

STAFF BIO – FORM

Name of the Institution : SRI SAIRAM ENGINEERING COLLEGE

Name of the Department: Computer Science and Engineering Staff ID: ET01CS01

1	Name (in Block Letter) with initials at the end	:	Dr. LATHA B		
2	Address for Communication	:	Plot No.76, 6 th Cross Street, V.G.P.Srinivasa Nagar(north), Rajakilpakkam, Chennai -73		
3	E-mail id (valid and functional)	:	hod.cse@sairam.edu.in latha.cse@sairam.edu.in		
4	Mobile Number (valid and functional)	:	8754502224 / 9840428435		
5	Nationality	:	Indian		
6	Community	:	BC		
7	Gender	:	Female		
8	Date of Birth	:	01/06/1977		
8a	Designation	:	Professor & Head		
9	Qualification	:	B.E.,M.E.,Ph.D		
9a	Educational Qualification(s) :				
	Qualifications	Specialization	Board / University / Institution	Year of Passing	Percentage
	SSLC	-	State board of Secondary Education, Govt Girls Hr.Sec.School,Chidambaram Tamilnadu	1992	78 (First Class with Distinction)
	HSC	-	State board of Secondary Education, Govt Girls Hr.Sec.School,Chidambaram Tamilnadu	1994	83 (First Class with Distinction)

	*UG	B.E .CSE	Annamalai University,Tamilnadu		1998	72 (First Class with Distinction)	
	*PG	M.E.CSE	Sathyabama Institute of Science & Technology, Deemed University, Chennai		2005	76 (First Class with Distinction)	
	M.S	-	-		-	-	
	M.Phil	-	-		-	-	
	Ph.D	I&C	Anna University, Chennai		2010	NA	
	Others :	-	-		-	-	
9b	Area of Specialization	Artificial Intelligence, Network Security, Computer Modelling and Optimization					
10	Professional Societies Membership : ISTE, CSI, IEL,, IACSIT, IAENG						
11	Experience in other Institutions / Industry :						
	Name of the Organization	Designation	Period		Nature of work	Experience	
			From	To		Years	Mont h
	Raja Rajeswari Engg College, Chennai	Lecturer	18.07. 1998	31.09. 2000	Teaching	2	3
	E.V.P Engg College, Chennai	Lecturer	31.10. 2000	09.07. 2001	Teaching	-	9
	Total Experience (A)					3	0
12	Experience in our Institution:						
	Name of the Organization	Designation	Period		Nature of work	Experience	
			From	To		Years	Mont h
	Sri Sairam Engg College, Chennai	Professor and Head	01.06. 2012	Till date	Teaching and administration works	8	8
	Sri Sairam Engg College, Chennai	Professor	01.08. 2011	31.05. 2012	Teaching	-	9

	Sri Sairam Engg College, Chennai	Sr. Lecturer	01.08.2005	31.07.2011	Teaching	6	0
	Sri Sairam Engg College, Chennai	Lecturer	11.07.2001	31.07.2005	Teaching	4	0
	Total Experience (B)					19.6 Years	
	Total Experience (as on 01.12.2020) Grand Total (A+B)					22.6 Years	
13	Details of Ph.D Guided / Guiding :						
	<ul style="list-style-type: none"> • 10 Research scholars has completed Ph.D under my guidance (9- Anna University, 1 Sathyabama University) • 4 Research scholars are pursuing Ph.D in Anna University from January 2021. 						
14	Patents Details :						
	<p>1. Filled patent in 2019 titled An Artificial Intelligence Based Tool for Assisting Non-Technical People over Security ,Application No: 201941002943 filled on 24/01/2019.Received FER in January 2021.</p> <p>2. Filled patent in 2017 titled Solar Assisted Power Bunk, Application No: 201741024631 filled on 12/7/2017.</p> <p>3. Granted an INDIAN DESIGN PATENT titled Mobile Camping Ficture for Monitoring Patient Vitals, DESIGN NO:337199 - 001 on 10/02/2021 from Government of India.</p>						
15	International Conference (s) :						
	<p>1. Gangadharan.P, Jaimahaprabhu.A , Praveen Kumar.V and Dr.B.Latha, 2019 “Cloud Analytics Based Farming With Predictive Analytics Using Artificial Intelligence”, International Conference on Science, Technology, Engineering and Mathematics(ICONSTEM’19) 14/3/2019 to 15/3/2019, DOI: <u>10.1109/ICONSTEM.2019.8918785</u>, pp.65-68, Scopus indexed.</p> <p>2. Ashvin Srinivasan,Dr.B.Latha, 2019, “Intelligent Plug Load Management System;, International Conference on Intelligent Transportaion Engineeering(IEEE conference),National University of Singapore(NUS), Singapore, 3/9/2018 to 5/9/2018</p> <p>3. Rahavi,Divya and Dr.B.Latha, 2017,‘Solar Assisted Power Bunk’, Proceedings of</p>						

