

PROFILE

Dr.V.Sathyavathy. MCA., MPhil., Ph.D.,SET.

Director - IQAC

KG College of Arts and Science

Saravanampatti,

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Educational Qualification

- B.Sc. CT – Completed at Sri Ramakrishna Engineering College in 2004
- MCA – Completed at KGiSL Institute of Information Management in 2007
- M.Phil. – Completed at CMS College of Science and Commerce in 2013
- Ph.D. – Awarded by Karpagam Academy of Higher Education in 2021
- SET – Qualified in 2016

Academic Experience

- Assistant Professor, Sankara College of Science and Commerce from 2008 to 2011
- Assistant Professor, KG College of Arts and Science - joined in 2011
- Head, Department of Computer Technology (CT) - from 2013 onwards at KG College of Arts and Science
- Presently serving as IQAC Coordinator at KG College of Arts and Science

Industry Experience

- Worked as a Software Engineer at KG Financial Services Ltd. from 2007 to 2008.

Area of Specialisation

- Software Testing and Quality Assurance
- Cybersecurity in Autonomous Vehicles

Publications

Journals

- “Sathyavathy V, KG College of Arts and Science, **Cybersecurity Threats to Autonomous Vehicles: A Deep Learning Approach**, *Communications in Computer and Information Science*, Vol. 2429, pp. 25–34, ISSN 1865-0929,2025. (Scopus Indexed)”,
- Sathyavathy V (2025), KG College of Arts and Science, **A Novel Approach to Heart Disease Prediction Using Artificial Intelligence Techniques**, EAI Endorsed Transactions on Pervasive Health and Technology, Vol.10,2024, ISSN 24117145, 2025(Scopus Indexed)
- Sathyavathy V, D. Shanmuga Priya, **Software Testing Techniques with Artificial Intelligence in IoT Applications**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7 Issue-4S2, December 2018
- V.Sathyavathy, D.Shanmuga Priyaa, **A Model based Test Pattern Generation and Testing Framework for IoT Applications**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8, Issue-10S, 2019
- V.Sathyavathy, **A Study on Impact of Artificial Intelligence and Its Challenges in Software Testing**, Indian Journal of Natural Sciences, Vol.14 , Issue 79 ISSN: 0976 – 0997,2023
- V.Sathyavathy, D. Shanmuga Priyaa, **Evaluation of Software Testing Techniques Using Automation Testing**, Journal of Adv. Research in Dynamical and Control Systems, Vol: 9 SI: 5,2017

Conference

- In the year 2025, Published paper in Conference on Effectiveness of Cybercecurity using Artificial Intelligence Applications
- In the year 2023, Published paper A Study on Cybersecurity using Artificial Intelligence Application

Book Publications

- Published book on Software Testing and Quality Assurance
- Published book on Programming in C, C++

MOOC /NPTEL Course

Coursera Courses:

- ❖ C++ Basics: Selection and Iteration, 4 weeks
- ❖ Java Class Library
- ❖ Data Structures & Performance
- ❖ Data Analysis with Python
- ❖ Introduction to Python Programming
- ❖ Interactivity with JavaScript
- ❖ Introduction to CSS3
- ❖ C++ Basics: Selection and Iteration

SWAYAM-NPTEL Courses

- ❖ Software Testing, 4 weeks
- ❖ Programming in Java
- ❖ Research Methodology
- ❖ Introduction to programming in C
- ❖ NPTEL workshop on Theory and Practice of Side Channel Attacks in Cryptography
- ❖ NPTEL workshop on Interactive Tools and Techniques for Energized and Engaged Classes

Faculty Development Programmes

- Participated in 5-Day Faculty Development Programmes, Empowering Educators, Teaching Pedagogy, Research and Innovation Skills in the year 2024
- Participated in the Faculty Development Programme on Student Centric Programmes in Madras Christian College in the Year 2024
- Attended 5-Day Faculty Development Programme on Unleashing the Potential: Transforming Research Using Modern Tech-Tools organized by Internal Quality Assurance Cell (IQAC) of ST PAULS COLLEGE, Bengaluru from 19 June 2023 to 23 June 2023.
- Attended the Online National Faculty Development Program on “Artificial Intelligence, Machine Learning and its Application” the year 2023