

Name : Dr. B. Leelavathi
 Designation : Associate Professor
 Department : Computer Technology
 Qualification : MCA., M.Phil., Ph.D.
 Experience : Teaching: 16 Years Industry: 1 Year Research: 13 Years
 Area of Specialization(s) : Advanced Networking
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Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Computer Science	Bharathiar University, Coimbatore	2019
M.Phil.	Computer Science	D.J. Academy for Managerial Excellence, Coimbatore	2012
MCA	Computer Applications	Madurai Kamaraj University, Madurai	2007
B.Sc.		Nirmala College for Women, Coimbatore	1997

Additional Qualifications

Diploma/Vocational/Certification	Area of Specialization	Institution /University/Agency Name	Year
HDSE	Computer Science	APTECH	1998
PGDCA	Computer Science	Bharathiar University	2000
DST	Computer Science	Indian Institute of Software Testing	2008

Research Guidance

- **Other Publications: International/National Journals**
- B. Leelavathi, “Adaptive Firefly Algorithm based Feature Selection and Unsupervised Fuzzy Extreme Learning Machine(USUFELM)with Network-based Intrusion Detection and Prevention System”, Journal of Computational Information System, ISSN:1553-9105,pp: 34-44, Sep. 2018.
- Dr. Leelavathi.B “A Study on Factors Influencing as a Best Practice for Image Classification”, International Conference on Signals, Communication and Embedded Systems Global Technology Forum 2020.

- Dr. Leelavathi.B “**Analysis on Economic and Environmental impact of Global Warming and therole of AI in fighting climate change and its risk.**” Proceedings of International conference on Intelligent computing and Technology ICICT 2022 ISBN978-93-91977-13-9
- Dr. Leelavathi.B “**A recent study on bone mass index for males and females using a support vector machine classifier and its preventive measures**”, Journal of Emerging technologies and innovative research, (ISSN : 2349-5162) September 2022
- Dr. Leelavathi.B “**Survey on multimedia technologies using animated learning**”, Shanlax Publication, October 2022
- Dr. B. Leelavathi, “**Enhancing Data Security: The Role Of Autonomous AI Systems In Safeguarding Internet Users' Data** “, 978-93-6260-000-0, Charulatha Publication, Sep 24.
- Dr. Leelavathi.B, Dr. T. Sarathamani “**Exploring Agriculture through Artificial Intelligence A comprehensive Survey**”, Genes, Greens and Machines The Biotechnology Revolution, Shanlax Publications, November 2024

Presentations in Conference

- B. Leelavathi and M. Rajesh Babu “**An Efficient Worm Detection System using Multi feature analysis and classification techniques**”, International Conference on Inventive Computation Technologies (ICICT2017), IEEE Xplore Compliant, RVS Technical Campus, ISBN978-1-5090-6697 1
- **B. Leelavathi** and M. Rajesh Babu “**A Research on challenges in Quality of Service**”, National Conference on Wireless Communication (CYSTROM’15),PSGR Krishnammal College for Women.
- B. Leelavathi and M.RajeshBabu “**A Study on worm its types and detection methods**”,NationalConferenceonComputerCommunicationandInformationTechnology(NCCCIT’16),Dr .N.G.P.Arts and Science College.
- B.Leelavathi, “**A Survey on Malware Detection using Machine Learning Algorithms** ”National Conference on Emerging Trends in Mathematics with Computer Applications, Dr.N.G.P. Arts and Science College,Coimbatore,12&13-Sep-19.
- Dr. B.Leelavathi “Automatic Time Table Generator Design, Implementation and Evaluation” National Conference on Recent Trends in Computer Science and Data Analytics – 2024(ICRTCSDA-24) KPR College of Arts Science and Research, 02-02-2024
- Dr. B.Leelavathi “ A comprehensive survey on malware threats in social media: Trends challenges and mitigation strategy “ICSSR Sponsored National Seminar on IOT Cyber Security: Challenges and Solutions for Social and Real-life Applications, Dr. N.G.P Arts & Science College, 5.1.24
- **National& International Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore,28-Sep-16.**
- National Conference on Emerging Trends in Mathematics with Computer Applications, Dr. N. G. P. Arts and Science College ,Coimbatore,12 &13-Sep-19.
- International Conference on Research Trends in Computing Technologies, Dr.N.G.P. Arts and Science College, Coimbatore, 28 &29-Feb-20.