	<p>International Conference on Computational Science and Technology, 9/3/2017 & 10/3/2017, Dept of CSE, Sri Sairam Engineering , College, Chennai.</p> <p>4. Lekha and Dr.B.Latha, 2017, ‘Retinal Fundus Image Analysis for Detection of Glaucoma using Haar Wavelet Transform’, Proceedings of International Conference on Computational Science and Technology, 9/3/2017 & 10/3/2017, Dept of CSE, Sri Sairam Engineering , College, Chennai.</p> <p>5. Saravanan.P and Latha.B, 2017 ‘Performance Comparison for Various Digital Filters,Design and Implementation Methods’, Proceedings of International Conference on Computational Science and Technology, 9/3/2017 & 10/3/2017, Dept of CSE, Sri Sairam Engineering , College, Chennai.</p> <p>6. Sathya.S and Latha B, 2016, ‘Enhancing web exploration usability’, Proceedings of International Conference on Science and Innovative Engineering, Jawahar Engineering College, Chennai, 3rd April 2016, ISBN: 978-81-904760-8-9, pp. 35.</p> <p>7. Shruthi Meenakshi.S.H and Latha B, 2016, ‘Pragmatic approach for record proposal using root word abstraction and association’, Proceedings of International Conference on science and Innovative Engineering, Jawahar Engineering college chennai, 3rd April 2016, ISBN: 978-81-904760-8-9,pp.33 .</p> <p>8. Sathya.S and Latha B, 2016, ‘Intensifying The Features Of Web Exploration Usability’, Proceedings of International Conference On Recent Trends In Engineering And Technology , St.Joseph Institute Of Technology , 28th April 2016, pp. 09.</p> <p>9. Shruthi Meenakshi.S.H and Latha B, ‘Contemporary Method For Theme Detachment Based On Root Word Abstraction’, Proceedings of International Conference On Recent Trends In Engineering And Technology, St.Joseph Institute Of Technology , 28th April 2016, pp. 09.</p> <p>10. Prathiba D.A, Latha B and Sumathi G, 2015, ‘An integrated scheduling and resource allocation framework for workflow applications in Iaas clouds’, Proceedings of International Conference on Pattern Recognition and Multimedia signal Processing, Annamalai University, Chidambaram, 9th & 10th January 2015,pp. 60.</p> <p>11. Periasamy J.K and Latha B, 2015, ‘The Enhancement of Storage and Bandwidth Optimization using Data De-Duplication’, Proceedings of International Conference on Pattern Recognition and Multimedia signal Processing, Annamalai University, Chidambaram, 9th & 10th January 2015,pp. 86.</p>
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12. Lalitha R, **Latha B** and Sumathi G, 2015, 'Slicing The Use Case Diagrams To Deploy As Saas', International Journal of Applied Engineering Research' , Proceedings of International Conference on Pattern Recognition and Multimedia signal Processing, Annamalai University, Chidambaram, 9th & 10th January 2015, pp. 66.
13. Sekar, and **Latha B**, 2014, 'Intrusion Detection For MANETs using Navie bayes Classifier', Proceeding of International Conference on Advances in applied Engineering and Technology ICAAET 2014.
14. **B Latha**, 2014, 'Curriculum development and implementation in engineering and technology institutions: industry participation', under the theme of "TRANSFORMING TECHNICAL EDUCATION TO MEET THE NEEDS OF INDUSTRY" in the 44th Annual National Convention of ISTE organised at College of Engineering Trivandrum, Kerala from 27th -29th November 2014.
15. Palanikumar and, **Latha B**, 2014, 'Role of Industry in curriculum development: Key activities and success factors', Proceedings of the 2nd World Summit on Accreditation (WOSA 2014), National Board of Accreditation(NBA), New Delhi, India, March 08th to 10th .
16. Elang Kavin B and **B Latha**, 2014, 'Lossless data embedding in image encryption with efficient compression and enhanced security', Proceedings of International Conference on Electrical Communication and Computing ICECC 2014, Tagore Engineering College, Chennai, 13th -14th March, pp. 1588-1592.
17. C. Deepa, **B Latha**, 2014, 'HHCS: Hybrid Hierarchical Cluster Based Secure Routing Protocol for Wireless Sensor Networks', Proceedings of International Conference on Information communication and Embedded Systems ICICES 2014, SA Engineering College, Chennai, ISBN No.978-1-4799-3834-6/14, 27th & 28th Feb 2014, published in IEEE digital explore, pp. 1-6.
18. Elang Kavin B and **B Latha**, 2014, 'Reversible data hiding in encrypted images with efficient compression and enhanced security', Proceedings of International Conference on Information communication and Embedded Systems ICICES 2014, SA Engineering College, Chennai, ISBN No.978-1-4799-3834-6/14, 27th & 28th February, published in IEEE digital explore, pp.1-5.
19. Rekha K and **Latha B**, 2014, 'Mobile translation system from speech language to handmotion language', Proceedings of International Conference on Intelligent Computing

- Applications, Bharathiyar University, Coimbatore, India, pp. 411-415, ISBN 978-1-4799-3966-4/14, 7th March 2014, published in IEEE digital explore.
20. Vijin Stephhi M.L and **B.Latha**, 2014, 'Efficient method for secure transmission from malicious nodes through certificate authentication' in the proceedings of International Conference on Global Innovations In Computing Technology (ICGICT'14), to be published in International Journal of Innovative Research in Computer and Communication Engineering Vol.2, Special Issue 1, March 2014, Tirupur, 6th March.
 21. Prathiba D.A, **Latha B** and Sumathi G, 2013, 'Issues in adapting Cluster, Grid and Cloud Computing for HPC applications, Proceedings of International Conference on Mathematics & Information Technology (ICMIT 2013), World Academic Industry Research Collaboration Organization (WAIRCO), Chennai, India, 15th & 16th Mar 2013, pp.133-137.
 22. C. Deepa, **B Latha**, 2013, 'An analysis of security routing protocol for wireless sensor network', Proceedings of IEEE International Conference on Research and Development Prospects on Engineering and Technology, EGS Pillay Engineering College, Nagapattinam, India, ISBN No.978-1-4799-3834-6/14, 29th & 30th Mar 2013, published in IEEE digital explore, pp. 1-6.
 23. Lalitha R, **Latha B** and Sumathi G, 2013, 'A conceptual framework to analyse UML notations using saas: U code generation', Proceedings of IEEE International Conference on Advanced Research in Engineering and Technology, K L University, Andhra Pradesh, 8th & 9th Feb 2013.
 24. Saravanan.P and **Latha.B**, 2013 'Power reduction in FIR Filter using improved Arithmetic units', Proceedings of IEEE International Conference on Research and Development Prospects on Engineering and Technology, EGS Pillay Engineering College, Nagapattinam, India, Vol-3, pp: 64, ISBN:978-1-4673-4948-2.
 25. Rashmi R and **Latha.B**, 2013 'Video surveillance system and facility to access pc from remote areas using smart phone', Proceedings of IEEE International Conference on Information Communication & Embedded System, S.A. Engineering College, Chennai, 21st & 22nd February, ISBN:978-1-4673-5786-9, pp.491-495.
 26. M. Subashini and **Latha B**, 2013, 'Healthcare Management System Using Android', Proceedings of International Conference on Emerging Trends in Engineering and Technology (ICETET 2013), Coimbatore Institute of Information Technology,

Coimbatore 21st & 22nd February, ISBN 978-0-9888421-1-3 pp. 1-3.

