 to 2022
- NIRF Coordinator - 2016 to Till date
- NAAC Coordinator - 2016 to 2022
- Research Coordinator - 2015 to 2019
- NPTEL – SPOC - 2019 to Till date
- ICT Academy – SPOC - 2019 to Till date
- eCampus – SPOC - 2019 to Till date
- Member of Academic Council & Governing Body – 2024 to Till date

Awards received

- Recognized as NPTEL Active SPOC for four consecutive semesters.
- Best Coordinator Award 2024 – ICT Academy.
- Certificate of Recognition for outstanding contribution in Skillathon 2024 – ICT Academy.
- Certificate of Recognition for active involvement in Learnathon 2023 – ICT Academy.

Acted as Resource Person

S. No.	Date	Topic handled
1	10/05/2021	Google Apps
2	19/05/2021	Data Structures and Algorithm using Python
3	06/10/2021	Online Learning Platform
4	18/06/2023	Attainment of COs and POs
5	25/09/2023	Python Unleashed: Exploring Boundless Opportunities
6	21/01/2024	Google colab
7	05/09/2024	Cryptography and Information Security