- National Level Seminar on “Joy of Orderly Living”, Kamdhenu Arts and Science College, 5-5-2020.
- Webinar on “How to be a Successful Instructional Designer in Learning”, PSG College of Arts and Science, 6th May 2020
- Webinar on “Gamification Tools in Teaching” organized by Internal Quality Assurance Cell, St. Xavier’s College for Women, Alva on 07-05-2020.
- International Webinar on Futuristic Information and Communication Technology CSI, 10th May 2020.
- Webinar Series on “TEACHING LEARNING TOOLS FOR THE DIGITAL ERA” organized by Sri Ramakrishna Arts and Science College, 11th May, 2020 to 16th May, 2020.
- Webinar on “Personal Effectiveness need of the hour”, Sakthi Institute of Information and Management”, May 14 2020.
- Webinar on ‘Cloud Services –Sales force CRM & Applications Setup’, M.O.P. Vaishnav College for Women (Autonomous) Chennai on 14th May 2020.
- Online Super Session on Personal Financial Management expert session by ICT Academy conducted on 20 May 2020
- Webinar on “Amazon Webservice with Linux”, University of Kerala, 10th July 2020.
- Webinar on Reg Tech: The Way Forward, Indo Taiwan Joint Research Centre, June 17 2020
- National Level Webinar on “Creativity” jointly organized by Ek Bharat Shreshtha Bharat (EBSB) Club, Government Arts College (Autonomous) Salem on 29-06-2020
- National Level Webinar on “Research Perspectives in Sociometric”, Bishop Cotton Academy of Professional Management on 03-07-2020.
- International Webinar on “BLENDED LEARNING” organized by Department of Commerce, JBAS College for Women on 14/08/2020.
- Webinar on “Object oriented Program through Java”, College of Engineering Pathanpuram, 16th August 2020.
- Online seminar on “Research & Innovation Driven, IPR & Patent Filing”, DR.T. Thimmaiah Institute of Technology, Karnataka, on 18-11-2020.
- International Webinar on “Blockchain Technology”, Wollo University, K IoT, Ethiopia on 7 May 2021.
- Webinar Series on “IT Tools and Applications”, SRM Trichy Arts and Science College, on May 24 to 27 May 2021.
- B. Leelavathi, “ Analysis on economic and environmental impact of global warming and the role of artificial intelligence in fighting climate change and its risks” ,Proceedings of International Conference on Intelligent Computing and Technology ICICT-2022, Sri Ramakrishna College of Arts & Science on 9.3.2022
- B. Leelavathi, “AI personalized elderly care :Revolutionizing Generic health care” ICSSR National seminar organized by Dr.NGP ASC on 30.1.25
- B. Leelavathi, “AI Driven threat detection for Smart phones” ICCICT 2K25 Conference organized by Dr. NGP ASC on 3.1.25
- B. Leelavathi, “A collaborative path to industry transformation using AI and Bigdata Analytics”, National

Participation in Workshop/Seminar/FDP

- Workshop on NS2, D.J. Academy for Managerial Excellence, Oct-2011.
- Science Academies Lecture Workshop on Internet of Things: A Research Perspective of science Smart Environment, Dr. GRD College of Science, 15 & 16-Apr-2016.
- Online Java Programming, Spoken Tutorial, IIT Bombay, Jan 2020.
- National level Workshop on “SmartResearch” 2020, Govt First Grade College Kanakapura, 7 to 9th May 2020.
- Two Day National Level Virtual Workshop on “RESEARCH AND RELATED TOOLS ” organized by Centre for Research and Development, CMS College of Science and Commerce, Coimbatore on 16th & 17th April 2021.
- Two Days, State Level Online Workshop on “CSIR/UGC -NET/SET/PET Examination Preparation held on 23/08/2021 & 24/08/2021 organized by KSKW Arts, Science & Commerce College CIDCO, Nasik, Maharashtra.
- Two Days “Critical and Creative thinking skills” on 5.8.24 and 6.8.24 Organized by MJM Co EFW, CBE
- Five Days “AI tools “ on 17.2.2025 to 21.2.2025 on KG College of Arts and Science

Participation in Faculty Development Program

- Faculty Development Program, D.J. Academy for Managerial Excellence, Sep-11.
- Introduction to R Programming, ICT Academy, 6 & 7-Dec-17.
- NAAC Revised Accreditation Frame work and OBE Assessment Methodology, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 2-Jun-19.
- 2 Day Faculty Development Program on “Introduction to Cloud Computing, ICT Academy 24-1-2019 to 25-1-2019
- Three-Day Online Faculty Development Program on “Emotional Intelligence” organized by KG COLLEGE OF ARTS & SCIENCE, COIMBATORE on 28th, 30th April and 2nd May 2020.
- Online Faculty Development Program on “ICT to ICT”, Rover Engineering College, Chennai, 1 May 2020.
- National Level Faculty Development Program on LaTeX Poornima University, 4 May to 8 May 2020.
- Online Faculty Development Program on “Online Teaching Methods and Pedagogy”, MAR Gregarious College of Arts and Science, 7 May 2020.
- Faculty Development Program on “Big Data Analytics For Business” Hindustan college of arts and science (AUTONOMOUS), 08 MAY 2020.
- Online Faculty Development Program on Examinations in wake of COVID-19, Patrician College, Chennai, 8th May 2020
- Faculty Development Program Digital Learning Series on the theme “Role of Artificial Intelligence in World Health Crisis “, Sri Ramakrishna Arts and Science on 18 May 2020
- Three Day Faculty Development Program on “Improving Your Research Visibility – Research Impact and

