RESUME

Dr. P.S.S. Akilashri M.SC., B.Ed., M.C.A., M.Phil., Ph.D.,
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Professional Summary

I am Dr. P.S.S. Akilashri, Head, Department of Computer Science in National College, Trichy. I am holding various key position, a motivated academic advisor with extensive knowledge of the education system career paths and testing standards. Exceptional communicator with advanced problem-solving skills, dependable organized and calm under pressure.

I joined as an Assistant Professor in the year 2006 with 14 years of teaching experience at the college level and 10 years of work experience at school level. In 2015, I was awarded Ph.D degree in Computer Science. I have presented 16 research papers and articles in international conference, which are published in the proceedings of IEEE and reputed journals. I am guiding 4 Ph.D scholars and guided nearly 50 UG and PG students, 6 M.Phil scholars. My research area includes Big data Analytics, Cyber Security and Digital Image Processing.

Chairman of both Research Committee and the Board of Studies in National College. I have organized 20 seminars, 10 workshops and one international conference. I have been frequently invited as chief guest for seminars and workshops organized by various colleges in and around Tamilnadu.

Education

- M.Sc., B.Ed,
- MCA.,
- M.Phil (Computer Science) with distinction
- Ph.D., (highly commended)

Responsibilities

- Vice Principal(UAP) from 2016 to 2022
- Coordinator of Gender Club
- M.Phil Program Coordinator for Computer Science from 2016 to till now
- Ph.D Program Doctoral Research Committee Chairman of Computer Science
- Board of Studies Chairman of Computer Science, Computer Application and Information Technology
- Member of Internal Quality Assurance Cell
- Examination core committee member

Key Achievements

- Conference convener for the International Conference on "Blooming Trends in Tech Challenges and Opportunities" on 2018
- Conducted Seminars from 2013 onwards
- Computer Club is organized from2016 onwards
- Organizing Symposium NACOTECH from year 2010 onwards
- Conducted Faculty Development Programme from 2017 onwards
- Inter Departmental Certificate Courses were conducted between 2008 till 2015
- Workshops are conducted from 2015
- Intra Department Events is conducted from 2018
- M.Phil Examiner for many colleges

Awards and Recognition

- **Guest of Honour Award** (St. Philomena's Hr.Sec.School) - 2022.
- **Best Teacher Award** –Gopaladas Jewellery-2022.
- **Excellence Teaching in Higher Education award-2**022 (Sakaya Trust Govt.)
- **Outstanding Teacher award -** Punch Gurukulam Trust - 2020.
- **Best teacher Award- 2019**, National College Trichy
- **Best Administrator Award- 2019**, National College Trichy
- **Certificate of Achievement** for the paper "Analysis and comparison of crack detection in metal images using Bilateral filter and Diffusion Technique" in GJAETS 2017 with an Impact factor -2.365 ISSN :2349-0292.

Publications

Research Articles

1. Analysis of Automatic Crack Detection in Metal, IJRDET, 2014
2. Thyroid Disease Prediction by Machine Learning Technique From Healthcare Communities, International Journal of Computer Sciences and Engineering 6 (11), 237-242,2018
3. Image Segmentation using Normalized Cut & Dual Wavelet Segmentation, International Journal of Innovative Science and Research Technology, Volume 3, Issue 2, February – 2018
4. Analysis of Automatic Crack Detection in Metal Surface, Global Journal of Advance Engineering Technology and Sciences, Volume 4, Issue 2, February – 2017
5. Estimation of Metal Surface Defect Using CD Segmentation, International Journal of

Engineering and Innovative Technology Volume 3 , issue 3, 2013

6. Analysis of metal surface using camera captured live images, international journal of engineering science and technology 5 (5), 1090,2013

7. Multi-Objective Optimization of Metal Parameters for Surface Roughness and Response Analysis, International Journal of Modern Engineering Research (IJMER), Vol. 6, Issue. 3 March 2016.

8. Analysis and comparison of crack detection in metal images using bilateral filter and diffusion technique , global journal of advanced engineering technologies and sciences, volume 4 issue 4, april 2017.

