Name	: Ms K.SURIYA	
Designation	: Assistant Professor	
Department	: Computer Applications	
Qualification	: M.C.A., M.Phil., UGC-NET.,	
Experience	: Teaching: 08Years	Research: -

Area of Specialization(s): Cloud Computing, Data Mining

Email (Official ID)   : suriyak@sigc.edu

Aadhar Number   : 9926 8547 7559

Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
UGC-NET	Computer Science	National Testing Agency	June, 2024
M.Phil.,	Computer Science	Cauvery College for Women(Autonomous)	2012
MCA	Computer Applications	Shrimati Indira Gandhi College,Trichy	2010
B.Sc.,	Physics	Shrimati Indira Gandhi College,Trichy	2007

Book Publications

1. Published a Book Chapter on "Chat GPT" in the Book entitled Applied Artificial Intelligence with ISBN 978-93-93622-71-6 Published in August-2024.

2. Published a Book entitled "The Impact of Generative AI : Innovations and Applications in the Modern World" with ISBN: 978-81- 979918-5-1 in September 2024.

3. Published a Book Chapter titled "Network Function Virtualization (NFV): Transforming Network Architecture" in the book Next-Gen Computing: Concepts in AI, Networks and Digital Security with ISBN 978-93-48990-44-0 published in August-2025.

Paper Publications

1. Published a Paper "Security issues Associated with big data in cloud computing" in international journal"International Journal of Computer Science and Information Technology". IJSCIT, Volume6 (6), 2015, 4952-4956.

2. Published a Paper "Security concerns and solutions for cloud computing" in international journal" International Journal of Computer Network and communications security".IJCSCN (2249-5789) Journal, Volume5, Issue2, April-May- 2015

3. Published a Paper in "International Journal of Computer Science and Information Technology". IJSCIT,Volume6(6),2015,4952-4956.June-2015

4. Published a Paper "SBVLC: secure barcode-based visible light communication for smartphones" in International Journal of Research Science and Engineering- May 2017.

5. Published a Paper titled "Envelope Smaking Techniques for Precluding Discerning Squeezing Attacks" and "Mobile Computing with Wireless LAN and its Modes Ad Hoc Network With Challenges" in International Journal of Scientific & Engineering Research- Volume 9,Issue 4,April-2018.

6. Published a Paper titled "AI and Cyber security: Protecting the Digital World" in International Journal of Novel Research And Development with ISSN:2456- 4184,Volume 10 Issue 2 , February -2025.

7. Published a Paper titled " Computer Vision Artificial Intelligence: Progress, Uses, And Future Prospects" in the Journal -International Journal of Computer Techniques – IJCT with ISSN :2394-2231, Volume 12 Issue 4, July - August-2025.

Presentations in Conference

1. Presented a paper an "Approach to protect the privacy of cloud data mining- based attacks "in International conference on competency building strategies in business and technology for sustainable development on 25th Feb 2014 held at Sri Ganesh school of Business Management, Salem.

2. Presented a paper Smart Home Technologies in National Conference on "Future trends in applied mathematics and computer technology"-NACOFACT 15 on 26th Feb 2015 held at Aiman College of Arts and Science foe women, Tiruchirappalli.

3. Presented a paper "Security and Privacy Issues in Cloud Computing" in International conference on competency building strategies in business and technology for substainable development on 20th Feb 2015 held at Sri Ganesh school of Business Management, Salem.

4. Presented a paper entitled " Internet of Things Protocols, Smart systems, Challenges and future Technologies" in National conference on Recent Trends in Science & Technology(NCRTST-2022) on 8th November 2022 held at St. Theresa's Art and Science College for Wome,Thrangambadi,Mayiladuthurai.

5. Presented a Paper entitled "Data Science Meets Datamining Challenges, Techniques and Applications" in International Conference on Intelligent Computing Systems organized by the Department of Computer Applications, Bishop Heber College (Autonomous), Tiruchirappalli held on 25th February 2025.

