

**Name:** Dr. B. Ramya

**Designation:** Assistant Professor

**Department:** Computer Applications

**Qualification:** M.C. A., M. Phil., Ph. D

**Experience:**

Teaching: 15 Years 4 Months    Industry: 2 Year    Research: 4 Years



**Area of Specialization(s):** Networking , Artificial Intelligence

**Email (Official ID):** [ramyab@drngpasc.ac.in](mailto:ramyab@drngpasc.ac.in)

#### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Bharathiar University	2020
M. Phil.	Computer Science	Sri Ramakrishna College of Arts and Science for Women, Coimbatore	2010
M. C. A	Computer Applications	Bharathiar University	2006
B. Sc.	Computer Science	CMS College of Science and Commerce	2002

#### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
NPTEL	Cloud Computing	IIT Karaghpur	2017
NPTEL	Introduction to Internet of Things	IIT Karaghpur	2020

#### Research Publications (Indexed)

- Dr.C.Kumuthini, Dr.B.Ramya , Mr.P.Dineshkumar “Recognition of Human Emotions Using Advanced Deep Neural Networks”, Journal of Neonatal Surgery”, 2025 , Volume 14 , Issue 32 , ISSN : 2226-0439.(indexed in scoup-us)

- B. Ramya & D.Devi Aruna “Cluster Based Routing Algorithm for MANET-IoT-WSN Systems” Tuijin Jishu/Journal of Propulsion Technology, Vol. 44, Issue 6, pp 6003-6008, December 2023, ISSN : 1001-4055, (Indexed in SCOPUS).
- B. Ramya & Dr.K. Arthi, "INTENSIVE DISEASE SUPPORT MEASURE BASED EFFICIENT DISEASE PREDICTION USING ARTIFICIAL NEURAL NETWORK", International Journal of Pure and Applied Mathematics, Vol. 120 No. 5 Special Issue, pp. 160- 161, September 2018, ISSN: 1314-3395, (Indexed in SCOPUS).
- B. Ramya & Dr.K. Arthi, “ Multi feature malignant weight-based mammogram classification with ANN using fuzzy rules” International Journal of Engineering & Technology, Vol 7(4) 2018, 4813-4818 doi: 10.14419/ijet. v7i4.24797, (Indexed in SCOPUS).

#### **Other Publications: International / National Journals**

- Ramya.B “A REVIEW ON BREAST CANCER DETECTION USING ARTIFICIAL NEURAL NETWORK” International education and research journal, Vol. 3, Issue. 6, pp. 160-161, June 2017, ISSN: 2454-9916,
- Ramya B “ A REVIEW STUDY ON ARTIFICIAL IMMUNE SYSTEM AND ITS APPLICATIONS” International Journal of Emerging Technologies in Computational and Applied Sciences ,Special Issue ,ISSN : 2279-0055.
- Ramya B “ PERFORMANCE EVALUATION OF BANDWIDTH IN MANET” International Journal of Emerging Technologies in Computational and Applied Sciences ,Special Issue ,ISSN 2279-0055

#### **Presentations in Conference**

- A Survey on Hand Tracking and Gesture Recognition by Multiple Contactless Sensors” National Conference on Advanced Computing Sciences” Dr. N.G.P Arts and Science College Coimbatore” on March 16<sup>th</sup> 2023.
- Early Detection of Lung Cancer and Tuberculosis Using X-Ray Image Analysis, International Conference on Machine Learning and Neural Information Systems, SriVidya Mandir Arts and Science College, Krishnagiri 18-Mar-21 to 19-Mar-21.
- BREAST CANCER DIAGNOSIS AND PROGNOSIS USING MACHINE LEARNING WITH APPLICATIONS A REVIEW, International Conference on Research Trends in computing technologies,Dr.N.G.P Arts and Science College on 9-Aug-18 to 10-Aug-18.

