

**Name** : Dr. R.S. PADMA PRIYA

**Designation** : Assistant Professor (SG)

**Department** : Computer Technology

**Qualification** : M.Sc., M.Phil., Ph.D.

**Experience** : Teaching: 16.8 Years

**Area of Specialization(s)** : Data Mining, Big Data, Machine Learning

**Email** : padmapriya@drngpasc.ac.in



#### ACADEMIC QUALIFICATIONS

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Hindusthan College of Arts and Science, Coimbatore	2023
M.Phil.	Computer Science	RVS College of Arts and Science, Coimbatore	2011
M.Sc.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	2007
B.Sc.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	2005

#### ADDITIONAL QUALIFICATIONS

Dip. / Cert.	Area of Specialization	Institution / University / Agency Name	Year
Certificate	Python for Data Science	NPTEL	2022
Certificate	Introduction to C++ Programming	NPTEL	2015
Certificate	Android Using Kotlin	INFOSYS SPRING BOARD	2024
Certificate	Continuous Integration using DEVOPs	INFOSYS SPRING BOARD	2023
Certificate	Basics of Python	INFOSYS SPRING BOARD	2023
Certificate	Functional Data Structures and Algorithms	INFOSYS SPRING BOARD	2023
Certificate	Fundamentals of C++ Programming	INFOSYS SPRING BOARD	2023
Certificate	Yoga Exercises for core strength and flexibility	ALISON	2020
Certificate	R for Data Analysis	ALISON	2018
Certificate	Adobe Photoshop CS6 Essential Tools	ALISON	2017
Certificate	Diploma in Psychology	ALISON	2015

Certificate	Art Fundamentals – Building blocks of Digital Painting	UDEMY	2017
Certificate	C # Basics: Learn to code the Right Way	ALISON	2017
Certificate	Oracle SQL Developer: Tips and Tricks	ALISON	2017
Certificate	Advanced databases and SQL Querying	ALISON	2017
Certificate	Microsoft SQL- An Introduction	ALISON	2015
Certificate	100 Social Media Tips, Tricks and Techniques	ALISON	2015
Certificate	Mind Control: Managing your Mental Health during COVID-19	COURSERA	2020
Certificate	The Online Marketing Fundamentals	GOOGLE DIGITAL UNLOCKED	2018

#### **JOURNAL PUBLICATIONS (National / International)**

- R.S.Padma Priya , P.Senthil Vadivu “Bio Inspired Ensemble Feature Selection (BIEFS) and Ensemble Deep Learning Classifier (EMDL) for breast cancer diagnosis”, Journal of Pharmaceutical Negative Results, October 2022.(Scopus)
- R.S.Padma Priya , P.Senthil Vadivu “Bio Inspired Ensemble Feature Selection and KELM classifier for breast cancer diagnosis”, International Journal of Health Sciences, June 2022.(Scopus)
- R.S.Padma Priya , P.Senthil Vadivu “Adaptive Genetic Algorithm Based Feature Selection with Extreme Learning Machine Classifier for Breast Cancer Diagnosis”, Design Engineering December 2021
- R.S.Padma Priya , P.Senthil Vadivu “A Novel Adaptive Mutation Enhanced Elephant Herding Optimization based Feature Selection and Kernel Extreme Learning Machine Classifier for Breast cancer diagnosis”, Turkish Journal of Computer and Mathematics Education(TURCOMAT) , June 2021.(UGC)
- R.Rajeswari, R.S.Padma Priya “Rheumatoid Arthritis (RA) Using Hybrid Artificial Bee Colony (HyARBC) Of Fuzzy Cognitive Map (FCM) (HyARBC-FCM) with Gene Datasets”, , International Journal of Psychosocial Rehabilitation, March 2020.(UGC)
- R.S.Padma Priya, P.Senthil Vadivu “Review on Data Mining Techniques for Prediction of Breast Cancer Recurrence”, International Journal of Engineering and Management Research(IJEMR) , June 2019.

- R.S.Padma Priya , P.Senthil Vadivu “Prediction of Breast Cancer by means of enhanced Feature Selection and Classification”, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) June 2019.
- R.Rajeswari, R.S.Padma Priya , “Detection of Autism Spectrum Disorder (ASD) with Machine Learning Classification using Firefly algorithms”, International Journal of Computer Science and Engineering, Volume: 07, Issue: 05, May 2019, ISSN : 2347-2693.(UGC)
- R.S.Padma Priya "An Analysis on Data Mining Tools for Business Applications and Research" International Journal of Advanced Research in Data mining and Cloud Computing Volume:03, Issue 8, August 2015, ISSN: 2321-8754
- R.S.Padma Priya, T.Girija "Comparative Study on various MAC Protocol for Wireless Networks" International Journal of Advanced Research in Information and Communication Engineering, Vol. 2, Issue 11, November 2014, ISSN: 2321-8762
- B.Narasimhan, R.S.Padma Priya,“Fuzzy Logic Based Energy Aware Clustering Protocol for Heterogenous Mobile AdHoc Networks”, International Journal of Advanced Research in Computer Science & Software Engineering, Vol. 3, Issue 4, April 2013.(UGC)