6. Presented a Paper entitled "Federated Learning -Privacy Preserving AI for Decentralized Data" in International Conference on Emerging Trends in AI and Machine Learning organized by the Department of Computer Science and Applications, Vivekanandha Arts and Science College for Women, Sankagiri, Salem held on 28th February 2025.

7. Presented a Paper entitled "Dynamic Workload Management in Cloud Computing with Artificial Bee Colony and Priority-Based Queuing" at the 4th International Conference on Innovative Mechanisms for Industry Applications(ICIMIA 2025) ORGANISED BY Sasurie College of Engineering ,Tirupur,India on 3-5 September 2025.

8. Presented a paper titled Deep Learning and Neural Networks: Foundations and Applications in International Conference on Advances in Machine Learning, AI and Emerging Technologies (ICAMET'25) Organized by P.G.Research Department of Computer Science,Dhanalakshmi Srinivasan College of Arts and Science for Women(Autonomous)-Preambular on 11.10.2025.

Participation in Conference

1. Participated in National Conference on "Emerging trends in advanced computing "on Feb 27th 2015 held at Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur.

2. Participated in National Conference on "Emerging trends in open source and green computing "on Feb 27th 2014 held at Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur.

Participation in Seminars

1. Participated in Two day International Seminar on "Recent Trends in Computer Applications" on 21st & 22nd Sep 2017 held at Model Constituent College of Arts and Science, Tittagudi.

2. Participated in National Level Seminar on " Big Data & Challenges " on 26th Sep 2022 Organised by School of Computer Science,Engineering & Applications,Bharathidasan University,Tiruchirappalli.

3. Participated in Two day National Level Seminar on "Impacts of NEP2020 in Higher Education Institutions of Rural Sector" on 2nd & 3rd Sep 2022 held at Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous), Perambalur.

4. Participated in International webinar on "Google Colab"-Verticals in Education & Research organized by Department of Computer Applications,DPS School of Technology and Management,Gurugram,Haryana in association with Department of Research & Publications, A2Z EducationLearningHub on LLP,Kerala on 23.03.2023.

5. Participated in International webinar on "Web Development using Codeless Tools" organized by Department of Computer Applications,DPS School of Technology and Management,Gurugram,Haryana in association with Department of Research & Publications, A2Z EducationLearningHub on LLP,Kerala on 18.04.2023.

6. Participated in Webinar titled "Web Scraping using Python" organised by Department of Research & Publications, A2Z EduLearningHub LLP, India on 7th September 2023.

7. Participated in One Day International Seminar on "Exploring Future Technological Froniters (ISEFTF-24)" organised by the PG Department of Computer Science, AIMAN College of Arts and Science for Women (Autonomous), Tiruchirappalli on 17.02.2024.

8. Participated in Six Days International Webinar Series on "Enterprise Strategy & Perspective of Generative Ai And Its Implications" organized by Department of Computer Applications, SRM Institute of Science and Technology, Ramapuram Campus from 18/08/2025 to 23/08/2025.

Participation in Workshop

1. Participated in National workshop on "Advanced formatting tool Latex" on march 5th 2015 held at Srimad Andavan Arts and Science (Autonomous), Tiruchirappalli.

2. Participated in Workshop under AICTE Vibrant Advocacy for Advancement and Nurturing of Indian Languages (VAANI) on Data Science & AI : Bridging Language Barriers in Technology in Tamil language at SHRIMATI INDIRA GANDHI COLLEGE from 18/08/2025 to 19/08/2025.

Participation in International Lecture

1. Participated in International Lecture titled "Multidiscliplinary Research in Education" organised by DPG Degree College,DPG School of Technology and Management & Chodhary Pratap Singh Memorial College of Education with A2Z EducationLearningHub on 09.02.2023.

2. Participated in International Lecture titled "Standard Styles and Methods in Research Article Writing" organised by Department of Research & Publications, A2Z EducationLearningHub on 05.06.2023.

3. Participated in International Lecture titled "Fundamentals of Blockchain Technology" organised by Department of Research & Publications, A2Z EducationLearningHub on 07.06.2023.