27. M. Subashini and **Latha B**, 2013, 'Healthcare Management System Using Android', Proceedings of International Conference on Innovation in Communication, Information and Computing (ICICIC'13), Sasurie College of Engineering, Tirupur, Tamil Nadu, India, 9th - 11th January, pp. 638.
28. **Latha B** and Jayaraman R, 2012, 'Optimal spectrum sensing framework for cognitive radio network', Proceedings of International Conference on Computation of Power, Energy, Information and Communication, Coimbatore Institute of Information Technology, Coimbatore, India, pp. 1-4, ISBN 978-1-4675-2243-4.
29. Prathiba D.A, Ranjana R and **Latha B**, 2011, 'Moving the IT services of education institution to cloud environment issues and implications, Proceedings of International Conference on Competency building strategies in business technology for sustainable development, Sri Sairam Institute of Management Studies, Chennai, India, pp.85-93.
30. **Latha B** and Senthil Kumar V.S, 2009, 'Simulation optimization of process parameters in composite drilling process using multi-objective evolutionary algorithm' Proceedings of the 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, India, ISBN:978-0-7695-3845-7, pp.154-159.
31. Vimal Sam Singh R, **Latha B** and Senthil Kumar V.S, 2009, 'Modeling and Analysis of Thrust Force and Torque in Drilling of GFRP Composites by Multi-Facet Drill Using Fuzzy Logic', International Joint Journal Conference on Recent Trends in Engineering , Vol. 1, No. 5, pp. 66-70.
32. **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 2nd International and 23rd All India Manufacturing Technology, Design and Research Conference, Indian Institute of Technology Madras, Chennai, India, Vol. 2, pp. 867-872.
33. 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,India, pp. 70.
16	National Conference (s) : <ol style="list-style-type: none"> 1. Presented a paper on the title " Crop Recommendation and Weed Detection ", in the Second National Conference on Smart Innovations in Communications and Computing(NCSICC-2021)-SEC held on 24/03/2021. 2. Presented a paper on the title "Vehicle Fuel Efficiency Prediction Using Machine Learning ", in the Second National Conference on Smart Innovations in Communications and Computing(NCSICC-2021)-SEC held on 24/03/2021. 3. Presented a paper on the title " Web app for business Needs ", in the Second National Conference on Smart Innovations in Communications and Computing(NCSICC-2021)-SEC held on 24/03/2021. 4. Presented a paper on the title " A Machine Learning Based Emotion analysis Behavior Using Twitter ", in the Second National Conference on Smart Innovations in Communications and Computing (NCSICC-2021)-SEC held on 24/03/2021. 5. R.Nambueswari, Dr.B.Latha “Elbvm Scheme For Distributed Control Plane In Software-Defined Data Center Network”, National Conference on Smart Innovations in Communications and Computing (NCSICC’19)- 5 th March,2019. 6. Gangadharan.P, Jaimahaprabhu.A , Praveen Kumar.V,Dr.B.Latha “Cloud Analytics Based Farming With Predictive Analytics Using Artificial Intelligence”, National Conference on Smart Innovations in Communications and Computing (NCSICC’19)- 5 th March,2019. 7. Ashvin Srinivasan,Dr.B.Latha “Intelligent Plug Load Management System”, National Conference on Smart Innovations in Communications and Computing (NCSICC’19)- 5 th March,2019. 8. Prajith Raj S, Karthik NR, Veera Prathab B ,Dr.B.Latha ,“MEDSTAZA”, National Conference on Smart Innovations in Communications and Computing (NCSICC’19)- 5 th March,2019. 9. A.Jaimahaprabu,V.Praveen Kumar,P.S.Gangadharan,Dr.B.Latha, 2018, ” Green Cloud Farm (GCF)”, National Conference on Smart Innovations in Communications and Computing (NCSICC’18) – Organised by Dept of CSE, Sri SaiRam Engineering College,

Chennai on 27th March 2018.

10. Lekha and Dr.B.Latha, 2017, 'Detection of Glaucoma Using GLCM Feature Extraction and SVM Classifier', Proceedings of National Conference on Cutting edge Technologies in Computing & BioInformatics, 10th March 2017.
11. Lekha and Dr.B.Latha, 2017, 'Retinal Funds Image Analysis For Detection Of Glaucoma Using Haar Wavelet Transform and GLCM,', Proceedings of National conference on Recent Issuess in Network Galaxy-RING, 4th April 2017,ISBN - 978-81-933798-0-6.
12. Lekha and Dr.B.Latha, 2017, 'Detection Of Glaucoma Using GLCM Feature Extraction and SVM Classifier', Proceedings of National Conference on Recent Advances in mechanical Sciences, 28th & 29th April 2017,
13. Priyadharshini. K and **Latha B**, 2015, 'Performance Enhancement of MapReduce using In-Memory grid cache', Proceedings of National Conference on Electronics, Networking and Computing Technologies, Dhanalakshmi College of Engineering in association with IEEE, Chennai, India, 18th March, pp. 7-10.
14. Priyadharshini. K and **Latha B**, 2015, 'Enhancing Performance of MapReduce using distributed cache', Proceedings of National Conference on Emerging Trends and Intelligence Technologies, Anand Institute of Higher Technology, Chennai, India, 14th March, pp. 30.
15. Suganya. T.K and **Latha B**, 2015, 'Improved QOS based shared drive off protocol for combining MANET and wireless Infrastructure Network', Proceedings of National Conference on Emerging Trends and Intelligence Technologies, Anand Institute of Higher Technology, Chennai, India, 14th March, pp. 16.
16. Vijin Stephi M.L and **B.Latha**, 2014, 'Implementation of secure routing for MANETsS using certificate revocation' Proceedings of National Conference on Future Information Technology (NCFIT 2014), Nagercoil,28th February.
17. Rekha K and **Latha B**, 2014, 'Mobile translation using cloud computing', Proceedings of National Conference on Computational Intelligence and High Performance Computing, SRM University, Chennai, India, 12th -13th February, pp. 205-209.
18. Rashmi.R and B.Latha, 2013, 'Motion detection using smart phone', Proceeding of National Conference on Advanced Computing Technologies & Applications, Sri Muthukumaram Institute of Technology, Chennai, 8th March , 2013.
19. C Deepa and **Latha B**, 2012, 'A Survey on Routing Protocol Classification and secure

	<p>routing for Wireless Sensor Network’, Proceedings of ENACT 2012, Sathyabama University, Chennai, India, pp: 1-9, ISSN: 978 –81- 909042 - 3 - 0.</p> <p>20. Balamurali Krishnan S and Latha B, 2012, ‘Secure and Grid based node positioning using AOMDV for military application’, Proceedings of National Conference on Networking and Communication’, R.M.D Engineering College, Chennai, India, pp.69 -72.</p> <p>21. Balamurali Krishnan S and Latha B, 2012, ‘Secure and Grid based node positioning using AOMDV for military application’, Proceedings of National Conference on Information and Communication Engineering’, R.M.K Engineering College, Chennai, India, pp.86 -89.</p> <p>22. Latha B and Jayaraman R, 2012, ‘Optimal spectrum sensing framework for cognitive radio network’, Proceedings of National Conference on Recent Trends in Information Technology’, S.A Engineering College, Chennai, India, pp. 127-131.</p> <p>23. Saravanan P and Latha B, 2012, ‘Low power FIR filter design using computational sharing multiplier’, Proceedings of National Conference on Communication and Nano Electronics Technology’, Sri Sairam Institute of Technology, Chennai, India, pp. 22.</p> <p>24. Gokulakrishnan D and Latha B, 2012, ‘ A secure binding web service’, Proceedings of National Conference on Communication and Nano Electronics Technology’, Sri Sairam Institute of Technology, Chennai, India, pp. 23.</p> <p>25. Vinodh S, Srikanth S, Anbilamathi K and Latha B, 2011, ‘ Electronic wheel chair navigation by face movement’, Proceedings of National Conference on Information and Communication Engineering, Sri Sairam Institute of Technology, Chennai, India, pp. 111-115.</p> <p>26. Latha B, Senthilkumar V.S and Palanikumar K, 2007, ‘Modeling machining parameters for surface roughness using neural networks’, Proceedings of National Conference on Mathematics, Computing and Modeling, Gandhigram Rural University, India, pp. 169-177.</p> <p>27. Latha B, 2005, ‘Modeling of manufacturing process using Artificial Neural Network’, Proceedings of National Conference on Distributed Computing and Knowledge Engineering, Sri Sairam Engineering College, Chennai , India, pp.181-185.</p>
17	International Journal Publications (Indicate WOS /Scopus Indexed) :

