

**Name** : **Dr. Reshmi. S**  
**Designation** : **Assistant Professor**  
**Department** : **BCA, PSGR Krishnammal College for Women**  
**Qualification** : **MCA, Ph.D.,**  
**Experience** : **Teaching - 12 Years, Industry – 5 Months**  
**Research** : **10 Years**  
**Area of Specialization(s)** : **Networking, Network Virtualization, Web Developing**  
**Email (Official ID)** : [reshmi@psgrkcw.ac.in](mailto:reshmi@psgrkcw.ac.in)



#### Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph. D	Computer Science	Karpagam Academic of Higher Education	2019
MCA	Computer Science	Hindusthan College of Engineering and Technology	2009
BSc	Computer Science	RVS college of Arts and Science	2006

#### Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/Agency Name	Year
Certification	JEC Training Program (Japan-India Skill Development Initiative)	CHG IT Consultancy Pvt. Ltd. (Under METI, Japan Initiative)	2025
Certification	Career Edge - Knockdown the Lockdown	TCS iON	2020
Certification	Coursera	Completed 50 Coursera Courses	2023
Certification	Learnathon	Completed 30 different Courses	2023
Certification	J2EE	CEGONSOFT	2009

#### Research Publications (Indexed)

- Reshmi. S, and M. Anand Kumar, “A Review on Obfuscation and Heuristics Algorithm in Network Virtualization”, International Journal of Advanced Research in Computer Science (IJARCS), Volume 8, Issue 8, Sep–Oct 2017, pp. 264–268. ISSN: 0976-5697. DOI: 10.26483/ijarcs.v8i8.4651.
- Reshmi. S, and M. Anand Kumar, “Implementation on Identifying Packet Misbehaviour in Network Virtualization”, ARPN Journal of Engineering and Applied Sciences, Vol. 13, No. 4, February 2018, pp. 1284–1296. ISSN: 1819-6608.
- Reshmi. S, Krithika. B, and Deepa. B, “Shielding Network Virtualization Using CBC-MAC for Imminent Interconnected Networks”, International Journal of Computer Science and Mobile Applications (IJCSMA), Volume 5, Issue 10, October 2017, pp. 123–130. ISSN: 2321-8363. Impact Factor: 4.123.
- Deepa. B, Reshmi. S, and Krithika. B, “A Survey on Different Method of Balancing a Binary Search Tree”, International Journal of Advance Engineering and Research Development (IJAERD), Volume 4, Issue 10, October 2017, pp. 660–664. e-ISSN: 2348-4470, p-ISSN: 2348-6406. Impact Factor: 4.72 (SJIF).
- Reshmi. S, Jawahar. S, and Ahamed Johnsha Ali. S, “Penetration of Technology to Virtual Reality in Artificial Intelligence and Its Challenges”, International Journal of Test Engineering and Management, Volume 82, Jan–

Feb 2020, pp. 4540–4545. ISSN: 0193-4120.