#### **CONFERENCE PRESENTATIONS**

- “Breast cancer Prediction using SVM Classifier and KNN Algorithm”, Second International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College,28-Feb-20 to 29-Feb-20.
- “Prediction of Breast Cancer using Enhanced Feature Selection and Classification Techniques”, International Conference on Advances in Information Technology and Networking, Dr. G R Damodharan College of Science, 07-Feb-20.
- “Diabetes Mellitus (DM) Prediction and Classification Using Bat Optimization Based on Adaptive Neuro-Fuzzy”, Fifth International Conference on Computer Applications and Information Technology, Hindusthan College of Arts and Science, 24-Jan-19.
- “Exploration of Content Management Systems using Open Source Tools”, National Conference on Recent Trends in Computing Technologies, PSGR Krishnammal College for Women, 10-Sep-18.
- “An Efficient Approach for Attribution and Characterization of Medicinal Information standards utilizing Class-based Clustering of Therapeutic records”, International Conference on Recent Trends in Computing Technologies (ICRTCT’18), PKR Arts College for Women, 16-Aug-18.
- “Novel Clustering and Visualization for Data Mining" in the National Conference on Networks, Intelligence and Computing Systems (NCNICS’14), Dr.SNS Rajalakshmi College of Arts and Science College on 28- Feb-14.

- “A Novel Secured and Authenticated MPI for distributed Clusters”, International Conference on Information and Image Processing, Sankara College of Science and Commerce, 26- Feb-14.
- "Web Mining", National Conference on 'Management in New Era - Issues & Challenges"', GRD College of Science, 14-Feb-13.
- "Steganography", Proceedings of National Conference on Recent Trends in Networking and Communication",,, RVS College of Arts and Science on 04-Mar-09.

## **PARTICIPATION IN SEMINARS/CONFERENCE/WORKSHOP**

### **Workshop**

- “Outcome Based Education”, IPSR Solutions, 4-Mar-23.
- “Basics of Networks”, Rathinam Technical campus, 10-Oct-20.
- “Python with AI & ML”, PSGR Krishnammal College for Women, 10-Jun-20.
- Two days National workshop on “A Statistical analysis using R”, Bharathiar University, Coimbatore, 06-Sep-18 and 07-Sep-18.
- Two days workshop on “Big Data and Hadoop”, at MIT, Chennai, 31-Jun-18 and 01-Jul-18.
- Three days Science Academies Lecture Workshop on "Current Trends and Directions in Computer Science Research", Dr. N.G.P. Arts and Science College, 3 to 5-Oct-13.
- "Art of Research", PSG College of Technology, 24-Aug-13.
- Three days workshop on "Mission 10X “Enhancing Teaching Skills”, WIPRO at Dr. N.G.P. Arts and Science College, 6th to 8th August 2013.
- Two days Science Academies Lecture Workshop on "Research Issues in Digital Image Processing", Dr. N.G.P. Arts and Science College, 25 to 26-Sep-12.
- Two days National Level workshop on "MATLAB Programming", Kongu Engineering College, 31-Aug-12 and 1-Sep-12.

### **Seminar**

- "ICTACT Youth Leadership Summit 2015", ICT Academy of Tamil Nadu, Codissia Trade Fair, Coimbatore, 23-Sep- 2015.
- National Seminar "Cyber Security Awareness and Defense Techniques”, Dr. N.G.P. Arts and Science College, 25-Aug-2014.
- International Seminar on “Research in Computers: Why, What and How?", Bharathiar University, Coimbatore, 11-Mar-13
- Two Days National Seminar on Research Methodology in Computer Science and Engineering, Sri Vasavi College, Erode, 27 and 28-Feb-09.

## **Conference**

- National Conference on "Emerging Education Models for 21st Century Learner", Dr. N.G.P. Arts and Science College, 1-Aug-15.
- National Conference on "Research Issues in Computer Applications", Dr. N.G.P. Arts and Science College, 21-Feb-14.
- Two days State Level Conference on "Achieving Academic Excellence through Internal Quality Assurance Cell", Dr. N.G.P. Arts and Science College, 9 and 10-Dec-11.
- National Conference on Issues in Higher Education, Conducted, Dr. N.G.P. Arts and Science College Sponsored by Association of Principals of Colleges and UGC – Academic Staff College Bharathiar University, 29-Oct-10.
- National Conference on Multimedia Signal Processing and Networking, Dr. N.G.P. Institute of Technology, 30-Oct-10.