Metrics”, V e l l a r College of Engineering and Technology,11.5.2020to13.5.2020

- Three Day Faculty Development Program, T h a v a t h i r u S a n t h a l i n g a adagial college of ArtsandScience,17.5.2021 to 19.5.2021.
- Seven days International Faculty Development Program on “Industrial Revolution 4.0:EmergingTrends In Information Technology” organized by School of Computer Science ,PPG College of Arts and Science, held during 21.5.2021 to 28.5.2021.
- Seven days Faculty Development Program on “Research Methodology and Pedagogy for Territory Learning” organized by IQAC, Dr.NGP Arts and Science College held during 15.6.2021to 21.6. 2021.
- Six Day Virtual Faculty Development Program on Recent Trends in Data Science &Big Data Analytics organized by Faculty of Computer Science, KG College of Arts and Science from28.06.2021 to 03.07.2021.
- “National Seminar on Multi-disciplinary approach towards sustainable development” organized by PSG College of Arts and Science on 22/7/22
- Seven day Virtual National Level Faculty Development Program on “RESEARCH METHODOLOGY” organized by Department of Commerce, PPG College of Arts and Science, Coimbatore held during 12th December - 19th December, 2022.
- International Virtual FDP on “Personality Grooming - Handling Stress and Emotional Intelligence” organized by IQAC & Department of Commerce with Information Technology of PPG College of Arts and Science, Coimbatore, Tamandu from 02/01/2023 to 06/01/2023
- Seven Days Virtual Faculty Development Program on” Exploring Technological Advancements: A Voyage into Emerging Horizons “ organized by Sri S.Ramasamy Naidu Memorial College from20.11.23 to 27.11.23
- Five Days Faculty Development Program on “ Empowering Education for innovation - A NEP perspective” organized by Dr. NGP Arts and Science college from 30.06.23 to 04.07.2023
- “A study on career opportunities and current trends in computer science” in Inter Collegiate Symposium- ADIVIDYA 23, held on 17.02.2023.
- “A survey on multimedia technologies using animated learning” in Inter Collegiate Symposium- ADIVIDYA 23, held on 17.02.2023.

Online Course

- Online course on “Network Security and Management”,Sri Krishna Adhithya College of Arts and Science on 2-5-2020
- Online Course “DeepLearning.AI”, Coursera,9.5.2020.
- Online Course “Python3.4.3”, IIT Bombay, May2020.
- Online Course “Cloud Computing Basics” Courser online course on “Network Security and Management” ,Sri Krishna Adhithya College of Arts and Science on 2-5-2020
- Online Course “Green Business Management”, Organized by CMS College of Science andCommerce,22.5.2020.
- Online course “Fundamentals of Information Security”, Conducted by Infosys Springboard on

20/12/2022

- Online course “Introduction to Internet of Things”, Conducted by Infosys Springboard on 2/1/2023
- Online course “Oracle 9i Course Bundle” 42 hours Organized by Infosys Springboard, December 14, 2023
- Online course “Big Data - 301” 42hrs Organized by Infosys Springboard, April 10, 2024
- Online course,” Angular “37 hours, Organized by Infosys Springboard, 20.9.24
- Online Course, “ Javascript “, Organized by Spoken Tutorial, 9.10.2024

Invited Speaker/SessionChair/MemberOrganizingCommittee-Conference/Seminar/Workshop

- **Organizing Member**, Emerging Trends in Mathematics using Computer Applications (ETMCA-19). Dr. N.G.P. Arts and Science College, Coimbatore, 12 &13-Sep-19.
- **Organizing Member**, International Conference on Recent Trends of Computer Technology (ICRTCT2020), Dr. N.G.P. Arts and Science College, Coimbatore, 28&29-Feb-20.
- **Organizing Secretary**, **National Workshop on Big Data Analytics in Clinical Research** Dr. NGP College of Arts and Science, Coimbatore, 17-Nov- 2021
- Department association activities like Alumni interaction, guest lectures and, Intra department competition, Interdepartmental competition. from 2023
- Organizing Member for PTA and ASI Dr.NGP Arts and Science College from 2024
- **Organizing Program Committee Member** ICCICT 2K25 Conference organized by Dr. NGP ASC on 3.1.25

Invited Talk/Guest Speaker

- **Resource Person**, Webinar on” Role of Information System in Business”, PPG College of Arts and Science, Coimbatore, 04-2-2021
- **Resource Person**, Seminar on” Intellectual Property rights and IP Management for startup”, KG College of Arts and Science, Coimbatore, 27-4-2021
- **Resource Person**, Webinar on “Sales Promotion Using Business Intelligence”, PPG CAS on 3.3.23
- **Resource Person**, Guest Lecture on “Techniques for creating responsive web design and ensuring their web security” PPG College of Arts and Science 28.2.24
- **Resource Person**, “Workshop on Intrusion detection using machine Learning”, PPG CAS on 3.9.24.
- **Resource Person**, Functional FDP on “Need and Design of ML based Intrusion Detection Systems “ Dr. NGP Arts and Science College on 29.01.2025

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
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Computer Society of India	One Year	June 2020- May 2021
CSTA(Computer Science Teachers Association)	Annual	From May 2024
Internet Society	Annual	From May 2024