



Name : Mrs. RADHA. R  
Qualification : MCA., M.Tech., M.Phil., (Ph.D)  
Designation : Assistant Professor  
Year of Experience : 11  
Previous Experience : 3  
Staff ID : EMPTEP18/150781  
Area of Specialization : Machine Learning, Deep Learning, Data Science  
Email : Algorithms  
No of Publication : 2  
No of Paper Presented : 6  
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### RESEARCH INTEREST

Machine Learning, Deep Learning, Data Science Algorithms.

### TECHNICAL PROFICIENCY

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Operating System : Windows 2010, MS-DOS, Unix,  
Languages : C, C++, VB 6.0, .Net, PHP, Python  
RDBMS : SQL Server, MySQL  
Web Tools : Java Script, ASP  
Packages : MS-Office 2011  
Advance Technology : Machine Learning, Data Science

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### LIST OF SEMINAR/ WEBINARS / WORKSHOPS ATTENDED

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- Two days National level Workshop on “Hands-on Computer Vision” organized by VIT University Chennai. 10 to 11 Aug 2018.
- One day State level Workshop on “Image Processing with Opencv” organized by Pantech ProEd , Chennai. 8<sup>th</sup> Sep 2018.
- Two days National level Workshop on “Data Science & Machine Learning with Python” organized by Ethiraj College for Women , Chennai. 1 to 2Feb 2019.
- Two days National level Workshop on “Deep Learning Using Tensor Flow with Python” organized by University of Madras Chennai Gundy Campus 01/ March/ 2019 & 02/ March 2019.
- One day National level Workshop on “Machine learning” IIT organized by research gate 29/06/2019.
- One day National level Workshop on “Scientific Computing & Research Tools” organized by Quaid-E-Millath Govt College for women (Autonomous) on 30/Jan/2019.
- One day International level Workshop on “Data Science and Machine Learning with Python” organized by Govt Arts College for Men (Autonomous), UGC Sponsored 21/ Aug/2019.

- One day National level Workshop on “Intellectual Property Rights” organized by Ethiraj College for Women 01/ Feb/2020.
- Three days National level Workshop on “Machine Learning using Python, R programming” organized by Ethiraj College for Women on 12/ Feb/2020 to 14/ Feb/2020
- Three days National level Workshop on “Machine Learning Techniques for Healthcare Image Analysis with Hands-on” organized by the Department of Computing Technologies, SRM Institute of Science and Technology, Kattankulathur, on 01/ Feb/2023 to 03/ Feb/2023

### **SYMPOSIA CONVENER**

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- **ANVAYA** – National Level Technical Symposium convened as part of co-curricular activity in the MCA Department, Ethiraj College for Women.

#### **THEME:**

- 2019–Onstage Events
- 2020–Online Mode

### **INTERNATIONAL YEAR OF MILLETS (IYOM’22)**

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- Celebrating " International Year Of Millets (IYOM’22)” with different event was organized on 12th August 2022.

### **CYBER JAAGROOKTA DIWAS (CJD)**

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- Celebrating "Cyber Jaagrookta Diwas (CJD)” with different event was organized on 27 & 27th October 2022.

### **GUEST LECTURES ORGANISED**

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- Department level webinar on “Happiness, Mindfulness and soulfulness- A Holistic Approach”, organised on 9<sup>th</sup> Aug’21.
- Department level webinar on “Critical Thinking and Design Thinking”, organised on 10<sup>th</sup> Aug’21.
- Department level webinar on “Real world Application of Cloud Computing”, organised on 18<sup>th</sup> Oct’21.
- Department level webinar on “Live Life King Size ”, organised on 09<sup>th</sup> March’22
- Department level offline workshop on “IoT on Industry Perspective ”, organised on 18<sup>th</sup> April’22

### **INDUSTRIAL VISIT ATTENDED**

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- Industrial Visit cum Tour : UST Global Pvt. Ltd., located in Cochin Batch 2021 with 40 students.

## **ONLINE CERTIFICATION**

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- Successfully completed the 12 weeks NPTEL course on “**Joy of Computing Using Python**” and qualified in ELITE performance grade conducted by IIT, Madras.