6. Dr. Reshmi. S, and Dr. M. Anand Kumar, “Enactment on Identifying Wallet Mischievousness in Network Virtualization”, *International Journal of Future Generation Communication and Networking (IJFGCN)*, Vol. 13, No. 3, May 2020, pp. 263–270. ISSN: 2233-7857.
7. Reshmi. S, and M. Anand Kumar, “Secured Structural Design for Software Defined Data Center Networks”, *International Journal of Computer Science and Mobile Computing (IJCSMC)*, Vol. 5, Issue 6, June 2016, pp. 532–537. ISSN: 2320–088X. Impact Factor: 5.258.
8. Vikash. S, Praveen. T, Anita. P, Suganya. V, Reshmi. S, “Highlighting the Vital Cypher by Means of Forming Insight about Cloud Computing through Virtualization”, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, Vol. Issue XII, Dec 2018, pp. 638–644. ISSN: 2321-9653. SJ Impact Factor: 6.887.
9. S. Kowsalya and Reshmi. S, “Inference & Learning of Mining Pattern with Multi-Dimensional Clusters”, *International Journal of Scientific Research and Reviews (IJSRR)*, Vol. 7, Issue 4, Dec 2018, pp. 2756–2765. ISSN: 2279–0543.
10. Reshmi. S, Ahamed Johnsha Ali. S, Suganya. V, “Ingredients of Wireless Sensor Network Technique Using Artificial Intelligence and Virtualization”, *International Journal for Research Trends and Innovation (IJRTI)*, Volume 4, Issue 2, Feb 2019, pp. 75–80. ISSN: 2456-3315.
11. Manisha. O, Reshmi. S, Vijay Praveen. J. G, “Web Security Based on the Application of Cryptography”, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, Volume 7, Issue IX, Sep 2019, pp. 983–987. ISSN: 2321-9653. SJ Impact Factor: 7.177.
12. B. Roshini Begum, S. Dharani, Reshmi. S, “Need of 5G Wireless Technology in Internet of Things (IoT) as a Catalyst for Technical Revolution”, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, Volume 7, Issue IX, Sep 2019, pp. 1088–1092. ISSN: 2321-9653. SJ Impact Factor: 7.177.
13. S. Jawahar, A. Harishchander, S. Devaraju, S. Reshmi, C. Manivasagan, P. Sumathi, “Efficiently Mining Closed Sequence Patterns in DNA without Candidate Generation”, *International Journal of Life Science and Pharma Research*, 2020, pp. 14–18. ISSN: 2250–0480.
14. Saphthika. B, Dr. Reshmi. S, et al., “Study of Computer Networking Security and Services for Preventing from Attacks for All the Networking Security Industry”, *Waffen-Und Kostumkunde Journal*, Vol. XI, Issue IV, April 2020, pp. 273–279. ISSN: 0042-9945. (UGC Care / Web of Science)
15. J. Vishaal Kumaran, Dr. Reshmi. S, D. Jithesh, “Artificial Intelligence and Quantum Computing”, *Waffen-Und Kostumkunde Journal*, Vol. XI, Issue IV, April 2020, pp. 316–320. ISSN: 0042-9945. (UGC Care / Web of Science)
16. Suganya. V, Dr. Reshmi. S, et al., “Enactment of Artificial Intelligence in Machine Learning with Presumption and Panorama”, *Waffen-Und Kostumkunde Journal*, Vol. XI, Issue IV, April 2020, pp. 321–328. ISSN: 0042-9945. (UGC Care / Web of Science)

#### **Book Published**

- Published Book on “The Web Explorer’s Handbook Do Code be a Creator “, CIIT, Publication ISBN: 9789361269073. Aug 2024.

#### **Short Term Course**

- Successfully completed the Short-Term Course – Microsoft Power BI Data Analyst Associate, conducted by ICT Academy at Dr. G.R. Damodaran College of Science (One Week).
- Successfully completed the Short-Term Course – Augmented Reality, conducted at Sri Krishna College of Technology (3 Days).
- Successfully completed the Short-Term Course – Advanced Image Processing using Python.
- Successfully completed the Short-Term Course – Artificial Intelligence and its Multi-Disciplinary Stances (W-AIMS 2022), conducted at Gandhigram Rural Institute (Deemed to be University).
- Successfully completed the Short-Term Course – Recent Technologies in Computer Science, conducted at Sathyabama Institute of Science and Technology.

## Letter of Appreciation

- Received a Letter of Appreciation from NPTEL–SWAYAM for mentoring “Python for Data Science.”
- Received a Letter of Appreciation from NPTEL–SWAYAM for mentoring “Soft Skill Development.”

## Acted as a Resource Person

- Delivered lectures and seminars on emerging topics such as Artificial Intelligence, Machine Learning, Web Technologies, Data Science, and Programming Languages.
- Served as Faculty Trainer and Corporate Trainer, including training Cognizant (CTS) freshers in SQL, C, Java, and Web Technologies.
- Actively involved in student skill development initiatives such as the GRG–ELGI Digital Innovation DOJO