1. J. K. Periasamy, **B. Latha**, 2020 ,“An enhanced secure content de-duplication identification and prevention (ESCDIP) algorithm in cloud environment”, Neural Computing and Applications, Received: 15 October 2018 / Accepted: 23 January 2019 Springer-Verlag London Ltd., part of Springer Nature 2019. <https://doi.org/10.1007/s00521-019-04060-9>. (WOS, SCI and Scopus), <https://link.springer.com/article/10.1007/s00521-019-04060-9>, Vol 32, pp. 485–494
2. Valarmathi, T.N., Palanikumar, K., Sekar, S., **Latha B**, 2020 , “.Investigation of the effect of process parameters on surface roughness in drilling of particleboard composite panels using adaptive neuro fuzzy inference system”, Materials and Manufacturing Processes, DOI: [10.1080/10426914.2020.1711931](https://doi.org/10.1080/10426914.2020.1711931), Vol.35, Issue,4,pp. 469-477, Received 25 Apr 2019, Accepted 02 Jan 2020, Published online: 10 Jan 2020, (WOS, SCI and Scopus).
3. Sekar S and **Latha B** , 2020, “Lightweight reliable and secure multicasting routing protocol based on cross-layer for MANET”, Concurrency Computation, Vol.32, Issue.4, DOI: [10.1002/cpe.5025](https://doi.org/10.1002/cpe.5025), 1st published 3/12/2018, (WOS, SCI and Scopus).
4. Eaben Rajkumar S, Palanikumar K, Pitchandi K and Latha B, 2020, “Subsurface integrity studies on the drilling of Al/B4C/mica hybrid metal matrix composites”, Materials and Manufacturing Processes, <https://doi.org/10.1080/10426914.2020.1711918>, published on 21/01/2020, Vol.35, Issue.1, pp.52-60, (WOS, SCI and Scopus).
5. Kalyan Chakaravarthy V, Rajmohan T, Vijayan D, Palanikumar K and Latha B, 2020, “Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites”, Materials and Manufacturing Processes, DOI: [10.1080/10426914.2020.1772484](https://doi.org/10.1080/10426914.2020.1772484), Published online: 11 Jun 2020, (WOS, SCI and Scopus).
6. R. Lalitha, **B. Latha** and G. Sumathi, ,2020, "Use case repository framework based on machine learning algorithm to analyze the software development estimation with intelligent information systems". International Journal of Wavelets, Multiresolution and Information Processing, Vol. 18, No. 1 (2020), 1941007 (17 pages) World Scientific Publishing Company DOI: [10.1142/S0219691319410078](https://doi.org/10.1142/S0219691319410078). Accepted in March 22, 2019 11:48 WSPC/S0219-6913 181-IJWMIP 1941007, (WOS, SCI and Scopus).
7. Soma Prathibha , **B. Latha** , G. Sumathi, 2019, "A novel data aware task clustering mechanism for scientific workflow applications in cloud", International Journal of Internet

	<p>Technology and Secured Transactions, Vol. 9, No. 3, 2019. pp.260–281..Annexre I, SCI and scopus indexed journal, published in 2019, (WOS, SCI and Scopus).</p> <p>8. Saravanan P, Latha B and Bhoopathy Bagan G, 2019, ‘Design and implementation of performance improved medical signal filters with and without multiplier’, Indian Journal of Public Health Research and Development , DOI: 10.5958/0976-5506.2019.01535.3, Vol. 10, No.7, pp. 49-55,Scopus.</p> <p>9. J. K. Periasamy,B. Latha, 2019, “Efficient hash function–based duplication detection algorithm for data Deduplication deduction and reduction”, Concurrency Computation Practise and Experience. 2019;e5213. wileyonlinelibrary.com/journal/cpe © 2019 John Wiley & Sons, Ltd. ,Received: 7 December 2018 Revised: 28 December 2018 Accepted: 6 February 2019 . https://doi.org/10.1002/cpe.5213,(WOS, SCI and Scopus).</p> <p>10. C. Deepa, B. Latha, 2017, “HHSRP: A cluster based hybrid hierarchical secure routing protocol for wireless sensor networks”,Cluster Computing, (Publisher: Springer, IF: 2.04, WoS). Published online in 29/7/2017, (https://link.springer.com/article/10.1007/s10586-017-1065-3). ISSN: 1386-7857. Impact factor 2.040, Vol.22, pp.10449-10465, (WOS and Scopus).</p> <p>11. R.Uma and B.Latha , 2019 , “Noise Elimination from web pages for efficacious information retrieval”, Cluster Computing The Journal of Networks, Software Tools and Applications ISSN 1386-7857 Cluster Comput DOI 10.1007/s10586-018-2366-x, Received: 6 February 2018 / Revised: 19 February 2018 / Accepted: 2 March 2018_ Springer Science+Business Media, LLC, part of Springer Nature 2018.published online:16th March 2018. SCOPUS INDEXED, DOI: 10.1007/s10586-018-2366-x, Impact factor 2.040. Vol.22.pp. 14583-14602,(WOS and Scopus).</p> <p>12. Uma R, Latha B and Valarmathi R, 2019, “ Query expansion for medical domain to augment the web search”, <i>International Journal of Engineering and Advanced Technology</i>, DOI: 10.35940/ijeat.A2958.109119, Vol.9, No.2,pp.5284-5287, Scopus.</p> <p>13. Ramakrishnan Ramanathan and B.Latha, 2019, ”Towards Optimal Resource Provisioning for Hadoop-MapReduce Jobs using Scale-out Strategy and its Performance Analysis in Private Cloud Environment”, Cluster Computing The Journal of Networks, Software Tools and Applications ISSN 1386-7857 Cluster Computing DOI 10.1007/s10586-018-2366-x, Received: 6 February 2018 / Revised: 19 February 2018 / Accepted: 2 March 2018_ Springer Science+Business Media, LLC, part of Springer Nature 2018.published</p>
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- online:16th March 2018. **SCOPUS INDEXED**, Impact factor 2.040, DOI: 10.1007/s10586-018-2234-8, **Vol.22**, pp.14061–14071 (**WOS and Scopus**).
14. R. Lalitha, **B.Latha**, G.Sumathi, 2019, "A Novel Approach To Facilitate Comparative Analysis Of Software Development Factors With Business Intelligence ". Caribbean Journal of Science, Volume 53, ISSUE 2 (MAY - AUG), 2019. ISSN: 0008-6452 **SCIP.No 2132-2146. (Scopus)**.
 15. Mudhukrishnan M, Hariharan P, Palanikumar K and Latha B, 2018, "Optimization and sensitivity analysis of drilling parameters for sustainable machining of carbon fiber–reinforced polypropylene composites", Journal of Thermoplastic Composite Materials, Vol.32, No.11,pp. 1485-1508, (**WOS and Scopus**).
 16. **S Samundeswari**, V Ramalingam, **B Latha** and S Palanivel," Prediction of systemic lupus erythematosus based on cutaneous manifestations using machine learning models", The Pharma Innovation Journal 2017; 6(10): 248-251 . ISSN (E): 2277- 7695 ISSN (P): 2349-8242 NAAS Rating 2017: 5.03 TPI 2017; 6(10): 408-411 © 2017 TPI www.thepharmajournal.com Received: 05-08-2017 Accepted: 06-09-2017. **UGC Approved Journal. UGC Journal No.: 46096. (Scopus)**
 17. **J.K. Periasamy ***, **Dr. B. Latha**," Secure and Duplication in Cloud using Cryptographic Hashing method", International Journal Of Engineering and Technology, 7(1.7) 2018 P.no-105-108. (**SCOPUS**)
 18. **C. Deepa**, B. Latha (June 2017), "EESRP: An energy efficient, QoS aware and secure routing protocol for wireless sensor networks", **CEPAL Review**, (IF:0.233, WoS and Scopus indexed, ISSN: 0251-2920), Vol. 123, pp. 2976-2989. (**Scopus**)
 19. Samundeswari, S., Ramalingam, V., **Latha, B.**,"Computer-aided diagnosis of systemic lupus erythematosus using immunological profile".**Indian Journals.com ,Medico-Legal Update** Print ISSN:0971-720X Online ISSN: 0974-1283, January-June 2018, Pages: 525-530, online Published on 27 February 2018.Volume :18,Issue :1. DOI: 10.5958/0974-1283.2018.00112.3. (**Scopus**).
 20. C.Deepa, **B. Latha** (2017), "A secure energy efficient routing method for wireless sensor networks", **Journal of Engineering and Applied Sciences (Scopus indexed)**, Accepted for publication. Paper id: 33433-JEAS. (**Scopus**)
 21. Saravanan P, **Latha B** and Bhoopathy Bagan G, 2017, 'An algorithm to improve the

