

Name : RADHIYA DEVI C

Designation : Assistant Professor

Department : Commerce CA

Qualification : M.Sc., M.Phil., SET, (Ph.D.)

Experience : Teaching – 15 Years

Specialization: Digital Image Processing

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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Vellalar College for Women, Erode	Pursuing
M.Phil.	Computer Science	Vellalar College for Women, Erode	Mar 2010
M.Sc	Computer Science	St. Joseph's College for Women, Tirupur	Apr 2008
B.Sc	Computer Science	St. Joseph's College for Women, Tirupur	Apr 2006

Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution / Agency Name	Year
SET	Computer Science	Mother Teresa University	2018

Research Publications (Indexed)

- C. Radhiya Devi and S. K. Jayanthi, “International Journal of Intelligent Systems and Applications in Engineering”, DCNMAF: Dilated Convolution Neural Network Model with Mixed Activation Functions for Image De-Noising.” [Online]. Available: www.ijisae.org - (Scopus indexed Journal).
- C Radhiya Devi, et al. (2023). De-Noising of Apple Fruit Images using Dilated Convolution Neural Network model with Mixed Activation Function. International Journal on Recent and Innovation Trends in Computing and Communication, 11(10), 2338–2345. <https://doi.org/10.17762/ijritcc.v11i10.8955>(Scopus indexed Journal).
- Devi, C. & Jayanthi, S.K. (2024). Enhancing Apple Disease Detection with Pixel Pyramid Net through Pixel-Level Segmentation and Spatial Pyramid Pooling Techniques. Agricultural Research Communication Center in Indian Journal of Agricultural Research. <https://doi.org/10.18805/ijare.a-6248>- (Scopus indexed Journal).

- C. Radhiya Devi, Dr. S.K. Jayanthi , “Enhanced Multi-Scale Feature Extraction for Apple Fruit Image Classification Using Atrous Spatial Pyramid Pooling with AlexNet”. ICTACT Journal on Image and Video Processing (IJIVP) (UGC CARE LIST)

Conference Presentation

- **National Conference on Advanced Computing Technologies & Intellectual Property Rights (NCACT’ 18)** – *"A Study on Text Extraction from Images"*, St. Joseph’s College for Women, Tirupur, 16.02.2018.
- **National Conference on Research Perspectives in New-Gen Computational Paradigms** – *"Autism Spectrum Disorder Detection using Machine Learning Techniques"*, St. Joseph’s College for Women, Tirupur, 31.03.2023.
- **International Conference on Research Perspectives in New-Gen Computational Paradigms** – *"Deep Learning for Automated Apple Fruit Disease Detection"*, St. Joseph’s College for Women, Tirupur, 11.07.2024 and 12.07.2024.
- **International Conference on Advanced Computing (ICAC - 2024)** – *"Enhanced Apple Fruit Disease Detection and Classification Using Pixel-Level Segmentation and Atrous Spatial Pyramid Pooling with AlexNet"*, organized by the Department of Computer Science, Bharathiar University, Coimbatore, held on 26th and 27th September 2024.
- **National Conference on Next Gen Information Science, Communication and Technology (NGISCT’24)** – *"Enhanced Multi-Scale Feature Extraction for Apple Fruit Image Classification Using Atrous Spatial Pyramid Pooling with AlexNet"*, organized by the Department of Computer Science and Applications, FSH, SRM Institute of Science and Technology, Ramapuram, Chennai, Tamil Nadu, India, held on 4th October 2024.
- **International Collaborative Conference on Revolutionizing Accounting Through Digital Transformation: The Impact of Technology** – *"Mobile and Digital App for Accounting"*, organized by the Department of Commerce (Professional Accounting), KPR College of Arts, Science, and Research, Coimbatore in association with Asia Pacific University of Technology and Innovation, Malaysia & CHRIST (Deemed to be University), Bangalore, held on February

07, 2025.

- **National Level Multidisciplinary Conference on Innovative Research on the Application of Technology in Commerce, Management, and Economics** – *"Digital Technology in Banking: Transforming the Financial Ecosystem"*, organized by the Department of Commerce, PPG College of Arts and Science, Coimbatore, on 13th February 2025.
- **National Conference on Emerging Trends in Integrated Intelligence and Technologies** – *"Optimized Plant Leaf Disease Identification by Transfer Learning with InceptionV3"*, Chikkana Govt Arts College, Tirupur, 17th February 2025.

Book / Chapter Publication

- Authored a Chapter titled "Machine Learning – An Overview" in the book Multidisciplinary Exploratory Research in Advanced Technologies, published by the IOT Academy.
- Authored a Book titled Artificial Intelligence and Applications in Business, published by Priyam Publications.