## Participation in Conference

- Participated in 9 National and International Conferences.
- Presented research papers at reputed institutions including:
  - Sri Krishna Arts and Science College
  - Sri Krishna College of Engineering and Technology
  - IFERP International Conference
- Topics covered include Computer Vision, Network Virtualization, 5G Technology, AI & Virtual Reality
- Presented a paper titled “*Survey on Identifying Packet Misbehavior in Network Virtualization*” at Aalim Muhammed Salegh Engineering College, 2016.
- Presented a paper titled “*A Breakthrough in Formation of Image Using CV–Computer Vision*” at Sri Krishna Arts and Science College, 2019.
- Presented a paper titled “*Enactment of Huff-Duff Locating System Using GPS Hi-Tech*” at Sri Krishna Arts and Science College, 2019.
- Presented a paper titled “*A Future Communication Technology: An Advanced 5G*” at Sri Krishna Arts and Science College, 2019.
- Presented a paper titled “*Implementing Linked Data for Data Mining*” at Sri Krishna Arts and Science College, 2019.
- Presented a paper titled “*A Machine Learning Hinge Loom for Encroachment Prevention*” at Sri Krishna Arts and Science College, 2019.
- Presented a paper titled “*A Survey on Effectiveness of Network Virtualization*” at Sri Krishna Arts and Science College, 2019.
- Presented a paper titled “*Frequent Sequential Patterns (FSP) Algorithm for Finding Mutations in BRCA2 Gene*” at SKCET, 2019.
- Presented a paper titled “*Penetration of Technology to Virtual Reality in Artificial Intelligence*” at IFERP Conference, 2020.

## Participation in Seminars - 7

## Participation in Workshop - 12

## Participation in Faculty Development Programme - 75

## Participation in Webinar - 15

## Conference/Seminar/Workshop Organized - 30

## Membership in Professional Bodies

Name of the Professional Body	Nature of Membership	Duration
The International Society for Applied Computing (ISAC)	Senior Member (Lifetime Membership)	Lifetime
International Association of Engineers (IAENG)	Professional Member	Since 15 July 2025 – Ongoing
Professional Computing / Engineering Body (Professional Member Card)	Professional Member	March 2025 – Ongoing
ORCID (Open Researcher and Contributor ID)	Registered Researcher	Ongoing
Scopus	Author Profile Member	Ongoing
Web of Science (Clarivate Analytics)	Researcher ID Member	Ongoing
Google Scholar	Author Profile Member	Ongoing
ResearchGate	Academic & Research Member	Ongoing
INFLIBNET – Vidwan / SheRNI	Faculty Research Member	Ongoing
Microsoft CMT	Reviewer / Conference System User	Ongoing

## Awards/Honors

Awards/Honors	Agency/Institute	Year of Award
Top Performing Mentor – Enhancing Soft Skills and Personality	NPTEL & Swayam, IIT Madras	2023

## Indexing and Citations

- Profile URL / IRINS: <https://psgrkcw.irins.org/profile/298964>
- She RNI [INFLIBNET]: <https://sherni.inflibnet.ac.in/profile/298964>
- Vidwan-ID: 298964
- Orcid ID 0000-0003-1160-5438
- Scopus ID 57211131152
- Researcher ID GSE-2964-2022
- Google Scholar ID xUYKp3gAAAAJ
- Web of Science Researcher ID OON-1283-2025
- Research Gate <https://www.researchgate.net/profile/Reshmi-s-2>
- Semantic Scholar ID <https://www.semanticscholar.org/author/S.-Reshmi/35857095>
- Microsoft CMT <https://cmt3.research.microsoft.com/Conference/Recent>

## Contribution

- Acted as Admission Coordinator for AI stream.
- Incharge of Scheme and Syllabus design for AI department (2023).
- Developed and maintained course syllabi aligned with industry standards.
- Coordinated outreach activities to promote AI education.
- Actively participated in Board of Studies (BOS) meetings to propose curriculum changes.
- Placement Coordinator – Guided students in career preparation, facilitated campus placements, organized drives/training, and enhanced employability.
- Coordinator in GRG-ELGI Digital Innovation DOJO for Student Projects (3 batches completed, other batches yet to complete)
- Association Incharge – Coordinated departmental activities, organized seminars/workshops, enhanced student engagement, and maintained institutional records.