



**B.Latha**  
**307, Crystal Springs Rajparis**  
**Apartments, Block 1,**  
**Mambakkam Main Road,**  
**Madambakkam,**  
**Chennai 600126.**  
**E-mail: latha.b.cse@psvpec.in**

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### **Career Objective**

To work in a reputed organization, which will provide me a platform to share my knowledge with budding students, to contribute substantially towards organizational goals and prove to be an asset to the organization I work.

### **Working Experience**      **18+ Years**

- ◆ Working as Assistant Professor in the Department of Information Technology, Prince Shri Venkateshwara Padmavathy Engineering College, Chennai (04 June '2020 to till now).
- ◆ Worked as Associate Professor in the Department of Computer Science and Engineering, Prince Dr.K.Vasudevan College of Engineering and Technology ,Chennai (December '2012 to May' 2020).
- ◆ Worked as Associate Professor in the Department of Information Technology, Panimalar Engineering College, Chennai (May '2010 to June'2012).
- ◆ Worked as Assistant Professor in the Department of Computer Science and Engineering, SBMJCE, Bangalore (July '2009 to May'2010).
- ◆ Senior Lecturer in the Department of Computer Science and Engineering, MVJCE, Bangalore (June '2004 to Jan'2005 & Jan'2007 to June'2009).
- ◆ Lecturer in the Department of Computer Science and Engineering, MAMCE, Trichy (July'2001 to May 2004)

### **Qualification**

- ◆ ***Pursuing Ph.D(Part time/External)*** in Anna University under the supervision of **Dr.Jayashree, Director & HOD, MIT.**
- ◆ ***M.Tech(Full Time)*** in Computer Science and Engineering from **Dr. MGR University, Chennai, Passed with CGPA 8.95.**
- ◆ ***B.E.*** in Computer Science and Engineering from **Madurai Kamaraj University, Madurai, Passed with First Class with 71 %.**
- ◆ ***SSLC*** from Govt. Girls Hr Sec School, Mannachanallur, Trichy, ***Passed with 91%.***

- ◆ *HSC* from, Govt. Girls Hr Sec School, Mannachanallur, Trichy, ***Passed with 83%***.

### **Skills**

<b>Programming Languages</b>	:	COBOL, C, C++, Java, Python
<b>Operating System</b>	:	Windows 9x, Windows2000 and DOS, Unix, Linux
<b>GUI and Database</b>	:	Developer 2000 & Oracle 8i
<b>Simulator</b>	:	NS2

### **Projects Undertaken**

- ◆ Designed Line Editor using ‘C’ Programming
- ◆ Computerization of calibration Center.
- ◆ Designed Graphics Package using ‘Java’ programming.

### **Research and development activities**

- ◆ Currently working on “Security in Medical data” as which is my area of interest.
- ◆ Guided more than 30 UG Students projects related to my field of interest like Security, Networking, IoT, Data Science.
- ◆ Mentored 5 teams for Innovative Assignment Presentation and 2 teams got selected for final round.
- ◆ Being mentor for 6 teams and helped students to upload their ideas on Yukthi.
- ◆ Have Completed many NPTEL courses.
- ◆ Awarded NPTEL Discipline STAR for 2025

### **Co-Curricular Activities**

- ◆ SPOC, Smart India Hackathon at Prince Shri Venkateshwara Padmavathy Engineering College.
- ◆ SPOC for NPTEL, since 2022 at Prince Shri Venkateshwara Padmavathy Engineering college and got 3 times Best Active SPOC Certificate.
- ◆ Active Mentor certificate was awarded for 4 courses by NPTEL.
- ◆ Coordinator, IITM Online Degree Course Facilitated by IITM.
- ◆ NBA Coordinator for IT Department, PSVPEC.
- ◆ Placement Coordinator, Prince Shri Venkateshwara Padmavathy Engineering College.
- ◆ Team Head, SIPL (School Innovator Premier League) for branding the college for various schools across Chennai.
- ◆ Active Innovation Ambassador in IIC and given more than 30 lectures in other institutions

in Tamilnadu, 15 lectures internally and 2 lectures at National level.