Patents Published

- "Tomato Leaf Disease Prediction using VGG16 and CNN," Application Number: 202441066921 A- Patent Number-37/2024

Acted as Resource Person:

- Resource person, webinar titled "Exploring Java Programming" as part of the Faculty Exchange Programme & Contemporary Issues, which was organized collaboratively by the Department of Computer Science at St. Joseph's College for Women and the Department of Information Technology at KG College of Arts and Science.

Participation in Faculty Development Programme

- Two-Day FDP on **Virtual Teaching** , Central University of Kerala, Kasaragod, on April 21, 2020.

- Online FDP on **Computational Intelligence**, PSG College of Arts & Science, Coimbatore, on May 16, 2020.
- Online FDP on the Analytics Series, A.V.P. College of Arts and Science on June 28, 2020.
- Online FDP Workshop on “E-Content Skill Development”, St. Joseph's College for Women, Tirupur, on July 30, 2021.
- Three-Day FDP under UGC PARAMARSH Scheme on Research Avenues in Machine Learning, Ayya Nadar Janai Amal College, Sivakasi, on September 23, 2021.
- One-Week FDP on Research Ideas in Image Processing & Communications , Siddhartha Institute of Science and Technology, Puttur, Andhra Pradesh, from December 27, 2021, to January 1, 2022.
- Five days online Faculty Development Programme on “Evolving Landscape of Data Science
- Current Trends & Patterns” from 23rd Sept to 27th Sept 2024, organized by Department of Computer Applications (PG) from Hindusthan College of Arts & Science, Coimbatore.
- Five Days National Level Virtual Faculty Development Programme on "Innovative Trends in Artificial Intelligence For Teaching And Research” organized by the Consortium of Higher Educational Institutions for Research & Development (CHIRD) from January 27 - 31, 2025.
- Five Days Online Faculty Development Programme on “Evolving Landscape of Data Science- Current Trends & Patterns” from 23rd Sept to 27th Sept 2024, organized by Department of Computer Applications (PG) from Hindusthan College of Arts & Science, Coimbatore - 641 028

Participation in Seminars/Webinars

- National Level Webinar on “E-Learning Video Creation and Online Assessment Tools”, Arulmigu Palaniandavar arts college for women , Palani on June 16, 2020.
- Webinar on "Moodle: A Quick Tour", Chikkanna Government Arts College, Tirupur, on June 12, 2020.
- Webinar on "Applications of IoT in Education", Women's Christian College, Chennai, on June 18, 2020.

- International Webinar on Blockchain Technology in Medical Field , St. Joseph's College of Arts and Science for Women, Hosur.
- National Level Webinar on Learning Management System with Canvas Instructure , Don Bosco College of Arts and Science, Thoothukudi, on June 25, 2020.

Participation in Workshops

- Workshop on "Effective Usage of ICT Tools for E-Content Preparation", Jayaraj Annapackiam College for Women, Theni, on May 2, 2020.
- Three-Day International Wired Web Series on "LMS: Moodle, Brihaspati & Sakai, Amazon Web Services with EC2 & S3, and Transformation Technologies: AI, IoT & Blockchain", Chikkanna Government Arts College, Tirupur, Tamil Nadu, India, from June 17-19, 2020.
- UGC-Sponsored Two-Day Workshop on "Free and Open Source Software", Gobi Arts and Science College, Gobi, on August 18-19, 2017.
- Online Workshop on "Artificial Neural Network Using MATLAB Tool", JAIN (Deemed-to- be University), Bangalore, India, from February 21-25, 2022.
- NPTEL Awareness E-Workshop Dr. N.G.P Arts and Science College, Coimbatore, and Haidia Institute of Technology, Haidia, West Bengal, on January 6, 2022.

Participation in Short Term Courses /Refresher Program

- 30-Day Online Training Program on "Introduction to Industry 4.0" organized by the Digital Career and Entrepreneurship Hub of the Department of Computer Applications, MHRD BU RUSA Phase II BEICH, Bharathiar University, Coimbatore, from December 23, 2020, to February 10, 2021.
- One-Week International Online Short Term Training Programme (STTP) on "Recent Trends and Challenges", Sona College of Arts and Science, Salem, on November 27, 2021.
- Refresher Program on "Artificial Intelligence in Healthcare using One API Tool" Vinayaka Missions Kirupananda Variyar Engineering College, Salem, on December 20, 2021.
- Short Term Training Programme (STTP) on "Cyber Data Analytics", VET

Institute of Arts and Science, Erode, on December 20, 2022.

Membership in Professional Bodies

- Computer Society of India (CSI), Annual Member

Awards / Honors

- Secured University 5th Rank in M.Sc. (CS) Computer Science affiliated to Bharathiar University April 2006.