	<p>performance of medical signal filter with implementation using arm processor’, BioMedical Research, ISSN: 0970 –938X, (Annexure-1), Vol. 28(6), pp. 2402-2406. (WOS and Scopus)</p> <p>22. Prathiba D.A, Latha B and Sumathi G, Oct 2017, ‘Optimization for workflow scheduling in cloud platform’, Journal of Internet Technology,(Annexure-1),Vol10(3), pp. 589-599. (WOS and Scopus)</p> <p>23. Prathiba D.A, Latha B and Sumathi G, Oct 2017, ‘Particle swarm optimization based workflow scheduling for medical applications in cloud’, BioMedical Research, Special Issue,(Annexure-1), 0970 –938X, (Annexure-1),Special issue,pp. 1-6. (WOS and Scopus)</p> <p>24. Uma.R and Latha. B, Dec 2016, ‘Sub-topic modeling-A hierarchy model for topic correlations’, International Journal of Control Theory and Applications (ISSN: 09745572), SCOPUS INDEXED JOURNAL (accepted for publication Dec2016). (Scopus)</p> <p>25. Prathiba D.A, Latha B and Sumathi G, Oct 2016, ‘An enhanced weighted-multi-objective PSO for workflow application scheduling in cloud platform’, Asian Journal of Research in Social Sciences and Humanities, Vol.6, No.10, ISSN: 2249 –7315, pp. 2143-2152,(Annexure-1). (WOS and Scopus)</p> <p>26. Periasamy J.K and Latha B, March 2016, ‘Cloud Storage augmentation with multi user repudiation and data de-duplication’, International Journal of Advanced Engineering Technology, Vol.7, No. 1, E-ISSN: 0976 –3945, pp. 797-803. (Scopus)</p> <p>27. Uma.R and Latha. B, Dec 2016, ‘Multi agent based information retrieval system for multo modal database’, International Journal of Printing Packaging and Allied Sciences, Vol.6, No.8, pp.2286 – 2299. (WOS and Scopus)</p> <p>28. D.Gokulakrishnan and Latha B, 2016, ‘Integrated-flow packet level model for improved medical web server scalability and web service’, International Journal of Medical Imaging and Health Informatics, American Scientific Publishers, Vol.6, ISSN: 0973 –4562, pp. 01-07,(Annexure-1). (WOS and Scopus)</p> <p>29. Srinivasan T, Palanikumar K, Rajagopal K and Latha B, Jan 2016 , ‘Optimization of delamination factor in drilling GFR-Polypropylene composites’, Materials and Manufacturing Processes –an International Journal (Journal Published by Taylor and Francis), Accepted for publication, ISSN: 1042 –6914(print)/1532-2475(online), doi:10.1080/10426914.2016.1121038, Vol.32, No.2, pp. 226-233. (WOS and Scopus)</p>
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30. Sathya.S and **Latha B**, ‘Enhancing web exploration usability’ May 2016, International Journal of Science and Innovative Engineering and Technology(IJSIET), ISBN: 978-81-904760-8-9, pp. 35. (**Scopus**)
31. Shruthi Meenakshi.S.H and **Latha B**, May 2016, ‘Pragmatic approach for record proposal using root word abstraction and association’, International Journal of Science and Innovative Engineering and Technology(IJSIET), ISBN: 978-81-904760-8-9,pp.33. (**Scopus**)
32. Palanikumar K, Srinivasan T, Rajagopal K and **Latha B**, 2016 ‘ Thrust force analysis in drilling glass fiber reinforced/polypropylene (GFR/PP) composites’, Materials and Manufacturing Processes –an International Journal (Journal Published by Taylor and Francis), Vol.31, No.5, pp.581 - 586, doi:10.1080/10426914.2014.1121038, ISSN:15322475, 10426914. (**WOS and Scopus**)
33. Gokulakrishnan D and **Latha B**, 2015, ‘A model based on petri net for reliability estimation of composite web service’, International Journal of Applied Engineering Research, Research India Publications, Vol.10, No. 4, ISSN: 0973 –4562, pp. 10941-10949,(Annexure-2). (**Scopus**)
34. Gokulakrishnan D and **Latha B**, 2015, ‘ Web service composition of extended petri- net workflow model for web service composition’, International Journal of Applied Engineering Research, Research India Publications, Vol.10, No. 75, ISSN: 0973 –4562, pp. 295-299,(Annexure-2). (**Scopus**)
35. Prathiba D.A, **Latha B** and Sumathi G, 2015, ‘Improving energy efficiency using DVFS in cloud computing for workflow applications’, International Journal of Applied Engineering Research, Vol.10, No. 75, ISSN: 0973 –4562, pp. 270-274,(Annexure-2). (**Scopus**)
36. Uma. R and **Latha B**, 2015, ‘Enhanced clustering of correlated probabilistic graphs’, International Journal of Applied Engineering Research, Vol.10, No. 75, ISSN: 0973 –4562, pp. 162-167,(Annexure-2). (**Scopus**)
37. Prathiba D.A, **Latha B** and Sumathi G, 2015, ‘An integrated scheduling and resource allocation framework for workflow applications in IaaS clouds’, International Journal of Applied Engineering Research, Vol.9, No. 20, ISSN: 0973 –4562, pp. 4528-4532,(Annexure-2). (**Scopus**)
38. Periasamy J.K and **Latha B**, 2015, ‘The Enhancement of Storage and Bandwidth