## **FACULTY DEVELOPMENT PROGRAMMES**

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- Successfully participated in the five days national level FDP on “Research Paper Writing and Publication” organized by Saveetha Management School, Savitha Engineering College on July 2012.
- Successfully participated in the five days national level FDP on “Cloud Infrastructure & Services” organized by R.M.K Engineering College on June 2014.
- Successfully participated in the five days national level FDP on “IBM-DB2” organized by B. S. Abdur Rahman University on July 2014.
- Successfully participated in the five days national level FDP on “Introduction to PHP Programming” organized by B. S. Abdur Rahman University on January 2016.
- Successfully participated in the five days national level FDP on “IOT-Ideation Workshop” organized by KCG College of Technology on June 2016.
- Successfully participated in the five days Online FDP on “Machine Learning using Python” organized by Vels Institute of Science and Advance Studies on May 2020.

## **ATAL& ICTACT: CERTIFICATE COURSE**

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- Successfully completed the five days National level Certificate Course on “Recent Trends in Artificial Neural Networks”, organized by AICTE Training and Learning (ATAL) Academy. September 21 to 25 2021.
- Successfully completed the five days National level Certificate Course on “Systems Engineering”, organized by AICTE Training and Learning (ATAL) Academy. November 4 to 8 2020.
- Successfully completed the five days National level Certificate Course on “Machine Intelligence”, organized by AICTE Training and Learning (ATAL) Academy. Loyola ICAM. November 22 to 26 2021.
- Successfully completed the five days National level Certificate Course on “Inculcating Universal Human Values in Technical Education”(UHV), organized by AICTE Training and Learning (ATAL) Academy. March 14 to 18 2022.
- Successfully completed the five days National level Certificate Course on “Designing and Modelling of IoT, AI & ML Systems”, organized by AICTE Training and Learning (ATAL) Academy. ARM Education. August 1 to 5 2022.

## **GUEST SPEAKER**

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- Presented a session for College level webinar on **MACHINE LEARNING** organized by Department of Computer Science& Applications, Periyar Maniammai Institute of Science & Technology, Thanjavur on 26<sup>th</sup>Feb 2021.
- Presented a session for a National level Faculty Development Programme on **MACHINE LEARNING** organized by Department of Computer Science& Applications, Periyar Maniammai Institute of Science & Technology, Thanjavur associated with **CSI** on 24<sup>th</sup>Apr 2021.
- Presented a session for College level webinar on **ARTIFICIAL INTELLIGENCE** organized by Department of Computer Science& Applications, Periyar Maniammai Institute of Science & Technology, Thanjavur associated with **CSI** on 19<sup>th</sup>July 2021.
- Presented a session for College level webinar on **PYTHON PROGRAMMING** organized by Department of Computer Science& Applications, Navarasam Arts and Science College for Women, Erode on 24<sup>th</sup>Oct 2021.

## **NITTTR: ORIENTATION TRAINING PROGRAMME**

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- Successfully completed the five days National level Certificate Course on “Technology Enabled Learning and Life-Long Self Learning”, organized by AICTE , Module 5.

## **LIST OF PAPERS PRESENTED& PUBLISHED**

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- [1] Radha. R., “A Collection of Tamil Software in Use”, in the International Conference on “பயன்பாட்டுப் பார்வையில் துறைதோறும் தமிழ்” conducted by Ethiraj College for Women on 26<sup>th</sup> Nov 2014 and 27<sup>th</sup> Nov 2014. ISBN :
- [2] Radha. R., “A survey of CBIR Based on different features and distance metrics”, in the International Conference on Computing Science (ICCS 2018-2019) conducted by Loyola College LIMCOS, on 16<sup>th</sup>and 17<sup>th</sup>Nov 2018.
- [3] Radha. R., “Sketch based image retrieval using HOG and KNN”, in the National Conference (NCRAICT- 2019) conducted by Government arts and science college for men (Autonomous), Sponsored by UGC, on 13<sup>th</sup> March 2019.
- [4] Radha. R., “ Feature Extraction using SURF, SIFT, ORB in Sketch and painting images”, in the International Conference on ICRTE 2019 conducted by St. Joseph’s Institute of Technology, Chennai on 3<sup>rd</sup> May 2019.
- [5] Radha. R., “A Comparative analysis of SIFT, SURF, and ORB on sketch and paint based images”, published in the International Journal of Forensic Engineering, DOI: 10.1504/IJFE.2021.10036812
- [6] Radha. R., “A Comprehensive Review on Continent-based Plant Recognition and Identification” Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023) DVD Part Number: CFP23OAB-DVD; ISBN: 978-1-6654-6215-0 .