9. Comparison between Round Robin and Virtual Migration Algorithm Based on their Energy Efficiency Vol.06 , Issue.11 , pp.196-200, Dec-2018

10. An Analysis on Methods to Predict On Demand Based Online Agricultural Commodity of Selling Buying Using Social Computational Driven Models,Vol.06 , Issue.11 , pp.206- 209, Dec-2018

11. Association Rule Mining Classification using J48 &Navie Bayes, Vol.06, Issue.11 , pp.216-220, Dec-2018

12. A Comparative Study on Weka, Orange Tool for Mushroom Data Set,Vol.06 , Issue.11 , pp.231-236, Dec-2018

13. Data-Hiding and Compression Schema Based on Image Inpainting,Vol.06 , Issue.11 , pp.243-245, Dec-2018

14. Reducing Energy Efficiency through Virtual Machine Migration,Vol.06 , Issue.11 , pp.180-183, Dec-2018

15. Secure Data Hiding in Encrypted Video Using SVD,Vol.06 , Issue.11 , pp.251-255, Dec-2018

16. Analysis of Security Algorithms used to secure Cloud Environment,Vol.06 , Issue.11 , pp.49-54, Dec-2018

17. Multimodel Learning Analytics and Challenges- A Systematic Review, Dr. P.S.S. Akilashri, Ms.Thulasi Bharathi, International Journal of Aquatic Science 12(2), 4922-4930,2021

18. A Study of Different Encryption Techniques to Generate Keys in Cloud Computing Security, Dr.P. S. S. Akilashri and A. Ahadha Parveen, Chapter 33,Springer Nature Singapore Pte Ltd. 2022, Proceedings of International Conference on Computational Intelligence, Data Science and Cloud Computing, Algorithms for Intelligent Systems, https://doi.org/10.1007/978-981-19-1657-1_34

19. Obfuscation with Fuzzy Based Data Security Algorithm for Improving the Security in Cloud (OFDSA), A. Ahadha Parveen and P. S. S Akilashri, IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.11, November 2022

20. Performance Analysis of Decision Tree Extended Classifiers (DTEC) on Clinical Dataset of Covid Prediction Using Optimal Feature Selection, Dr. P.S.S. Akilashri, G. Nithya, Journal of Theoretical and Applied Information Technology 15th November 2022. Vol.100. No 2, ISSN: 1992-8645.

21. Prediction of Plant disease using Optimization based Machine Learning Techniques, Dr.M.Tamilselvi, Dr.P. S. S Akilashri et al., Semiconductor Optoelectronics, Vol 41 No.12,2022, 1236-1250, https://bdtgd.cn/, ISSN: 1001-5868

22. Hybrid Attention Network based Students behavior Data Analytics Framework with enhanced Capuchin search Algorithm using Multimodal Data, Ms.Thulasi Bharathi, Dr. P.S.S. Akilashri, Social Network Analysis and Mining, sep 2023, Springer Nature, https://doi.org/10.1007/s13278-023-01147-z

23. An Integrated Framework for Early Differential Diagnosis of COVID-19 using Improved Fuzzy Cognitive Map Approaches, Dr. P.S.S. Akilashri, G. Nithya, Indian Journal of Science and Technology, DOI: 10.17485/IJST/v17i23.1203, Year: 2024, Volume: 17, Issue: 23, Pages: 2390-2400

24. Cloud Dynamic and Public Auditing Scheme for Secured Data by using RSA with modified Dynamic Hash table, A. Ahadha Parveen and Dr.P. S. S Akilashri, International Journal of Intelligent systems and Applications in Engineering, ISSN:2147-67992, 294–303, Accepted: 10/02/2024

22. Secured Authentication using ECC based Fractal Fuzzy in Cloud, A. Ahadha Parveen and P. S. S Akilashri, International Journal of Intelligent systems and Applications in Engineering, ISSN:2147-6799, 184–194, Accepted: 10/02/2024

Patent Rights

"A System and method for non-linear system identification with Robust multiple model approach," APPLICATION NO. 202241032391 A, 17-06-2022.

Book

- Book entitled "**Python Programming**" Charulatha Publication, Chennai 2019. ISBN:978-93-89051-15-5

- Published Book entitled **"Programming in Python".** ISBN:978-93-91077-98-3

- Published Book entitled **"BIG DATA ANALYTICS".** ISBN:978-93-95341-79-0

Research

- Guided 6 M.Phil Scholars in Computer Science from 2016 onwards
- Presently Guiding 4 Ph.D Scholars in Computer Science

Membership in Various Bodies:

- Doctoral Commitee – St.Joseph's College, Bishop Heber College, Urumu Dhanalakshmi College, Trichy.

- Member of Board of Studies – Holy Cross College(Autonomous), Trichy, JKK Nataraja College, Komarapalayam,
- Question paper setter - St.Jospesh college, JMC,NMC,and Bharathiar University
- Scrutiny Board- Deivannaliammal College, Villupuram ,JMC and Srimad Andavan Arts & Science College ,Trichy
- External Examiner & M.Phil Examiner-- St.Jospesh college, JMC,NMC, Deivannaiammal College, Villupuram. Srimad Andavan Arts & Science College ,Trichy College,
- Chief Guest and Judge in various technical event in and around Trichy