Name	:	**Ms. Sathiya Priya A**
Designation	:	Assistant Professor
Department	:	Information Technology
Qualification	:	MCA, (Ph.D.)
Experience	:	Teaching - 4 Years | Research - 1 Year
Area of Specialization(s)	:	Image Processing, NLP
Email (Official ID)	:	sathiyapriya.a@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	CMS College of Science and Commerce	Pursuing
MCA	Computer Applications	Avinashilingam Institute for Home Science and Higher Education for Women	2016
B.Sc.	Information Technology	Hindusthan College of Arts and Science	2013

Additional Qualifications

Dip./ Cert.	Area of Specialization	Institution / University / Agency	Year
Certificate	Advanced level	Innovation Ambassador Training	2023
Certificate	Foundation Level	Innovation Ambassador Training	2023
Certificate	Cloud Infrastructure & Services	EMC^2 and Microsoft	2016

Publications: International / National Journals

- A. Sathiya Priya, B. Sumathi "Feature Extraction Based on Cellular Particle Swarm Optimization Algorithm for American Sign Language Images" IJIRIS, Issue 03, P-ISSN 2349 - 7009, Pg: 204-211, Volume 09, June 2023, DOI: 10.26562/ijiris. 2023.v0903.27.

- A. Sathiya Priya, B. Sumathi "Recognition of Sign Language using Image Preprocessing Techniques" JXAT JOURNAL, Issue VII, ISSN 1006-7930, Volume XIV, July 2022.

- A. Sathiya Priya, B. Sumathi "Real Time Speech Recognition System Using FFT", Recent Trends in Technology, Management, Business and Social Sciences, July 2022.

- A. Sathiya Priya, R. Reshma, "Integrated Services Digital Network Router and Routing Progression" International Advanced Research Journal in Science, Engineering and Technology (IARJSET), ISSN (Online) 2393-8021, ISSN (Print) 2394-1588, Volume 7, Issue 1, January 2020.

- A. Sathiya Priya, K.P. Aakash, "Child Orphanage Automation System", International Advanced Research Journal in Science, Engineering and Technology (IARJSET), ISSN (Online) 2393-8021, ISSN (Print) 2394-1588, Vol. 7, Issue 3, March 2020.

- A. Sathiya Priya, P. Jaya Surya "Voice Based Assistant in Atm Model", International Advanced Research Journal in Science, Engineering and Technology (IARJSET), ISSN (Online) 2393-8021, ISSN (Print) 2394-1588, Vol. 7, Issue 3, March 2020.

- A. Sathiya Priya, "Generations in Wireless Network", International Journal of Computer Sciences and Engineering (ISROSET), Vol.7, Issue.5, pp.124-128, 2019, ISSN:23472693, May 2019.

- A. Sathiya Priya, R. Reshma, "Optimal Broadcast for Multihop Wireless Network through Collision Resolution", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.6, Issue 2, Page No pp.837-841, June 2019.

Book Chapters

- A. Sathiya Priya, B. Sumathi, "Real Time Speech Recognition System Using FFT" in Recent Trends in Technology, Management, Business & Social Science by Sankara College of Science and Commerce, Aug 2023, ISBN 978-93-5627-535-5, Pg: 1-5.

- A. Sathiya Priya, B. Sumathi "Virtual Automatic Wheelchair for Special People" in Constructive Discontent in Execution: Creative Approaches to Technology and Management by Apple Academic Press, December 2022, ISBN: 978-1-00331-483-7, Pg:1-12.

Book Publications

- A. Sathiya Priya "Natural Language Processing", Prime International Publication, ISBN: 978-93-6010-931-8, December 2023.