- Optimization using Data De-Duplication’, International Journal of Applied Engineering Research, Vol.9, No. 20, ISSN: 0973 –4562 (Annexure-2), pp. 4728-4732. (**Scopus**)
39. Saravanan P, **Latha B** and Bhoopathy Bagan G, 2015, ‘Comparative study of different multipliers for signal processing applications’, International Journal of Applied Engineering Research’, Vol.10, No. 75, pp. 12-16,(Annexure-2),.ISSN: 0973 –4562. (**Scopus**)
40. Lalitha R, **Latha B** and Sumathi G, 2015, ‘Slicing The Use Case Diagrams To Deploy As Saas’, International Journal of Applied Engineering Research, Vol.9, No. 20, ISSN: 0973 –4562 (Annexure-2), pp.4843-4847. (**Scopus**)
41. Lalitha R, **Latha B** and Sumathi G, 2015, ‘ Towards automating forward engineering in Saas environment ’, International Journal of Applied Engineering Research, Vol.10, No. 75, ISSN: 0973 –4562 (Annexure-2), pp. 136-142. (**Scopus**)
42. Sekar, and **Latha B**, 2014, ‘A Intrusion Detection using Efficient EAAck(EAAACK) in MANETs’, International Journal of Applied Engineering Research, Vol.10, No. 42, pp. 3019-30918,(Annexure-2),.ISSN: 0973 –4562 (Annexure-2). (**Scopus**)
43. Ramakrishnan Ramanathan and **B.Latha**, 2014, ‘Resource Optimization based on demand in Cloud Computing’, Journal of Applied Sciences, Engineering and Technology, Accepted for publication, ISSN:2040-7467 (Annexure-2). (**Scopus**)
44. Prathiba D.A, **Latha B** and Sumathi G, 2014, ‘Efficient scheduling of workflow in cloud environment using billing model aware task clustering’, International Journal of Theoretical and Applied Information Technology ,Vol.65, No. 3, ISSN: 1992 – 8645, pp. 595-605,(Annexure-2). (**Scopus**)
45. Saravanan P, **Latha B** and Bhoopathy Bagan G, 2014, ‘ An effective algorithm of low power implementation of digital filter with improved multiplier and sigma-delta ADC’, International Journal of Applied Engineering Research’, Vol.9, No. 24, pp. 30771-30780, ISSN: 0973 –4562 (Annexure-2). (**Scopus**)
46. Prathiba D.A, **Latha B** and Sumathi G, 2014, ‘Issues in adapting cluster, grid and cloud computing for HPC applications’, International Journal of Conceptions on Computing and Information Technology Vol.2, No. 1, ISSN: 2345 – 9808, pp. 12-16. (**Scopus**).
47. Periasamy J.K and **Latha B**, 2014, ‘Zombie avoidance using attack analyser in cloud environment’, International Journal of

	<p>Engineering Research and Technology, Vol. 3, No.4, ISSN:2278-0181. (Scopus)</p> <p>48. Vijin Stephi and B.Latha, 2014, 'Implementation of secure routing for MANETs using certificate revocation' in the International Journal of Innovations & Advancement in Computer Science, ISSN 2347 – 8616, Vol.2,No. 2,February, 2014. (Scopus)</p> <p>49. K Palanikumar, T Rajasekaran, B Latha, 2014, Fuzzy rule-based modeling of machining parameters for surface roughness in turning carbon particle-reinforced polyamide, Journal of Thermoplastic Composite Materials, 0892705713513282. (WOS and Scopus)</p> <p>50. Prathiba D.A, Latha B and Sumathi G, 2013, 'Issues in adapting Cluster, Grid and Cloud Computing for HPC applications, International Journal of Conceptions on Computing and Information Technology), World Academic Industry Research Collaboration Organization (WAIRCO), Chennai, India, ISSN: 2345 – 9808,Vol.2, No.1,pp.133-137. (Scopus)</p> <p>51. Valarmathi T.N, Palanikumar K and Latha B, 2013, 'Measurement and Analysis of Thrust force in Drilling of Particle Board (PB) Composite Panels Measurement', International Journal of Measurement, Elsevier, Vol. 46, pp. 1220-1230. (WOS and Scopus)</p> <p>52. Reshmi R, B.Latha, Ponmaniraj S and Thamarai selvi B, 2013, 'Video surveillance system and facility to access PC from remote areas using smart phone', CiiT International Journal, doi:AIML012013002.</p> <p>53. Palanikumar K, Latha B, Senthil Kumar V.S and Paulo Davim J, 2012 (Feb), 'Analysis on drilling of GFRP composites using grey relational analysis', Materials and Manufacturing Processes –an International Journal (Journal Published by Taylor and Francis), Vol. 27, pp. 297-305. (WOS and Scopus)</p> <p>54. Latha B, Palanikumar K and Senthil Kumar V.S, 2011 (March), 'Influence of drill geometry on thrust force in drilling of GFRP composites', Journal of Reinforced Plastics and Composites, Vol. 30, No.6, pp. 463-472, Impact Factor: 0.902. (WOS and Scopus)</p> <p>55. Latha B, Senthil Kumar V.S and Palanikumar K, 2011 (April), 'Modeling and optimization of process parameters for delamination in drilling glass fiber reinforced plastic (GFRP) Composites', Machining Science and Technology –an International Journal (Journal Published by Taylor and Francis), Vol. 15, pp. 172-191. (WOS and Scopus)</p>
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56. **Latha B** and Senthil Kumar V.S, 2010 ‘Modeling and analysis of surface roughness parameters in drilling GFRP composites using fuzzy logic’, - Materials and Manufacturing Processes - an International Journal (Journal Published by Taylor and Francis), Vol. 25, pp. 817-827. **(WOS and Scopus)**
57. **Latha B** and Senthil Kumar V.S, 2010, ‘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, pp. 314-330. **(WOS and Scopus)**
58. **Latha B** and Senthil Kumar V.S, 2010, ‘Two-objective simulation optimization of process parameters in composite drilling process using evolutionary algorithm’, - International Journal of Engineering Simulation (ISSN: 1468-1137), Published by Inderscience Publishers, U.K, Vol. 10, No.3, **Available On line. (WOS and Scopus)**
59. **Latha B** and Senthil Kumar V.S, 2009, ‘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, pp. 509-516. **(WOS and Scopus)**
60. **Latha B** and Senthil Kumar V.S, 2009, ‘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, pp. 951-964. **(WOS and Scopus)**
61. Vimal Sam Singh R, **Latha B** and Senthil Kumar V.S, 2009, ‘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, pp. 66-70. **(Scopus)**
62. 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. **(WOS and Scopus)**
63. Palanikumar K, Karunamoorthy L, Karthikeyan R and **Latha B**, 2006, ‘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

