



Name : Dr. L. Sheeba
Designation : Assistant Professor
Department : BCA, PSGR Krishnammal College for Women
Qualification : Ph.D. (Computer Science), MCA, B.com (CA)
Experience : Teaching -14 Years
Research : 8Years

Area of Specialization(s) : Network Security, Artificial Intelligence, Wireless Sensor Networks

Email (Official ID): sheeba@psgrkcw.ac.in

Academic Qualifications

| Degree | Branch | Institution/University Name | Year of Graduation |
|--------|-----------------------|---------------------------------|--------------------|
| Ph.D. | Computer Science | Bharathiyar University | 2022 |
| MCA | Computer Science | RVS College of Arts and Science | 2010 |
| B.com | Computer Applications | RVS College of Arts and Science | 2008 |

Additional Qualifications

| Diploma/ Vocational/ Certification | Area of Specialization | Institution/University/AgencyName | Year |
|--|------------------------|-----------------------------------|------------|
| Certification | Coursera | Completed 150 Coursera Courses | 2024 ,2025 |

Research Guidance

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

Research Publications (Indexed)

1. L Sheeba, Dr.V.S Meenakshi “A Brief Survey on Intrusion Detection System for WSN”, International journal of computer trends and Technology, Volume 40 Number 3 - October2016, 109-114. ISSN: 2231-2803 IMPACT FACTOR: 1.479. Citation: 03.(UGC Approved Journal)
2. L.Sheeba on” An analysis of intrusion detection system using KDD dataset in WEKA” , International Journal of Latest Trends in Engineering and Technology at St. Aloysius College, Mangalore, PP. 018-021,Nov 2017, Impact Factor: 0.685, Index Copernicus, ICV - 77.02/100 ,Index Copernicus, ICV - 7.39/10,e-ISSN : 2278-621X, p-ISSN : 2319-3778,pigno:18-21[open access Journal]
3. L Sheeba,Dr.V.S Meenakshi “Latency Aware Reliable Intrusion Detection System for Ensuring network Security”, First Online12 December 2018, DOIhttps://doi.org/10.1007/978-981-13-1882-5_33, Springer, Singapore, Print ISBN 978-

981-13-1881-8, Online ISBN978-981-13-1882-5, pgno: 383-399, Volume-750, eBook Packages Intelligent Technologies and Robotics, book will be reflected in the **SCOPUS database**.

4. L Sheeba, Dr.V.S Meenakshi "Prioritization Based Delay Avoided Secured and Reliable Data Transmission in Wireless Sensor Network", Journal of Advanced Research in Dynamical and Control Systems Vol. 10, 12-Special Issue, 2018, ISSN 1943-023X 1322 Received: 23 July 2018/Accepted: 21 Aug 2018 Pg.no: 1322-1335. **(SCOPUS)**.
- 5.L.Sheeba "Network Latency and Power Reliability for Ensuring Network Security in Military Applications through Intrusion Detection" Journal of IOSR Journal of Engineering (IOSRJEN). ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 95-105. **(UGC Approved Journal) Impact Factor:1.645**
6. L Sheeba, Dr.V.S Meenakshi International Journal of Recent Technology and Engineering (IJRTE) Latency and Power Aware Reliable Intrusion Detection System for Ensuring Network Security in Military Applications, Retrieval Number: B10570982S1119/2019©BEIESP, DOI: 10.35940/ijrte.B1057.0982S1119, ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019. **(SCOPUS)**.
7. M. Harshini, Mrs. L. Sheeba, Mrs. M. Selvanayaki, Anticancer Activity of Catharanthus Roseus and Murraya Koenigh, International Journal of Critical Reviews. ISSN (online):2394 - 5125, Volume 7, Issue 8, 2020 **(SCOPUS)**.
8. L.Sheeba, Dr.V.S. Meenakshi. "Privacy Concerned Anonymous Authentication Method for Sybil Attack Detection In WSN", European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 07, Issue 09, 2020.page no: 923-937 **(SCOPUS)**.
9. L Sheeba, Dr.V.S.Meenakshi " Hybrid Node Watching Technique Based Dos Flooding Attack Detection In Wireless Sensor Network", ICTACT Journal On Communication Technology, DECEMBER 2020, VOLUME: 11, ISSUE: 04, DOI: 10.21917/ijct.2020.0339, ISSN: 2229-6948**(ONLINE) (UGC JOURNAL)**
10. L. Sheeba, "Online Student Mentoring System", Turkish Journal of Computer and Mathematics Education, ISSN: 1309-4653 Vol.12 No.14 (2021), 1319 – 1324 **(2021) (SCOPUS)**.
11. Dr. L. Sheeba, Machine Learning Algorithms for Healthcare Data Analysis, Indian Journal of Natural Sciences, Vol.14 / Issue 79 / Aug / **2023**, International Bimonthly (Print) – Open Access ISSN: 0976 – 0997, pgno :58649-58657. **(WEB OF SCIENCE) Impact factor 2.452**.
12. Dr. L. Sheeba, "6G through Artificial Intelligence: A Vision" Indian Journal of Natural Sciences, IJONS/PUB-82/VOL-14/FEB/113/2024. on 5th FEB 2024 / Volume 14/ Issue 82/ P.Nos. 67296 – 67309. **(WEB OF SCIENCE) Impact factor 2.452**
13. Dr. L. Sheeba, "An Air Compressor Failure Detection through Time Series Data using CNN in Deep Learning "Indian Journal of Natural Sciences, Vol.14 / Issue 82 / Feb / 2024 International Bimonthly (Print) – Open Access ISSN: 0976 – 0997, p.nos : 68654- 68663. **(WEB OF SCIENCE) Impact factor 2.452**.
14. Dr .L.Sheeba "Multi-Layer Ensemble Learning for Classification Human Emotion Analysis from EEG Signals ", **IEEE International Conference for women in Innovation, Technology & Entrepreneurship (ICWITE 2025) 26-27 Sep 2025. At BGS College of Engineering and Technology, Bengaluru. 978-1-6654-5762-0/25/\$31.00 @2025 IEEE.**