## **PARTICIPATION IN FDP**

- Five days FDP on "Empowering Education for Innovation – A NEP Perspective", Dr. N.G.P. Arts and Science College, 30-Jun-23 to 4-Jul-23.
- Five days FDP on "Data Science Specialization using Python (Online), 19-Jun-23 to 23-Jun-23.
- Five days FDP on "Outcome Based Education, 17-Jun-23 to 21-Jun-23.
- Nine days national workshop on DEVOPS (Online), 16-Jun-23 to 24-Jun-23.
- Five days FDP on "Achieving Excellence in Higher Education and Research, 26 to 30- Dec-22.
- "Fundamentals of AI (Online Live FDP)". ICT Academy, 13-Sep-21 to 17-Sep-21.
- AICTE sponsored FDP "Secrets of Human Bio-Energy fields & sub-conscious mind", Sona College of Technology, 12-Jul-21 to 16-Jul-21.
- 7 days FDP on "Research Methodology and Pedagogy for Tertiary Education", Dr. N.G.P. Arts and Science College from 15 to 21-Jun-21.
- 6 days FDP on Research and Application Perspectives of Artificial Intelligence", KPR Institute of Engineering and Technology & Sree Saraswathi Thyagaraja College 16 to 21-Jun-21.
- 7 days FDP on "Potential role of Yoga and its allied techniques in managing health and lifestyle diseases", KIIT Deemed to be University, Bhubaneswar, 20 to 26-Jun-21.
- "Outcome Based Education", InPods Ed-Tech, 01-May-20.
- One Week FDP "Quality Initiatives in higher education", Consortium of Colleges, 13 to 20-Apr-20.
- "Digital Transformation in Enterprise", ICT Academy, 18-Apr-20.
- "Design Thinking-Preparing the mind for disruption", ICT Academy on 17-Apr-20.

- “Cybersecurity Essentials”, ICT Academy, 16-Apr-20.
- “Introduction to AI and ML”, ICT Academy, 15-Apr-20.
- “Future of Making”, ICT Academy on 14-Apr-20.
- “Accelerating Experiential Learning in Engineering”, ICT Academy, 13-Apr-20.
- “Introduction to VMWare Cloud”, ICT Academy, 11-Apr-20.
- “Robotic Process Automation-Basics and Beyond”, ICT Academy, 10-Apr-20.
- “Future of AI inspired by customer use cases for AI-ML”, ICT Academy on 9-Apr-20.
- “Research Methodology and Pedagogy for Tertiary Education (Online)”, Dr. N.G.P. Arts and Science College, 15 to 21-Jun-21.
- Digital Knowledge Series Season 2 “Learning in VUCA World”, ICT Academy, 20 to 24-Apr-20.
- “Quality Initiatives in Higher Education”, Consortium of Colleges, 13-Apr-20 to 20-Apr-20.
- Digital Knowledge Series: Season 1 “Technology for Future”, by ICT Academy, 09 to 18-Apr-20.
- “NAAC Revised Accreditation Framework and OBE Assessment Methodology”, Dr. N.G.P. Arts and Science College, 27-May-19 to 02-Jun-19.
- “Data Science and Big Data Analytics”, ICT Academy, Dr. N.G.P. Institute of Technology, Coimbatore, 10-Dec-18 to 14-Dec-18.
- “Traits for Teaching Professionals”, Dr. N.G.P. Arts and Science College, Coimbatore 06-Mar-18.
- “Embedding Entrepreneurship in Curriculum”, Dr. N.G.P. Arts and Science College, 06-Mar-18.
- “Cyber Security”, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Feb-18.
- “Social Survey”, Dr. N.G.P. Arts and Science College, Coimbatore, 20-Feb-18.
- “Case Study Analysis, IQAC & Center for Research”, Dr. N.G.P. Arts and Science College, Coimbatore, 20-Feb-18.
- “E- resources for Research, Flipped Class room, Kalandhorum Kalvi”, Dr. N.G.P. Arts and Science College, Coimbatore, 10-Feb-18.
- “Examination reforms towards OBE”, Dr. N.G.P. Arts and Science College, Coimbatore, 19-Jan-18.
- “Strategies and approaches for revised NAAC Guidelines”, Dr. N.G.P. Arts and Science College, Coimbatore, 18-Jan-18.
- “Scientific writing and IPR”, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Jan-18.
- “Intellectual Property Rights and Innovation”, Dr. N.G.P. Arts and Science College, 28-Oct-17.
- “Performance Dimensions for Teachers”, Dr. N.G.P. Arts and Science College, 05-Nov-16.
- “Total Quality Teacher”, Dr. N.G.P. Arts and Science College, Coimbatore, 04-Nov-16.
- “Innovative practices in autonomy; Documentation for assessment and accreditation”, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Nov-16.