	<p>Journal, Vol. 12, No. 6, pp. 483-491. (WOS and Scopus)</p> <p>64. Palanikumar K, Latha B , and Paulo Davim J, 2012, ‘Application of Taguchi Method with Grey Fuzzy Logic for the Optimization of Machining Parameters in Machining Composites’, Chapter 9 in Computational Methods for Optimizing Manufacturing Technology: Models and Techniques, Wood Head Publishing Limited, Cambridge, UK, pp.219-241, DOI: 10.4018/978-1-4666-0128-4.ch009. (WOS and Scopus)</p>
18	<p>National Publications (Indicate WOS /Scopus Indexed) :</p> <ol style="list-style-type: none"> 1. C Deepa and Latha B, 2012, ‘Design and implementation of Encryption Mechanism using Hybrid Cryptography Architecture for Networks’, SSEC Tech Journal, ISSN 0975-2846, Volume 10, pp. 09-17. 2. R.Uma, R.Valarmathi and Latha B, 2011, ‘Content extraction after eliminating noisy information in web pages with web crawler’, SSEC Tech Journal, ISSN: 0975-2846, Vol.9, pp.100-113. 3. Latha B, 2005, ‘Modeling of manufacturing process using Artificial Neural Network’, SSEC Tech Review, Vol.4, pp.1-8. 4. Jeyapoovan T and Latha B, 2006, ‘Computer Programming – Theory and Practice’, Vikas Publishing House Private Limited, New Delhi, India, ISBN: 9788125921585.
19	<p>Programs Organized :</p> <ol style="list-style-type: none"> 1. Coordinated AICTE Sponsored ATAL FDP on IOT from 30/11/2020 to 04/12/2020 (5 days) 2. Kaizen Robotics Workshop- 6 days Intensive Training on ROBOTICS from 06.09.2019 – 12.09.2019 3. Seminar on “Higher Studies In Abroad” on 10.09.2019 4. BYJU's Seminar on Technical Profile Building & Psychometric test on 04.09.2019 5. International Seminar on Industry 4.0 on 23.08.2019 6. .Two Days Hands-on Training on “Grid and Cloud Infrastructure Setup” from 19.08.2019 & 20.08.2019 7. Red Hat Day & Guest Lecture on 09.08.2019 8. Awareness Session on ”How to get started with Robotics, IoT & ML” on 19.07.2019(AN) 9. Seminar on ‘:AR & VR Technology Future Interactive Mediiium” on 19.07.2019(FN) 9. Signing of Memorandum of Understanding & Seminar on DevOps-The new IT work culture in an Organization on 05.07.2019

10. FDP on “Next Gen TechStack” on 8.4.19 – 12.4.19
11. Main Project Exhibition on 13.3.19
12. National Conference on Smart Innovations in Communications and Computing on 05.03.19
13. Mini Project Exhibition on 27.2.19 Seminar on “Interviewing: The art of having a great start to your interviews” on 11.2.19 (AN)
14. Workshop on “Modern payment trends” on 11.02.2019
15. Seminar on Atomic Research challenges and opportunities on 22.01.2019
16. Department of CSE & IT in association with National Cyber Safety and Security Standards - Inaugural function of NCDRC followed by Seminar on Cyber Security on 11.01.19
17. IEDC Sponsored “Entrepreneurship Awareness Camp” from 09.01.19 to 11.01.19
18. Department of IT & CSE in association with IT-ITeS Sector Skills Council NASSCOM – “Seminar on Future Skill Development” on 09.01.19
19. Seminar on “Latest trends in IT” on 08.01.19
20. Hands on Training on CCNA- Advanced Routing and Switching Techniques on 07.01.19
21. Red Hat Day on 04.10.18
22. One day Workshop on Red Hat (open source) Technology & Industry adaptation on 03.10.2018
23. Seminar on “Life Emergency Response” on 20.09.2018
24. 18th National level Technical Symposium” sai comfest – CRYPTON 2k18 on 03.08.18
25. Seminar on “Profile Building Analysis” on 24.07.2018
26. Alumni cum Entrepreneur Interaction Program on “Goal Setting” on 13.07.2018
27. Association Inauguration and Seminar on ” Industrial IOT & Automation” on 13.07.2018
28. National Conference on Smart Innovations in Computing and Communication (NCSICC '18) on 27.03.18
29. Project Exhibition- ProjectXpo’18 on 22.03.18

