


**Sri Sai Ram Engineering College**  
**Department Of Information Technology**

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| Name : <b>Dr.B.LATHA</b>                           |  |
| Designation:                                       | Assistant Professor  |
| Qualification :                                    | M.E.,Ph.D.,  |
| Area of Specialisation :                           | Artificial Intelligence,Network Security   |
| Experience :                                       | Teaching : UG: 11.6 years<br>PG : -<br>Industry : - - yrs                          |
| No. of workshop / Conferences / FDP attended :     | 15   |
| *** No. of workshop / Conferences / FDP organised: | 01   |
| *** Funded Projects                                | -  |
| Publication :                                      | Journal<br>National : 01<br>International : 08                                     |
|  | Conference<br>National : 02<br>International : 03                                  |
| Research Guidance :                                |  |
| General : -  | -  |

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|---------------------|---|
| Staff Achievements: | <p>Received <b>Cash award</b> for 100% result in the following subjects:</p> <ul style="list-style-type: none"> <li>• Computer Networks</li> <li>• Network Protocols, Management &amp; security(2 times)</li> <li>• Software Testing</li> <li>• Cryptography and Network Security(2 times)</li> <li>• Acted as an ISO, Counseling, course file , staff alternate arrangements &amp; Result Analysis coordinator for the Department</li> <li>• Presently acting as NBA Coordinator</li> </ul> <p style="text-align: center;">-</p> |
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Experience:(Details)

| S.NO | INSTITUTION                           | DESIGNATION  | PERIOD   |          | TOTAL PERIOD OF SERVICE |
|------|---------------------------------------|--------------|----------|----------|-------------------------|
|      |                                       |              | FROM     | TO       |                         |
| 1.   | Raja Rajeswari Engg College, Chennai. | Lecturer     | July '98 | Sep '00  | 2 Years                 |
| 2.   | E.V.P Engg College, Chennai.          | Lecturer     | Oct '00  | July '01 | 10 Months               |
| 3.   | Sri Sairam Engg College, Chennai.     | Lecturer     | July '01 | July '05 | 4 Years                 |
| 4.   | Sri Sairam Engg College, Chennai.     | Sr. Lecturer | Aug '05  | July '08 | 3 Years                 |

|                         |                                      |                 |         |           |                    |
|-------------------------|--------------------------------------|-----------------|---------|-----------|--------------------|
| 5.                      | Sri Sairam Engg College,<br>Chennai. | Asst. Professor | Aug '08 | Till Date | 1 Year 6<br>months |
| <b>Total Experience</b> |                                      |                 |         |           | <b>11.6 years</b>  |

Workshop/Conferences/FDP attended: (List)

Workshop attended:

- Attended one day workshop on **Current Trends in Network Security** held on 17/07/04 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended two day workshop on **.Net** and C# held on 17/12/04 and 18/12/04 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended one day workshop on **Network Security Threats and Counter Measures** held on 13/08/05 conducted by St Joseph Engineering College, Chennai.
- Attended one day workshop on **Networks and Security** held on 22/09/06 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended 2 day's **Research Scholar's Meet on Soft Computing Techniques – A Research Perspective** held on 04/04/08 and 05/04/08 conducted by Jaya Engineering College, Chennai.
- Attended One day National Workshop on **Evolutionary Optimization Techniques** held on 23/03/09 conducted by B.S.Abdur Rahman Crescent Engineering College, Chennai-48.
- Attended one day National workshop on SPSS and Research Article Preparation held on 24/04/09 conducted by Sri Sairam Engineering College, Chennai-44.

Conference attended:

- **International Conference on Computer, Controls and Communication INCON CCC** held on 20/08/04 to 22/08/04 conducted by Sri Sairam Engineering College, Chennai-44.

FDP attended:

- FDP on **Total Quality Management** conducted by B.S.A. Crescent Engineering College, Chennai from 29/11/04 to 04/11/04.
- FDP on **Software Quality and Reliability** conducted by Center for Faculty Development, Anna University held on 25/11/05.

- FDP on **Web Technology** conducted by Center for Faculty Development in association with Sri Sairam Engineering College, Chennai-44 from 15/05/06 to 20/05/06.
- FDP on **Quantitative Techniques for Research in Engineering and Management** conducted by TEQIP, Anna University Chennai held on 08/02/07 and 09/02/07.

Workshop/Conferences/FDP organised: (List)

Workshop organized:

- Conducted one day workshop on **“Current Trends in Network Security”** held on 17<sup>th</sup> July 2004 at Sri Sairam Engineering College, Chennai.