Participation in Conference

- A. Sathiya Priya, B. Sumathi "Cellular Particle Swarm Optimization Based Optimized canny Techniques for Edge Detection in Sign Language Digital Images" on 2nd ICESS-2023, Sri Balaji College of Engineering and Technology, Jaipur, 22 June 2023.
- A. Sathiya Priya, B. Sumathi "Cellular Particle Swarm Optimization Based Optimized Canny Technique for Edge Detection in Sign Language Digital Images" in 7th Global Leadership Research Conference 2022, Amity Business School, Noida, India ON 16-18th Feb 2022.
- A. Sathiya Priya, B. Sumathi "Virtual Automatic Wheelchair for Special People" in 6th Global Leadership Research Conference 2021, Amity Business School, Noida, India on 25 - 27th February 2021.
- A. Sathiya Priya, N. Vaishnavi "Artificial learning and its application – Review" Proceedings at International Conference on AI for Sustainable Development – Challenges and Opportunities in VET Institution of Arts and Science college on DEC 2022, ISBN: 978-93-95422-56-7, Pg:191-200
- A. Sathiya Priya, "Integrated Services Digital Network Router and Routing Progression" in the 10th National Conference on "Machine Learning and Smart Technology", Sri Krishna Arts and Science College on 12th Feb'20.
- A. Sathiya Priya, "Integrated Services Digital Network Router and Routing Progression" in the 7th National Conference on "Recent Trends and Advance in The Field of Information Technology", Karpagam Academy Higher Education on 27TH Sep'19.
- Dr. P. Subashini, Dr. M. Krishnaveni, Ms. T.T. Dhivyaprabha, Ms. A. Sathiya Priya, 2016, "Optimized Classification Based on Particle Swarm Optimization Algorithm for Tamil Sign Language Digital Images" Proceedings at International Conference on Computation System and Information System for Sustainable Solutions (CCSISS 2016), in RV College of Engineering, Bengaluru, on 06 - 08 October 2016, ISBN: 978-1-5090-1022-6.

Participation in Seminars/Workshop

- **Android App Development**, Kongunadu Arts and Science College, Coimbatore, 2014.
- Participated in **one day Power Seminar on Big Data and Business Analytics**, ICT Academy of Tamil Nadu in collaboration with Avinashilingam University, Coimbatore, 2014.

- Participated in **SERB sponsored One Day Seminar on Opportunities in Assistive Technology**, Avinashilingam University, Coimbatore, 2016.
- Participated in Two Day Seminar on Practices on **Digital Services for the Nation Building**, Avinashilingam University, Coimbatore, 2016.
- Participated in Three Day Workshop on **Geographical Information System** (GIS) using open-Source Software, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 2017.
- Pre-Conference Workshop on **Video Computing Using SCILAB** at The Gandhigram Rural Institute – Deemed University, Gandhigram, 26-Jan-17.
- Pre-Conference Workshop on **Video Restoration Techniques and Applications** at The Gandhigram Rural Institute – Deemed University, Gandhigram, 26-Jan-17.
- Workshop on **Research Article Writing,** CMS College of Science and Commerce, Coimbatore, 2022.
- International Seminar on **Cache Efficient Computing,** Hindustan College of Arts and Science, Coimbatore, 16-Sep-21.
- Two Day National Level Virtual Workshop on **Research and Related Tools**, CMS College of Science and Commerce, Coimbatore, 2022.
- **Timeline Presentation**, CMS College of Science and Commerce, Coimbatore, 23-Mar-22.
- **Annual Research Consortium**, CMS College of Science and Commerce, Coimbatore, 24-Mar-22.
- Two Day Webinar on **Internet of Things,** CMS College of Science and Commerce, Coimbatore, 5 and 6-Jun-20.

Participation in Faculty Development Programme

- **Data Analytics using Python.** ICT Academy at PSG ITech, Coimbatore, 25 to 30-Sep-23.
- **Research Proposal Writing,** CMS College of Science and Commerce, Coimbatore, 31-Mar-21.
- **Digital Citizenship for New Age Teachers,** Sri Ramakrishna College of Arts and Science, Coimbatore, 4 to 8-Oct-21.
- National Training Programme on **Sustainable Coastal Community Based Disaster Risk Reduction,** The Tamil Nadu Dr. Ambedkar Law University, Chennai & National Institute of Disaster Management, New Delhi, 21 to 23-Jun-21.

Patent

- AI & IOT based Smart Pharm Meditation for Disabled Bedridden Patients**,** 4-Feb-22**.**

Editorial / Review Board Member

- Reviewer, International Conference on Computational Science and Sustainable Technologies, 8 & 9-May-2023.
- Reviewer in IJCRT - International Journal of Creative Research Thoughts, Member ID: 115157.

Membership in Professional Bodies

Name of the Professional Body	Nature of
IJCRT RMS- Reviewer (Member ID: 115157)	Life-time
IAENG Member No: 250043	Life-time
Society of Digital Information and Wireless Communications (ID: 26810)	Life-time
Reviewer in IJCRT - Member ID is: 115157	Life-time

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Outstanding Performance	Adithya College of Arts and Science	2023