

Name : **Dr.R.Divya**
Designation : **Assistant Professor**
Department : **Computer Science with Cyber Security**
Qualification : **M.C.A., M.Phil., Ph.D**
Experience : **Teaching - 4 Years**
Research : **9 Years**
Area of Specialization(s) : **Data Mining , Computer Networks**
Email(Official ID) : **rdivya@psgrkcw.ac.in**



Academic Qualifications

Degree	Branch	Institution/ University Name	Year of Graduation
Ph.D.	Computer Science	Government .Arts College, Coimbatore	2022
M.Phil.	Computer Science	Hindusthan College of Arts and Science	2012
M.C.A	Computer Science	Bharathiar University	2010
B.C.A	Computer Science	Hindusthan College of Arts and Science	2006

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University / Agency Name	Year
Certification	Cyber Security Tools	National Institute of Electronics and Information Technology, Calicut.	2023
Certification	Vulnerability Assessment and Management	Avinashilingam Institute for Home Science and Higher Education for Women	2023
Certification	Coursera	IT Fundamentals for Cyber Security-	2023
Certification	Coursera	Penetration Testing, Incident Response and Forensics	2023
Certification	Coursera	Introduction to machine learning	2023
Certification	Coursera	Cyber Security Rules, Processes and Operating System Security	2022

Certification	Coursera	Introduction to Cybersecurity Tools and Cyber Attacks	2022
Certification	Coursera	Cybersecurity Compliance Framework & System Administration	2022
Certification	Coursera	Network Security and Database Vulnerabilities	2022
Certification	Coursera	Advanced Commands in Linux	2024
Certification	Coursera	Linux: Introduction to Shell Scripting for DevOps	2024
Certification	Coursera	Linux: I/O Redirection for DevOps	2024

Research Guidance

Programme	No.of Scholars	
	Completed	Pursuing
Ph.D	-	1

Research Publications (Indexed)

International

A HCC Recurrence Prediction in Multiple Time Series Clinical Data with Merging Statistical Measures of Advanced Frequency Spectrum of Time Series Features, JEAS, **Journal of Engineering and Applied Sciences. (Scopus indexed journal).**

A Firefly optimized feature selection in multiple time series clinical data with merging statistical measures and wavelet frequency spectrum for Hcc recurrence prediction, **International journal of Recent scientific Research (UGC approved journal). Impact Factor-5.962.**

An Enhanced HCC Recurrence Prediction with Common Interest Features in Multiple Measurement Time Series Clinical Dataset, **International Journal of Applied Engineering Research, IJAER(Scopus Indexed Journal)**

An Cuttlefish Algorithm Based Optimized Multiple Time Series Clinical Data For HCC Prediction, **International journal of Pure and Applied Mathematics.(Scopus Indexed Journal)**

An Optimized Hcc recurrence prediction using APO algorithm multiple time series clinical liver cancer dataset, **Journal of Medical Systems**, ISSN: 0148-5598 Volume.43, Number 7, J Med Syst(2019) 43:1-12,2019 Published in **SCIE,SPRINGER**.

An Efficient Detection Of Hcc-Recurrence In Clinical Data Processing Using Boosted Decision Tree Classifier”, (Accepted) **Procedia in Computer Science (Elsevier,Scopus Indexed)**

Analysis of Product Sales Prediction Using Sentiment Analysis with Deep Learning, **Mukt Shabd Journal, Year 2022(UGC)**

Improved Grasshopper optimization with squeezeNet(IGO-SNet) Classifier for banana leaf diseases, Lecture Notes in Networks and Systems,(**Springer,Scopus 2024**)

Phishing Attack Simulation, Email Header Analysis, and URL Scrutiny: A Comprehensive Approach to Cyber Threat Mitigation, Computer Networks and Communications, Volume 3 Issue 2 (2025)

Other Publications: International/National

Pixel Classification Methods For M-Fish in Chromosomes Image Analysis, PARIPEX – "INDIAN JOURNAL OF RESEARCH, Year 2022

Study On the Classification algorithms for Prediction of Diseases”, **IJAIR**. (Impact Factor-3.117)

A Survey on the multiple time series data with data mining techniques, **International journal of Computational intelligence Research**

A Firefly optimized feature selection in multiple time series clinical data with merging statistical measures and wavelet frequency spectrum for Hcc recurrence prediction, **International journal of Recent scientific Research. Impact Factor-5.962.**