Funded projects (List):NIL

Publication:(Details)

Journal:(list)

National:

- **Latha,B. 2005**, “Modeling of Manufacturing Process Using Artificial Neural Network”, SSEC Tech Review, 4,pp.1-8.

International:

- **Latha B.**, Senthil Kumar V.S. ‘Analysis of thrust force in drilling GFRP composites using Fuzzy logic’, Materials and Manufacturing Processes –an International Journal (Journal Published by Taylor and Francis), Vol. 24, No.4, 509-516, 2009.
- **Latha B.**, Senthil Kumar V.S. ‘Fuzzy rule based modeling of drilling parameters for delamination in drilling GFRP composites’ Journal of reinforced plastics and composites (Published by SAGE Publications, UK), Vol. 28, No. 08, 951-964, 2009.
- Vimal Sam Singh R., **Latha B.**, and Senthil Kumar V.S. ‘Modeling and Analysis of Thrust Force and Torque in Drilling of GFRP Composites by Multi-Facet Drill Using Fuzzy Logic’ International Journal of Recent Trends in Engineering , Vol. 1, No. 5, June 2009, pp. 66-70.
- **Latha B.**, Senthil Kumar V.S.2009, ‘Application of Artificial Intelligence for the Prediction of Delamination in drilling of GFRP Composites for obtaining Precision Holes’, International Journal of Precision Technology, Published by Inderscience Publishers, Vol. 1, No. 3/4, June 2010, pp. 314-330.
- Palanikumar,K. Karunamoorthy,L. Karthikeyan,R. and **Latha, B.** ‘Optimization of Machining Parameters in Turning of GFRP Composites Using Carbide (K10) tool based on Taguchi Method

with Fuzzy Logics', Metals and Materials International – an International Journal., 12(6), pp.483-491,2006.

- Palanikumar,K. **Latha, B.** Senthil Kumar, V.S. and Karthikeyan, R.2009, 'Multiple performance optimization in machining of GFRP Composites by PCD tool using Non-Dominated Sorting Genetic Algorithm (NSGA- II)', Metals and Materials International – an International Journal., 15(2), pp.249-258.
- **Latha B.**, Senthil Kumar V.S. 'Two-Objective Simulation Optimization of Process Parameters in Composite Drilling Process Using Evolutionary Algorithm', - International Journal of Engineering Simulation, U.K- **Accepted for Publication.**
- **Latha B.**, Senthil Kumar V.S . 'Modeling and Analysis of Surface Roughness Parameters in Drilling GFRP Composites Using Fuzzy Logic', - Materials and Manufacturing Processes - an International Journal - **Accepted for Publication** (Journal Published by Taylor and Francis).

Conference:(list)

National:

- **B.Latha**, 2005, Modeling of Manufacturing Process Using Artificial Neural Network, National Conference on Distributed Computing & Knowledge Engineering, Sri Sairam Engineering College, Chennai , India, pp.181-185.
- **B.Latha**, V.S.Senthilkumar and K.Palanikumar, 2007, Modeling machining parameters for surface roughness using neural networks, National Conference on Mathematics, Computing and modeling, Gandhi gram Rural University, India, pp. 169-177.

International:

- Palanikumar,K. Karunamoorthy,L. **Latha,B.** Vijayakumar,R. and Keerthy,S. 2003, "Prediction of surface roughness in GFRP composite turning using Neural networks and Taguchi's design of experiments", Proceedings of the International Conference on operational research: Emerging paradigms for Information Technology (APORS – 2003),Asia-Pacific Operational Research Society, New Delhi.
- **Latha, B.** and Senthilkumar, V.S. 2008, "Analysis of Parameters for Thrust Force in Drilling GFRP Composites Using Artificial Intelligence and ANOVA", Proceedings of the 2<sup>nd</sup> International and 23<sup>rd</sup> All India Manufacturing Technology, Design and Research Conference, Indian Institute of Technology Madras, Chennai, India, Vol.2,pp.867-872.

- **Latha B.**, Senthil Kumar V.S, 2009, "Simulation Optimization of Process Parameters in composite drilling process Using Multi-objective Evolutionary Algorithm" Proceedings of an International Conference on Advances in Recent Technologies in Communication and Computing 2009 (ARTCom 2009) ,Association of Computer Electronics and Electrical Engineers (ACEEE)- a division of Engineers Network and Technically co-sponsored by the IEEE Computational Intelligence Society, Published by IEEE CS-Conference Publishing Services and archived in the IEEE Xplore and IEEE CS Digital Library, Kottayam, Kerala, pp.154-159.