Participation in Orientation Programme/Short Term Courses

1. Participated in UGC Sponsored Online Short Term Course from 07.12.2022 - 13.12.2022 in "E-Content Development" Organised by University Grant Commission and Human Resourse Development Centre-Bharathidasan University-Tiruchirappalli.

2. Participated in "Introduction of Intellectual Property Rights & Innovation" organised by Patrician Institution's Innovation Council and school of Media studies, Minjur on 12.02.2024.

3. Participated in Two Week "Online Women Entrepreneurship Programme" sponsored by Department of Science and Technology, Government of India organized by R.M.K Engineering College, Chennai during 12.2.2024 to 24.2.2024.

4. Attended and Completed the NEP 2020 Orientation &Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi in collaboration with Central University of Jharkhand,Jharkhand from 22– 30 September 2025.

Participation in Faculty Development Programme

1. Participated in Seven day Virtual National Level Faculty Development Program on "Research Methodology" organized by Department of Commerce,PPG College of Arts and Science,Coimbatore from 12.12.2022-19.12.2022.

2. Participated in "Online Faculty Development Programme for Young Faculty Members of Higher Education Institutions" organised by St.Aloysius College,Elthuruth,Thrissur on 30.01.2023.

3. Participated in One Day International FDP on "Innovative Techniques in Artificial Intelligence and Deep Learning" organized by the Pg Department of Computer Applications, C o m p u t e r S c i e n c e , Data S c i e n c e , Department o f B. Voc. Software Development & PG Department

   of Library and information Science, Holy Closs College (Autonomous). Tiruchirappalli on 07.08.2023.

4. Participated in National level One Week Online Faculty Development Programme on "Outcome Based Education and Application of Generative AI in Teaching and Research" organized by St. Mary's College (Autonomous), Thrissur, Kerala in association with the Collegiate Education Department, Government of Kerala from 17 October 2024 to 24 October 2024.

5. Participated in National level One Week Online Faculty Development Programme on "Indian Knowledge System" organized by IQAC and Centre for Ethics and Human Values Seethalakshmi Ramasamy College, Tiruchirappalli from 25.11.2024 to 30.11.24.

6. Participated in a one day Faculty Development Program titled "AI-Powered Teaching and Research Tools for the Next Generation Educators" organized by the Department of Computer Science and Engineering of Christian College of Engineering & Technology, Dindigul on 28.07.2025.

7. Participated in one day Faculty Development Program titled "Data Analytics Using Power BI" organized by Atria Institute of Technology (AIT), Autonomous, Bangalore, Karnataka. and Annasaheb Dange College of Engineering and Technology, Ashta, Maharashtra in Collaboration with ExcelR Edtech Pvt. Ltd. From 28.07.2025 to 01.08.2025.

8. Participated in a Five day National Level Faculty Development Program titled "Deep Dive into Functional AI Opportunities" organized by Audyogik Tantra Shikshan Sanstha's, Institute of Industrial and Computer Management and Research (NAAC Re-Accredited, Affiliated to SP Pune University, Approved by AICTE New Delhi, (Recognized by Govt. of Maharashtra) MBA@IICMR from 04.08.2025-08.08.2025.

9. Participated in a Five day Faculty Development Program titled " Recent Trends and Emerging Technologies in Computer Science: Innovations, Applications, and Research Perspective" organized by the department of Computer Applications and Computer Science of St. Joseph College Arts and Science ,Kovur-chennai from 18.08.2025-22.08-2025.

10. Participated in One day National Level Faculty Development Program titled "Interactive and Immersive Learning with AR/VR for Next Gen Classrooms" organized by the department of Artificial Intelligence and Data Science of Vivekananda College of Arts and Science College for Women sankari,Salem Dt. on 25.08.2025.

Editorial/Review Board Member

Member of Editorial Board for an edited book " Practical Applications in IOT " (ISBN: 978-93-48990-56-3) on June 2025

Awards/ Honors

Received prestigious "Kalam Award-2025" on 27/07/2025 from SILAMPOLI FOUNDATION in recognition of outstanding academic contributions, unwavering dedication to the pursuit of knowledge, and inspirational impact on society- reflecting the visionary ideals of Dr. A.PJ. Abdul Kalam.