

Name : Dr. C. RAJESWARI

Désignation : Assistant Professor

Department: B.Sc. CS with GCD

Qualification: MCA, M.Phil., SET, Ph.D.,

Experience: 14 Years

Area of Specialization: Image Processing

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PROFESSIONAL EXPERIENCE:

- Worked as **Assistant Professor** in Srimathi Sundaravalli Memorial Arts and Science College, Chennai from **June 2025 to May 2026**.
- Worked as **Assistant Professor** in Soka Ikeda College of Arts and Science for Women, Chennai from **June 2015 to June 2024**.
- Worked as **Assistant Professor** in Thirumalai Engineering College, Kanchipuram from **June 2013 to April 2014**.
- Worked as **Guest Lecturer** in Sri Meenakshi Govt. College for Women, Madurai from **September 2008 to March 2012**.

EDUCATIONAL QUALIFICATION:

Degree	Board/University	Year of Completion
Ph.D.	SCSVMV University Kanchipuram	2024
M.Phil. (CS)	SCSVMV University Kanchipuram	2013
SET	Mother Terasa University, Kodaikanal	2016
Master of Computer Application	Sri Meenakshi Govt. College for Women/ Madurai Kamaraj University	2008
Bachelor of Science (Mathematics)	Sri Meenakshi Govt. College for Women/ Madurai Kamaraj University	2005

LIST OF PUBLICATIONS:

- “Enhancing Image Compression Techniques using Thresholding Haar Transform for Medical Imaging”, Journal of Systems Engineering and Electronics (JSEE), ISSN: 1671-1793, Volume 34, Issue 7, 2024.
- “Image Compression Using Local Map View Technique”, **Scopus Indexed** Indian Journal of Computer Science & Engineering (IJCSE), e-ISSN: 0976-5166, Vol. 12, No. 3, May- June 2021.
- “An Efficient Functionality Learning Image Compression by Ift Technique”, International Journal of Engineering & Advanced Technology (IJEAT), ISSN 2249-8958, Volume 10, Issue 1, October 2020.
- “Enhanced Image Compression Technique using Thresholding Haar Transform for X-ray Images”, Collective Intelligence & Computing Revolution Technologies on 2nd March 2020.
- “Enhancing Image Compression Process using Thresholding Haar Transform for X-Ray Imaging”, IPASJ International Journal of Information Technology (IJIT), ISSN 2321-5976, Volume 6, Issue 9, September 2018.
- “Image Compression Process Using Eight Bit Plane Construction On Joint Photographic Experts Group Image In Matlab”, Current Trends in Technology and Science (CTTS), ISSN: 2279-0535, Volume: VII, Issue: II, May 2018.
- “Block Truncation Coding and Calculating Compression ratio using Matlab“, JIRAS, National Conference on NCIOT’18 at Sri Vasavi College, Erode, ISSN: 2348-3636, Vol.No.4, Issue 1, April 2018.
- “Fingertip Tracking Application for Hand Gesture Recognition”, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), ISSN: 2320-9801, Vol. 4, Issue 5, October 2016.
- “Comparing Elapsed Time using Subplot and Imshow function in DCT2 Image Compression”, International Journal of Science and Innovative Engineering & Technology (IJSIET), ISBN 978-81-904760-7-2, Issue Volume 2, May 2015.
- “Using Discrete Cosine Transform 2 to achieve High Peak Signal-to-Noise Ratio in Image Processing”, International Journal of Computer Applications, IJCA (0975 – 8887), Volume 98– No.10, July 2014.
- “Analysis of MPC Image Compression using DCT 2 in Matlab”, International Journal of Computer Application, Volume 73, No.14, July 2013.

PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMME:

- Participated FDP on “AI and Machine Learning for All: Foundations, Applications, and Future Trends” from 20th to 25th July 2026 organized by MITS Deemed to be University, Madanapalle, India.
- Participated in the Five – Day National Level Online FDP on “Generative AI for Natural Language Processing: Emerging Trends and Applications” at Kangeyam Institute of Technology, Kangeyam held from 27th July 2026 to 31st July 2026.
- Participated in the Five Days Online International FDP on “Recent trends in computational intelligence” at Bon Secours College for Women, Thanjavur from 14.02.2022 to 18.02.2022.
- Participated in the FDP on Research Paper Writing at Soka Ikeda College of Arts & Science for Women, Chennai on 29.05.2021.
- Participated in the FDP on “DATA ANALYTICS FOR INNOVATIVE RESEARCH at Sri Kanyaka Parameswari Arts & Science College for Women, Chennai from 17.05.2021 to 21.05.2021.
- Participated in the 2 days FDP on DIGITAL AGE TRANSFORMATION at Sri Meenakshi Govt. Arts College for Women, Madurai from 05.06.2020 to 06.06.2020.
- Participated in the Two Days FDP on “Research Methodology” at Jeppiaar Institute of Technology from 01.06.2020 to 02.06.2020.
- Participated in Two Days FDP on Introduction to Data Science at Guntur Engg. College from 18.05.2020 to 22.05.2020.
- Participated in One Week FDP on Scilab at Geethanjali Institute of Science and Technology from 11.05.2020 to 16.05.2020.
- Participated in the Two Weeks FDP on " Managing Online Classes and Co-Creating MOOCS " at Ramanujan College, Delhi from 20.04.2020 to 06.05.2020.
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PARTICIPATION IN WORKSHOP:

- Participated a 2-day workshop on “Basics of Unity RT3D, VR Fundamentals, and Unity Studio” at PSGR Coimbatore on 23rd & 24th July 2026.
- Participated in Workshop on “Data Mining Research Using WEKA” at SSS Shasun Jain College for Women, Chennai on 19.05.2021.

- Participated in The GASS National Research Online Workshop on “How to Write and Publish” at Truba Group of Institutions, Bhopal from 06.05.2021 to 07.05.2021.
- Participated in the Two-day Workshop on “Digital Image Processing using Scilab” at Adhiparasakthi College of Engg., Chennai from 15.06.2020 to 16.06.2020.
- Participated in the Two Day National Workshop on “Modelling, Simulation & Implementation using Mat Lab”, at Bon Secours College for Women, Thanjavur on 31.8.18 – 01.09.18.
- Participated in the National Level Workshop on “Data Security” at Nazareth College of Arts & Science, Chennai on 09.02.2018.
- Participated in the National Workshop on “Matlab & Analytics NWMATLAB-2014”, at Jeppiaar Engineering College, Chennai on 01.08.2004

PARTICIPATION IN SEMINAR:

- Participated in National Seminar on “Politics, Democracy and Governance and 9th edition of Sansad Ratna Awards 2018” at IIT Madras, Chennai on June 9, 2018.
- Participated in “ISO 9001:2015 Internal Quality Auditor Training Programme” on October 28, 2017.
- Participated in the National Seminar on “Interdisciplinary & Transdisciplinary Approach in Research (ITAR2015)”, at D.G.Vaishnav College on March 13 & 14 2015.

PARTICIPATION IN CONFERENCE:

- Presented a paper in the International Conference on “Comparative Analysis of THT, IFT and LMV Technique in Image Processing” at Nehru Arts & Science College, Coimbatore on 10.05.2022.
- Presented a paper in the National Conference on “Block Truncation Coding and Calculating Compression Ratio Using Matlab” at Sri Vasavi Collge, Erode on 23.02.2018.