Patent

| S.No | Name of the Faculty | Title of the Invention | Application No. | Date of Filing | Publication Date |
|------|---------------------|---|-----------------------|----------------|------------------|
| 1. | Dr. L. Sheeba | System and Method for Detecting Lung Cancer using Intelligent Image Pattern Recognition Technique | 202241028120A | 2022 | 03/06/2022 |
| 2. | Dr. L. Sheeba | IoT Based Wearable Medical Monitoring Device | Design No: 387404-001 | 31/05/2023 | |

Book Published

- Published Book on “Python Programming” by Alpha International Publication , ISBN :978-93-95978-58-3 ,2022.
- Published Multiple Choice Question Book on “Java Programming” by AmazonKindle Library,2023.
- Published Book on “The Web Explorer’s Handbook Do Code be a Creator “, CIIT Publication ISBN:9789361269073. Aug 2024.
- Published Book on “Crack the C Code for Beginners “ by CiiT Publications ,ISBN: 9789361267246, 93-6126-724-8 Aug 2025.

Book Chapter Published

1. Dr. L. Sheeba, Analysis of Hedychium Flavum Waste Powder as a Potent Heavy Metal Adsorbent, Sustainable and Cleaner Technologies for Environmental Remediation, Springer, Cham. https://doi.org/10.1007/978-3-031-29597-3_10, pp 113–120, Print ISBN:978-3-031-29596-6, Online ISBN 978-3-031-29597-3. https://link.springer.com/chapter/10.1007/978-3-031-29597-3_10.
2. Dr L. Sheeba has published a book chapter on the title “6G Impacts on Natural Habitats and Human Life”, for the book titled “Eco-Intelligent 6G Deployment: A Data-Driven Multi-Objective Framework for Sustainable Impact Analysis and Optimization ”, IGI Global Scientific publishing, Pages: 191-226 ,DOI: 10.4018/979-8-3373-2220-9.ch008, Copyright: 2025,Pages: 36. Indexed In: **SCOPUS** <https://www.irma-international.org/chapter/eco-intelligent-6g-deployment/378230/>
3. Dr L. Sheeba has published a book chapter on the title “Chatbots in Educational Leadership and Management”, for the book titled “Transforming Student Engagement Through AI, AR, VR, and Chatbots in Education “”, IGI Global Scientific publishing, DOI: 10.4018/979-8-3693-8734-4, ISBN13: 9798369387344| ISBN13 Softcover: 9798369387351|EISBN13: 9798369387368, March, 2025|Copyright: © 2025 |Pages: 444 Indexed In: **SCOPUS** <https://www.igi-global.com/chapter/designing-chatbots-for-educational-leadership/371557>
4. Dr L. Sheeba has published a book chapter on the title “Cybersecurity Insurance Frameworks and Innovation in the AI Era.”, for the book titled “Enhancing Cybersecurity Insurance Through AI and Blockchain for Proactive Risk Management “”, IGI Global Scientific publishing, DOI: 10.4018/979-8-3373-1977-3.ch012 , Pages 349-376, Copyright: © 2026 |Pages: 28 <https://www.igi-global.com/chapter/enhancing-cybersecurity-insurance-through-ai-and-blockchain-for-proactive-risk-management/384196>
5. Dr L. Sheeba has published a book chapter on the title “Harnessing AI for Drug Discovery: Machine Learning Perspectives”, for the book titled “A Novel Deep Learning Model for Drug Discovery “”, Nova Science Publisher’s, DOI: <https://doi.org/10.52305/XIKL2761> , Publication Date: June 16, 2025 ,ISBN: 979-8-89530-540-9. Page Count: 332 Pages.<https://novapublishers.com/shop/harnessing-ai-for-drug-discovery-machine-learning-perspectives/>