- ◆ Timetable in charge for department of IT since 2021 at Prince Shri Venkateshwara Padmavathy Engineering College.
- ◆ Participated University Practical Examiner as internal as well as external, Being Examiner for central Valuation many times.
- ◆ Worked as a **department coordinator for the placement cell** and conducted many coaching classes for students as a part of career guidance programme in MVJCE, Bangalore.
- ◆ Organized a 2 days workshop on “**Embedded systems**” at SBMJCE, Bangalore.
- ◆ Organizing coordinator for the “**21<sup>st</sup> National level CSI Students convention**” in “**ICT for rural development**”, MVJCE (Sep’2007).
- ◆ Worked as a department coordinator for the national level technical symposium “**ComBlaze’02**” in MAMCE(Aug’02).
- ◆ Worked as a department coordinator for the national level technical symposium “**ComBlaze’03**” in MAMCE(Sep’03).
- ◆ **Internal Test Coordinator** in the department of computer science in MVJCE, Bangalore.
- ◆ Worked as **Alumni Secretary** in MVJCE, Bangalore.
- ◆ Worked as a **Warden of Ladies Hostel** for 1 year in MVJCE, Bangalore.
- ◆ **ISO Coordinator** for the department of CSE, MVJCE, Bangalore.
- ◆ **Proctor’s coordinator** for the department of CSE MVJCE, Bangalore,
- ◆ Worked as a **department coordinator for the placement cell** and conducted many coaching classes for students as a part of career guidance programme in MAMCE, Trichy.

### Workshops and Seminars Attended

- ◆ Faculty Development Programme on Multimedia Computing at Sri Kalasilingam College of Engg, Srivilliputhur, Tamil Nadu.
- ◆ Workshop on Networks Lab at D.S.C.E, Bangalore.
- ◆ Workshop on Ad-Hoc network at UVCE, Bangalore.
- ◆ National workshop on Virtual instrumentation by National Instruments at Leela palace.
- ◆ National workshop on Virtual instrumentation by National Instruments at MVJCE.
- ◆ Workshop on “Embedded Computing” at SBMJCE.
- ◆ Attended 5 days training program on “Storage Area Networks” Organized by EMC.

- ◆ Attended 2 days Workshop on “Soft computing” at MIT, Anna University, Chennai.
- ◆ Attended 2 days Workshop on “Nano Technology” at SVCET, Chennai.
- ◆ Attended many 6 days FDP sponsored by AICTE, NITTR, Anna University.

### Conferences

- ◆ Presented a Technical paper on “**Multi level Information security over internet through video**” for the first National level conference on “Networking” organized by **Reva Institute of technology, Bangalore** held by 21st and 22nd Feb,2009.
- ◆ Presented paper on “**Distributed Key management**” for the National level conference on “Engineering trends in Humanity and Science” organized by Saveetha Engg College, **Chennai** held by 9th March,2012.
- ◆ Presented a Technical paper on “**Securing WSN, A Survey**” for the first international conference organized by SVCET, Chennai held by 17th and 18th Apr,2012.

### Publication

- “**Multi-level Information security over internet through video**” International journal of Power Control Signal and Computation (**IJPCSC**) April-June,2010 Volume 1 No.2.
- Published paper titled “**Application of Machine Learning for the Detection of Secure Cyber Fraud**” at 2024 Global Conference on Communications and Information Technologies, GCCIT 2024,Scopus, 2-s2.0-85218412810.
- Published paper titled “**Sustainable Business Models for Photovoltaic (PV) Systems in Developing Countries**” at E3S Web of Conferences, Scopus, 2-s2.0-85198097587
- “**Holographic Video Surveillance Systems: A Comprehensive Analysis**”, 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024,Scopus, 2-s2.0-85211170232
- “**A Comparative Analysis of Texture Analysis Methods for Image Retrieval**”, 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024,Scopus, 2-s2.0-85211173292.
- “**WPT: A Smart Magnetic Resonance Technology based Wireless Power Transfer System Design for Charging Mobile Phones**”, Proceedings of the 2nd International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics, ICIITCEE 2024,Scopus, 2-s2.0-85189800648.
- “**Securing Wireless Sensor Networks: A Novel AlexNet + GRU-Based Intrusion Detection Framework**”, 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2024,Scopus, 2-s2.0-85190162235
- “**Neural network-based signal processing techniques for near-field acoustics**”, 2nd IEEE International Conference on Innovations in High-Speed Communication and Signal Processing, IHCSP 2024,Scopus, 2-s2.0-105004545644.
- “**Epilepsy Detection Through EEG Signal Classification Using Machine Learning Methods**”, 2nd IEEE International Conference on Innovations in High-Speed Communication and Signal Processing, IHCSP 2024,Scopus, 2-s2.0-105004545644.
- “**Neighborhood Selection for Secure and Efficient Data Transmission in Wireless Sensor Network**”, 2024 IEEE 4th International Conference on ICT in Business Industry and Government, ICTBIG 2024,Scopus, 2-s2.0-105001549491
- “**Optimization of Bit-Rate for Underwater Fibre Optic Networks Using Bandwidth Analysis**”, 2023 3rd International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2023,Scopus, 2-s2.0-85187569538.