Phishing Attack Simulation, Email Header Analysis, and URL Scrutiny: A Comprehensive Approach to Cyber Threat Mitigation, Computer Networks and Communications, Volume 3 Issue 2 (2025)

Patent

S.No	Name of the Faculty	Title of the Invention	Application No.	Date of Filing	Publication Date
1.	Dr.R.Divya	IOT With Malware Forensics Curation Approach Based on Darknet-Centric Proactive Deception Techniques Honeycomb and Artificial Intelligence	202221043987	01/08/2022	23/09/2022

Book Published

Title of the Book : **Data Structures Using C**
Year of Publication : 2022
Publisher : Charulatha Publications

Title of the Book : **Cyber Security and Forensic Science: Tools, Techniques and Applications**
Year of Publication : 2025
Publisher : CIIT Publications
ISBN : 978-93-6126-192-3

Book Chapter Published

Unlocking Languages Digital Frontier A Comprehensive Review Of Natural Language Processing ,in Emerging Trends In Information Technology, ISBN: 978-81-965283-7-9, 2023, 978-981-97-5790-9

An Empirical Study on Cybercrime Impacting People in Today's World" in Algorithm for Intelligent Systems. ISBN: 978-981-97-5790-9

Short Term Course

Cyber Security Tools conducted by **ISTE C-DAC, Kolkata** from 22 May-30 June 2025

Acted as a Resource Person

Acted as **Session Chair** in 2nd International Conference on Recent Trends in Computer Science & Data Analytics (ICRPCSDA 24) at **KPR College of Arts and Science**

Paper Presentations in Conference

International

Presented a Paper entitled “A Survey on the prediction of Diseases based on the classification Algorithms” in III International Conference on Computer Application & Information Technology, Hindusthan college of Arts and Science, Coimbatore, March 11,2016

Presented a Paper entitled “Multiple Time Series Clinical with Frequency Measurement and Feature Selection”, in 2016 IEEE International conference On Advances in Computer Applications” ,24 Oct 2016,Bharathiyar University, Coimbatore .Proceedings published in **IEEE Digital Explore.(Elsevier Scopus Indexed)**

Presented a Paper entitled “A HCC Recurrence Prediction in Multiple Time Series Clinical Data with Merging Statistical Measures of Advanced Frequency Spectrum of Time Series Features , in 6th International Conference on Advanced Computing, Engineering & Technology (ICACET 2017)WARSE(Bangalore)

Presented a Paper entitled “An Cuttlefish Algorithm Based Optimized Multiple Time Series Clinical Data For HCC Prediction, 1st International Conference On Humanities Technology And Science(ICHTS2018).

Presented a Paper entitled “An Efficient Detection of HCC-recurrence in Clinical Data Processing using Boosted Decision Tree Classifier, in International Conference on Computational Intelligence and Data Science (ICCIDS2019), September 6-7, 2019, The NorthCap University, Gurugram, India.**Paper Accepted in Proceedia in Computer Science(Elsevier)**

Presented a Paper entitled “Study of Machine Learning and Artificial Intelligene in Cyber Security” in International Conference - Recent Trends in Multi Disciplinary Research and Innovation, at AVP College of Arts and Science,Tirupur.

Presented a Paper entitled “Review Of Feature Enhancement And Learning Strategies For Tiny Object Detection In Aerial Image” INTERNATIONAL CONFERENCE ON CONTEMPORARY RESEARCH IN MANAGEMENT AND TECHNOLOGY (CRMT 2025), PSG INSTITUTE OF MANAGEMENT,FEB 27 – 28, 2025(Scopus)

Presented a Paper entitled “An Empirical Study on Cybercrime Impacting People in Today's World" in International Conference on Innovations in Cybersecurity and Data Science Proceedings of ICICDS at Bengaluru,India(Web of Science,Springer)

Presented a Paper entitled, Improved Grasshoper optimization with squeezenet(IGO-SNet) Classifier for banana leaf diseases in Innovations in Computational Intelligence and Computer Vision. ICICV 2024.Springer.(Scopus)

Presented a Paper entitled “Internet Of Things In Industry 4.0”, National Conference on Cybersecurity & Digital Forensics for Society”, PSGRKCW, 19th & 20th October 2022 [ISBN 978-93-91347-26-0]

Presented a Paper entitled “Exploring Aws Identity And Access Management For Secure Cloud Operations” International Conference on Diversity in Computational Excellence, Bharathiyar University,30.01.25 to 31.01.25.