6. Dr.L. Sheeba has published a book chapter on the title Energy Efficient Internet of Things-Based Wireless Sensor Network “, for the book titled “Adaptive Blast Radius Optimization for Energy-Efficient Routing in Wireless Sensor Networks and IoT”, Scrivener Publishing LLC, Page no: (319–340), Copyright © 2025.
7. Dr.L. Sheeba has published a book chapter on the title AI in Digital Transformation of Business Schools: A Proposed AIM Biz Model”, for the book titled “Accreditation at the Intersection of AI and Assurance of Learning”, IGI Global Scientific publishing, September, 2025|Copyright: © 2026 |Pages: 315, DOI: 10.4018/979-8-3373-6365-3 ISBN13: 9798337363653|ISBN13 Softcover: 9798337363660|EISBN13: 9798337363677.
8. Dr.L. Sheeba has published a book chapter on the title “ Integrating AI and Blockchain for Cybersecurity Insurance in Risk Management for Predictive Analytics in Insurance ”, for the book titled **Harnessing Data Science for Sustainable Insurance** ”, IGI Global Scientific publishing, Copyright: © 2026 |Pages: 32 DOI: 10.4018/979-8-3373-1882-0.ch013 Release Date: July, 2025|Copyright: © 2026 |Pages: 574 DOI: 10.4018/979-8-3373-1882-0 ,ISBN13: 9798337318820|ISBN13 Softcover: 9798337318837|EISBN13: 9798337318844.
9. Dr.L. Sheeba has published a book chapter on the title “Quantum-Resilient Security Protocols for IoT Communication in Smart Urban Infrastructure ”, for the book titled “ Optimizing Business Operations With Quantum AI ”, IGI Global Scientific publishing, Projected Release Date: October, 2025|Copyright: © 2026 |Pages: 550 DOI: 10.4018/979-8-3373-4347-1 ISBN13: 9798337343471|ISBN13 Softcover: 9798337343488|EISBN13: 9798337343495.
10. Dr. L. Sheeba has published a book chapter on the title “A Prediction and optimization Model for predicting genetic Diseases in crops “, for the book titled “Integrating AI In Science, management and technology “ , Springer nature Switzerland AG 2025.CCIS 2699,PP1-11,Copyright year 2025.

Short Term Course

- AICTE One-week Training on Next Gen Sequencing (KSR College of Technology)
- APSSDC Artificial Intelligence Course (2022)
- Multiple FDPs / Workshops on AI, IoT, Cloud Computing, Data Mining

Letter of Appreciation

- From Coursera (Best Ambassador Award, 2024)
- From PSGRKCW for Academic Contributions CIIED

Acted as a Resource Person

- Judge for quiz competition at Forest Government College, Coimbatore.2017
- Delivered Guest Lecture on Networking for PG & Research (Computer Science) atHindustan College of Arts and Science, Coimbatore.2018
- Delivered webinar series on journey of research for Association of ACLARA & Department of Computer Science at AJK College of Arts and Science,Coimbatore. May 2019
- Delivered Guest Lecture on Computer Networks for Computer Science students atAJK College of Arts and Science, Coimbatore.AUG2019
- Delivered Guest Lecture on Database Management System at KG College of arts andScience, Coimbatore on 20-11-2021
- Conducted classes as Resource Person for Distance Education Classes (M.Sc.; M.C.A) for Bharathiyar University, Madurai kamarajar University and Annamalai University.
- Judge for TIRANGA”23 competition at PSGRKCW on 30-01-2023.