- **“Leveraging Text Mining Techniques for Automated Information Analysis”**, 2023 3rd International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2023,Scopus, 2-s2.0-85187564994.
- **“Investigating the Feasibility of Using Machine Learning for Real-Time Data Analysis”**, Proceedings - 2023 IEEE International Conference on Paradigm Shift in Information Technologies with Innovative Applications in Global Scenario, ICPSITIAGS 2023,Scopus, 2-s2.0-85194131861.
- **“Exploring Advanced Edge Techniques in AI to Develop High-Performance Information Retrieval Systems”**, 2023 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2023,Scopus, 2-s2.0-85188138721.
- **“Analyzing and Developing the Security of DNS-Based Authentication in Wireless Sensor Network”**, 2023 3rd International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2023,Scopus, 2-s2.0-85187561529.
- **“Machines Thinking Fast: AI-Powered Automating of Information Capture and Retrieval”**, 2023 3rd International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2023,Scopus, 2-s2.0-85187560869
- **“Identification of Wheat Leaf Diseases Based on Deep Learning Algorithms”**, 7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 – Proceedings, Scopus, 2-s2.0-85186114996

### Patents Published

- Published a patent titled **“AR App for monuments”** during 2022 with patent number 202241039542.
- Published a patent titled **“Smart Urinal”** during 2023 with patent number 202341012965.
- Published a patent titled **“Smart Robot Companion for child”** during 2022 with patent number 202341012967.

### FDP Attended

- Attended 6 Days FDP on **“Technology Insights in Data Science”** at Chennai Institute of Technology during 31-10-2022 to 05-11-2022.
- Attended 6 Days FDP on **“Amazon Web Services”** at PSR Engineering College during 22-08-2022 to 27-08-2022.
- Attended 7 Days FDP on **“Virtual Practices and Security”** at Dr.M.G.R Educational and Research Institute during 07.06.2021 to 13.06.2021.
- Attended 4 weeks online FDP on **“Design Thinking-A Primer”** , NPTEL.
- Attended 5 day FDP on **“Quantum Cryptography and Cybersecurity-A Symbiotic Evolution”** conducted by Sri Sairam Institute of Technology associated with IEEE.
- Attended 1 week ATAL FDP on **“Artificial Intelligence for Data Science-Innovations and Applications”** at JORHAT INSTITUTE OF TECHNOLOGY during 20.01.2025 to 25.01.2025.
- Attended 6 Days ATAL FDP on **“Cloud Computing”** at Tagore Engineering

College .

- Attended 6 Days FDP on “**Machine Learning-Applications**” organized by Anna University, Thirunelveli, Sponsored by AICTE.
- Attended 1 week FDP on “**Wireless Sensor Networks**” at St. Joseph College of Engineering during 04.06.2022 to 09.06.2022.

### **Events coordinated in-house**

- Organized multiple Guest Lectures and Seminars.
- Orientation Program on E-Learning such as NPTEL, IITM Dual Degree Course.

### **Global Outreach Initiatives**

- Signed MoU with National Cheng Kung University, Taipei, Taiwan.
- Established Collaboration with Malaysia University of Science and Technology (MUST)

### **Training the Trainer Program**

- Attended 7 Days Training the Trainer Program on PL/SQL (Online mode) by Virtusa, Chennai.
- Attended 3 Days Training the trainer program on Career Development facilitated by ZOHO Chennai.

### **Skill Enhancement Programs**

Completed 8 NPTEL Program facilitated by IITs.

### **Awards and Achievement**

- Awarded “NPTEL Discipline STAR” by IITM.
- Awarded “PRINCE EXCELLENCE HONOR “ by Prince Shri Venkateshwara Padmavathy Engineering College.
- Active SPOC, NPTEL certificate for 4 time.
- Active mentor certificate by NPTEL, IITM.

### **Subjects Taught**

- ◆ Computer concepts and C Programming
- ◆ Data Structures with C
- ◆ Finite Automata and Formal Languages or Theory of Computation

- ◆ Analysis and Design of Algorithms
- ◆ Computer Organization and architecture
- ◆ Distributed Systems
- ◆ Operating Systems
- ◆ OOPS with C++
- ◆ Cryptography and Network security
- ◆ Cloud Computing
- ◆ Theory of Computing
- ◆ Design Thinking
- ◆ Software Engineering and Design
- ◆ Neural networks and Deep learning
- ◆ Big data analytics
- ◆ Data Science
- ◆ Principles of Compiler Design

### **Personal Profile**

Father's name : K.S. Bose  
Sex : Female  
Nationality : Indian  
Date of birth : 07-04-1980  
Address : LATHA B.  
No 307, Crystal Springs Rajparis Apartments,  
Block1, Mambakkam main road, Madambakkam, Chennai 600126.  
Languages Known : English, Tamil, Malayalam and Kannada.

Date: 11.06.2025

Place: CHENNAI

**( LATHA B)**