Presented a Paper entitled “Phishing Link Delivery Via Bluetooth: A Comprehensive Attack And Defense Demonstration” International Conference on Diversity in Computational Excellence, Bharathiyar University,30.01.25 to 31.01.25.

Presented a Paper entitled “Integrate Approach To Web Security: Penetration Testing With Auditing” International Conference on Diversity in Computational Excellence, Bharathiyar University,30.01.25 to 31.01.25

Participation in Faculty Development Programme

- ✓ Attended Two days Hands-on Training Programme on Data Mining Using **MATLAB, MIT Campus, Anna University, Chennai.**
- ✓ Attended Two days Workshop on Preconference Workshop on Data Analytics tools(R/Hadoop), PSG College of Technology, Coimbatore.
- ✓ Attended One day National Workshop on How to Write Effective Research Papers For Conference and Journals &Project Proposals For Funding agencies, Kongu Engineering College, Perundurai, Erode.
- ✓ Attended Two Days Faculty Development Programme on Big Data Analytics, PSG College of Arts and Science, Coimbatore.
- ✓ Attended State Level Conference on Computer Vision in Data Mining.
- ✓ Attended International Seminar on Intelligent Web Technologies.
- ✓ Participated Five days faculty Development Program on Machine Learning for Data Science” by Department of Computer Application,GVG Vishalakshi College and KG college of Arts and Science.,from 17-7-23 to 21-7-23
- ✓ Participated Two weeks FDP on Innovative Research Opportunities and application of Data Science in Industry 5.0 paradigm”,by SRM Institute of Science and technology from 18-8-23 to 31-8-23
- ✓ Participated Eight days FDP on Cyber Security and Hacking”,by SRM Institute of Science and technology from 16-6-23 to 24-6-23
- ✓ Participated 7-days online faculty development program on”Exploring Technological Advancements: A Voyage into Emerging Horizons” organized by Sri S.Ramasamy Naidu Memorial College ,from 20 November 2023 to 27 November 2023
- ✓ Participated Five days training on “Faculty Enhancement Programme” by KCW Teaching Learning Centre on 5-6-23-10-6-23
- ✓ Participated 5 days online International Virtual Professional Development Programme on “Developing Your Professional Edge: Strategies for Career Growth and Financial Success” organized by Department of Commerce with Information Technology & IQAC of PPG College of Arts and Science, Coimbatore. From 8/1/24 to 12/1/24.
- ✓ Participated Five Days Virtual Faculty Development Programme on “Integration of Technology in Teaching: A Faculty Development Perspective“ organized by IQAC Cell Dr.R.V. Arts and Science College, from 29.01.2024 to 02.02.2024
- ✓ Participated One-Day Faculty Development Programme on Design Thinking, organized by

Patrician Institution's Innovation Council & Department of Computer Science with Data Science in collaboration with Mar Gregorios College of Arts and Science on Friday 23rd February 2024.

- ✓ Participated One week FDP on “Stress Management”- Organized by IQAC of PSGR Krishnammal College for Women from 10-10-2022 to 18-10-2022
- ✓ Participated Two days FDP on “Design Thinking” Organized by IQAC of PSGR Krishnammal College for Women from 7-11-2022 to 8-11-2022
- ✓ Participated Two days FDP on “Cybersecurity & Digital Forensics” by CSI Coimbatore chapter & PSG Institute of technology and applied research from 1-9-2022 to 2-9-2022
- ✓ Participated one month Faculty Development program -Cyber Security by Cyber Secured India from 7th April to 7th May 2024
- ✓ Participated 7 Days Faculty Development program Online Short-Term Training Programme on Power BI by KONGUNADU ARTS AND SCIENCE COLLEGE from 23.9.24 to 30.9.24

Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Best Project Team	ELGi	2023
Mangala Chippier Award	Ullaga Tamil Neri Kalagam	2024

Contribution

- Acting as a **Lions Club Coordinator** since 2022 onwards
- Acting as a sub coordinator for **Criteria-III** since 2022 onwards
- Department- Association In-charge, BOS member, Syllabus In charge, ERP Co-coordinator, Time Table, Spoken Tutorial Co-coordinator.