- Delivered Guest Lecture on “Object oriented programming concepts in C++” at KG College of arts and Science, Coimbatore on 21-04-2023.
- Judge for Adhyayan 2024 Fresher Day Competition @KCW on 09-08-2024.
- Delivered one day webinar on “A RoadMap to Data Science” at St.Justin Arts and Science College for women , Sivagangai on 28-08-2024.
- Judge for Poster Designing Competition @AI Club @ KCW on 09.10.2024
- Delivered Guest Lecture on “Client /Server Architecture” at KG College of arts and Science, Coimbatore on 11-11-2024.
- Delivered one day webinar on “A RoadMap to Data Science” at St.Justin Arts and Science College for women , Sivagangai on 28-08-2025.

Reviewer in journal

- Springer – Journal of Ambient Intelligence & Humanized Computing
- Soft Computing
- Optik (Elsevier)
- Internet Technology Letters
- Malaysian Journal of Computer Science

Presentations in Seminar -nil

Participation in Conference

- Presented papers in 53 conferences (25 National + 28 International)

Participation in Seminars -26

Participation in Workshop -30

Participation in Faculty Development Programme - 35

Participation in Webinar -30

Conference/Seminar/Workshop Organized -10

- Coordinator for UGC Sponsored National Conference (ICTES'16)
- Organized EAC Entrepreneurship Camps (DST-NIMAT)
- FDPs on AI, Data Science, Big Data, Bioinformatics

Grants

- GRG Trust Project – Student Mentoring System (Completed, Rs.1 Lakh)
- GRG Trust Project – PhD Online Web Interface (Completed, Rs.70,000)
- GRG Trust Project – AI-based Admission Chatbot (Ongoing, Rs.1,00,000)

Membership in Professional Bodies

| Name of the Professional Body | Nature of membership | Duration |
|--|---------------------------|------------------|
| Indian Science Congress Association | Lifetime Member | 2023 - Lifetime |
| Doctoral committee, Bharathiyar University | Doctoral Committee Member | 2023 – Till Date |
| Math Tech Thinking Foundation (MTTF) | Registered Member | 2024 – Till Date |

Awards/Honors

| Awards/Honors | Agency/Institute | Year of Award |
|--|---|---------------|
| Standout Performer Award (Event Coordination – Eco Watch Club) | ISKON, GITA Values Coimbatore | 2022 |
| Best Nature Conservation Award | Nature Conservation Society, Coimbatore | 2023 |
| Mangala Sirpiyar Award | Ulaga Tamil Neri Kazhagam & Thirukkural Ulagam Kalvi Saalai, Coimbatore | 2024 |
| Best Ambassador Award (Completed 141 Coursera Courses) | Coursera | 2023 |
| Outstanding Contribution Award (Virtual Tree Plantation – 27,900 kg carbon offset) | Kovai Makkal Sevai Maiyam, Coimbatore | 2025 |
| Excellence in Education Award | Master Professional Academy, Coimbatore | 2025 |

Indexing and Citations

| Cited by | All | Since 2020 |
|-----------|-----------|------------|
| | Citations | 22 |
| h-index | 3 | 2 |
| i10-index | 0 | 0 |

- IRINS Profile URL: <https://psgrkcw.irins.org/profile/135807>
- VIDWAN ID: 135807
- ORCID ID: 0000-0003-1269-6888
- Scopus ID: 57205209625
- Researcher ID: AAF-3204-2020
- Google Scholar ID: W7KXQRCAAAAJ
- ResearchGate: <https://www.researchgate.net/profile/sheeba-l>
- LinkedIn: www.linkedin.com/in/dr-sheeba-l-b02966198

Contribution

- Coordinator – Community College (Multimedia & Animation) – 3 years
- IQAC Newsletter In-charge – Departmental Level
- In-charge – Job Oriented Courses – 3 years
- Coordinator – Eco Watch Club – 9 years
- Coordinator – Lion’s Club Activities
- ISO In-charge – 7 years
- NAAC Criteria III In-charge – College level
- Coordinator – FDP on Big Data Analytics in Bioinformatics (DBT, Feb 2020)
- Coordinator – College Magazine (2022)
- Admissions Coordinator – PSGRKCW
- College Calendar In-charge – 2024 onwards
- College Website Coordinator – 2024 onwards
- Ample In-charge – 2025
- Mentor for Student Projects with GRG–ELGI DOJO (4 batches completed)
- Attended App Development Training at ELGI Campus