- “Resilience and Happy Living”, Dr. N.G.P. Arts and Science College, Coimbatore, 02-Nov-16.
- “Research and Higher Education”, Dr. N.G.P. Arts and Science College, Coimbatore, 01-Nov-16.
- “Moral Values in Teaching”, Dr. N.G.P. Arts and Science College, Coimbatore, 16-July-16.
- “Teacher Student Relationship: Psychological Dimensions”, Dr. N.G.P. Arts and Science College, Coimbatore, 02-Jul-16.
- “Teaching Learning: A New Paradigm”, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Jun-16.
- "LEARNBHARATHI", TCSion, Hindusthan College of Arts and Science, Coimbatore, 22-Aug-14.
- "Enterprise Resource Planning using SAP B1", Dr. N.G.P. Institute of Technology, 31-Jul-10.

#### **CONFERENCE / SEMINAR / WORKSHOP ORGANIZED**

- Convener, Vigilance Awareness week, in association with NSS and YRC, Dr. N.G.P. Arts and Science College, 26-Oct-21 to 01-Nov-21.
- Convener, Road Safety Awareness week, in association with NSS and YRC, Dr. N.G.P. Arts and Science College, 08-Feb-21 to 14-Feb-21.
- Convener, International Women’s Day, Dr. N.G.P. Arts and Science College, 09-Mar-20.
- Organizing Committee member, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, 28-Feb-20 to 29-Feb-20.
- Convener, Girl Child Safety Day, Dr. N.G.P. Arts and Science College, 24-Feb-20.
- Organizing Committee member, International Mother Language Day, Dr. N.G.P. Arts and Science College, 21-Feb-20.
- Convener, World Cancer Day Celebration, Dr. N.G.P. Arts and Science College, 04-Feb-20.
- Convener, Yoga Orientation Programme, Dr. N.G.P. Arts and Science College, 27-Jan-20 to 29-Jan-20 & 03-Feb-20 to 05-Feb-20.
- Convener, Pongal Celebrations, Dr. N.G.P. Arts and Science College, 09-Jan-20.
- Convener, National Youth Day, Dr. N.G.P. Arts and Science College, 08-Jan-20.
- Convener, Nai Talim Week (Gandhi Jayanthi Celebration), Veeriyamapalayam & Dr. N.G.P. Arts and Science College, 02-Oct-19 to 05-Oct-19.
- Convener, World Tourism Day Competitions, Dr. N.G.P. Arts and Science College, 27-Sep-19.

#### **WORKSHOP ORGANIZED**

- Four days Faculty development Workshop on “Stress Relief and Management through Yoga”, Matha Amirthananthamayi Ashram, Kerala, 11 to 12-Jul-19 & 15 to 16-Jul-19.
- Organized a field trip to Temple of Consciousness Aliyar for two consecutive years for the Students of Yoga club

- Organized a field trip to Isha Yoga Center for Second Year UG Students
- Organized Yoga Practice sessions for students and staff during COVID Period
- Organized various National and Global important day celebration

#### **WEBINAR ORGANIZED**

- Yoga in healthcare and Stress management, 22-Jun-20.
- Create Hope through Action, 10-Sep-20.
- Happiness Decoded, 12-Oct-20.
- Relationship and Responsibilities, 27-Nov-20.
- Penmaiyan Peranmai, 05-Jun-21.
- Vaazhviyal Vilumiyangal, 07-Jun-21.
- Stress Management, 09-Jun-21.
- Ilakkiyamum Vaazhviyalum, 09-Jun-21.
- Covid-19 Myths and Facts, 14-Jun-21.
- Yoga for Life Skills, 21-Jun-21.
- Mental well-being in the crisis situation, 12-Oct-21.
- National Youth Day, 12-Jan-22.

#### **REVIEWER FOR JOURNAL**

- International Journal of Information Technology and Decision Making – 2021.

#### **RESOURCE PERSON**

- Student Induction Program for Four Consecutive years 2020-2023.

#### **MEMBERSHIP IN PROFESSIONAL BODIES**

- International Association of Engineers (IAENG - Lifetime)
- The Society of Digital Information and Wireless Communication (SDIWC - Lifetime)
- Universal Association of Computer and Electronics Engineers (UACEE 2014-2017)