- DIGITAL IMAGE PROCESSING TECHNIQUES FOR BREAST CANCER DETECTION, National Conference on Emerging Trends in Big Data Technologies and Research Issues ,24-Feb-18 RUMOR SPREADING IN REPUTATION SYSTEMS FOR MOBILE AD-HOC NETWORKS, National Conference on Information and communication technologies for environmental sustainability ,PSGR Krishnammal College for Women, 5-Feb-16.
- APPLICATION OF FUZZY COGNITIVE MAP USING MULTI OBJECTIVE FIRE FLY ALGORITHM FOR YIELDING CROP USING SOFT COMPUTING TECHNIQUES, International Conference, Karpagam college of Engineering, 9-Jan-15.
- A REVIEW STUDY ON ARTIFICIAL IMMUNE SYSTEM AND ITS APPLICATIONS, International Conference,RVS Technical Campus, 20-Dec-13 to 21- Dec-13.

#### **Participation in Conference**

- International Conference on Research Trends in computing technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9-Aug-18 to 10-Aug-18.
- National Conference on Information and communication technologies for environmental sustainability, PSGR Krishnammal College for Women 5-Feb-16
  - National Conference on Research Issues in Computer Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Feb-14.

#### **Book Chapters**

- Published Book Chapter “Cyber Security in Healthcare” published by Innovation Online Training Academy on 20<sup>th</sup> November 2023 ISBN Number: 978-93-93622-97-6.
- Published Book Chapter “Integration of Block Chain for the IoT Security: Smart Water Irrigation” published by Bright Sky Publications ISBN Number: 978-93-92804-92-2.

#### **Consultancy**

- Taken up a consultancy work at Spider I Tech, Coimbatore as Web Developer for a sum of Rs. 10000/- from 27.02.2024 to 27.03.2024.
- Taken up a consultancy work at Spider I Tech, Coimbatore as Web Developer for a sum of

Rs. 10000/- from 20.01.2021 to 30.03.2021.

#### **Participation in Workshop**

- Professional Development Workshop “Digital Creative Skills” by Adobe Academic Essentials programme by Adobe Express 2023.
- MATLAB for Solving Research Problems, Dr.N.G.P Arts and Science College, 31-Jul-17
- Medical Image and signal Processing using MATLAB : A Research Perspective, Kongu Engineering College, 18-Feb-17
- Research challenges and security issues in wireless networks, Dr.N.G.P Institute of technology, 7-Nov15 to 11-Nov-15.
- Data Mining Tools, Dr.N.G.P Institute of Technology, 29-Dec-12 to 30-Dec-12.

#### **Participation in Faculty Development Programme**

- Six Days Virtual FDP “Smart Healthcare with AI, IoT & Cybersecurity”, by Dept. of Master of Computer Applications, Rathinam Technical Campus, Coimbatore from 1-Sep-2025 to 6-Sep-2025.
- Five Days International Virtual FDP “ Exploring New Frontiers in Teaching Tools, AI and Data Analytics” by MEASI Institute of Information Technology, Chennai from 29.07.2024 to 02.08.2025.
- Five Day Virtual Faculty Development Programme on “Emerging Research Trends in Computer Science” by KG College of Arts and Science, Coimbatore from 08.01.2024 to 12.01.2024
- One Week FDP “Upskill your Resources” Ayya Nadar JanakiAmmal College, Sivakasi from 07.07.2023 to 13.07.2023.
- Five day FDP on “Outcome Based Education” by Dr.N.G.P. Arts and Science from 17.06.2023 to 21.06.2023
- Online FDP on “Research Methodology and Pedagogy for Tertiary Education”, Dr.N.G.P. Arts and Science, 15-Jun-21 to 21-Jun-21.
- QUALITY INITIATIVES IN HIGHER EDUCATION, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
- Fundamentals Of RPA ,conducted by ICT Academy on 04 Oct 2021 to 08 Oct 2021.

- One Week Online International FDP on Next Generation Computing : Key Trends, Challenges and Opportunities organized by the Department of Computer Science & Applications (MCA), SRM Institute of Science & Technology, Ramapuram Campus.

#### Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
IAENG	LIFE TIME	-