30. Mini Project Exhibition-Projectxpo'18 on 20.03.18
31. 1 day Technical Workshop on C Programming Language on 08.03.18
32. IEDC Sponsored "Entrepreneurship Awareness Camp" from 19.02.18 to 21.2.18
33. Inaugural Ceremony of Center of Excellence in RED HAT LINUX in association with ADVANTAGE PRO, IT Training Division of Vectra Techno soft Pvt, Ltd on 09.02.18
34. Trailhead Student Championship 2018- Largest Learnathon(24 hours) of India in association with ICTACT from 02.02.2018 & 03.02.2018
35. "Seminar on Cyber Security and Challenges" on 08.01.2018
36. "One Day Tech Workshop on Red Hat (open source) Technology & Industry adaptation" on 05.12.2017
37. Two day workshop on REDHAT Technology & Industry adaptation from 19.12.2017 & 20.12.2017
38. "One Day Tech Workshop on Red Hat (open source) Technology & Industry adaptation" on 05.12.2017
39. Seminar on Data Science and Big Data Analytics on 27.09.2017
40. FDP on "Data Science and Big Data Analytics" from 11.09.2017-15.09.17
41. Hands On Training on CCNA-Advanced Routing and Switching Techniques on 07.09.2017
42. "17th National level Technical Symposium" sai comfest – XENIX 2k17 on 16.08.17
seminar on "Emerging Trends in Machine Learning" on 14.07.17
43. Association Inauguration and Seminar on " LATEST TRENDS OF IT-AGILE, DEVOPS / ITSM, CLOUD AND SECURITY (ETHICAL HACKING)" on 07.07.2017
44. Seminar on "Latest trends of IT-Agile, Devops / ITSM, cloud and security (Ethical Hacking)" on 07.07.2017
45. Seminar on "Big Data Analytics" on 03.03.2017
46. Workshop on "Android Technologies " on 07.02.2017
47. Seminar on "Human Values for Engineers" on 10.01.2017
48. Seminar on "Java/ J2EE related Technology and Frameworks " on 05.01.2017

	<p>49. Inauguration of “Oracle Academy & Code Club” on 19.08.2016</p> <p>50. One day workshop on “Skill development in C Programming” on 12.08.2016</p> <p>51. Faculty Development Program on “Grid and Cloud Computing” from 08.08.16 & 09.08.16</p> <p>52. “16th National level Technical Symposium” sai comfest – kanotix 2k16 on 04.08.2016</p> <p>53. Association Inauguration & seminar on “ Internet of Things” on 12.07.2016</p> <p>54. Seminar on “Computer networks” on 26.02.2016</p> <p>55. 4 Day workshop on “Mobile Application Development Lab” from 17.2.2016 – 20.2.2016</p> <p>56. Seminar on “Introduction To Rest API And Application Development Using Angular” on 02.09.2015</p> <p>57. Association Inauguration & seminar on Introduction to “R Programming” on 25.06.2015</p> <p>58. Seminar on “Recent Trends in Cloud Computing and Virtualization” on 14.03.2015</p> <p>59. Seminar on “Introduction to Cloud Computing and Virtualization” on 24.09.2014</p> <p>60. Association Inauguration & seminar on Research area for the students on 02.07.2014</p> <p>61. Workshop on “C++ Program Development Skills on 02.07.2014</p>
20	<p>Programs Attended:</p> <ul style="list-style-type: none"> • Attended a National Webinar on “Designing AI for the IoT Systems” on 18th Feb 2021 conducted by NITTTR, Chennai • Attended an Orientation Webinar on NBA accreditation for all Margdarshaks & MI’s on 17/02/2021 organized by AICTE in collaboration with NBA • Attended a FDP on Six Sigma for industrial projects by MHRD Institution innovation council on 01-02-2021 conducted by Sri Sairam Engineering College, Chennai • Attended AICTE Marghadarshan NBA workshop from 02/12/2020 to 08/12/2020(6 days) • Acted as a Interview Board member for CSE AND IT Interview of SEC and SIT on 09/12/2020 & 10/12/2020 • Attended 10th AICTE CII Education Summit on 10/12/2020 & 11/12/2020

- Attended a Webinar on Identifying Intellectual Property Components at the Early Stage of Innovation on 17/12/2020, IPR Cell and SEC IIC, Sri Sairam Engineering College
- Attended 35th Indian Engineering Congress Organised by IEI(Institution of Engineers - India) from 18/12/2020 to 20/12/2020.
- Submitted a paper for UGC Journal, " OUTERVIEW - A Technical Recruitment Process ", Prajith Raj S, Sandeep Vignesh S, Dr.B.Latha, Dinesh Chandran
- Attended a Webinar on Assessment and Accreditation Process of NAAC on 30/1/2020 and 31/12/2020,SEC.
- Webinar on AICTE Lilavati Award 2020 between 12 Noon to 1 PM on 07/12/2020
- GTF 2020 CONFERENCE, ICTACT
- AICTE SPONSORED 6 DATS STTP on BUILDING INTELLIGENT APPLICATIONS WITH DEEP LERARNING USING PYTORCH from 05/10/2020 to 10/10/2020, Rajalakshmi Institute of Technology, Chennai.
- Dr. B. Latha attended ICTACT Bridge'20 Workshop on 20.2.20 at IITM Research Park, Chennai
- Attended Indian Engineering Congrees organized by IEI from 27/12/2019 to 29/12/2019 at Hyderabad.
- Workshop on Intellectual Property Rights & Innovations Centre for Intellectual Property Rights (CIPR) Anna university. Dept of Research & Development on 20/07/2019.
- Dr. B. Latha attended ICTACT Bridge'19 Conference on 31.1.19 at Hotel Le Royal Meridien.
- Dr. B. Latha attended WOSA 2018(World Summit on Accreditation) held on 8.9.18 & 9.9.18 at New Delhi
- 2 days FDP on Nextgen Teaching Methodology at Sri Sairam Engineering College between 20/1/18 and 21/1/18.
- Internal Auditor.ISO 9001:2015 Quality Management System and Audit Training , Sri Sairam engineering College on 08/06/2018.
- FDTP on GE8151-Problem Solving & Python Programming from 11/06/2018 – 18/06/2018,Sri Sairam engineering College.
- Tech Workshop on Redhat (open source) Technology and industry Adaptation on 5/12/2017.

- FDP on Data Science and Big Data Analytics Conducted by ICT ACADEMY at Sri Sairam Engineering College from 11/09/2017 –15/09/2017.
- Attended AWS(Amazon Web services) EDUCATE conference Conducted by ICT ACADEMY on 13/7/2017.
- FDTP ON CS6703-Grid and cloud computing conducted by Sri sairam Institute of Technology from 8/6/2017-16/6/2017.
- FDP on Entrepreneurship Development conducted by Sri Sairam Institute of Technology from 15/12/2016-28/12/2016.
- FDP on Grid and Cloud Computing conducted by Sri Sairam Engineering College from 08/08/2016-09/08/2016.
- FDP on Industry Institute Interaction at TCS Hyderabad on 16/06/2016.
- Head Start meet at Tata Consultancy Services, Siruseri, Chennai on 09/03/2016.
- Head Start meet at Tata Consultancy Services, Siruseri, Chennai on 17/12/2014.
- FDP on **Cloud Computing and Big Data** conducted by Department of Computer Science and Engineering, Sri Sairam Engineering College, Chennai from 08/12/14 to 09/12/14.
- FDP on Software Testing at Tata Consultancy Services, Siruseri, Chennai on 14/11/2014.
- AICTE sponsored Faculty Development Programme on **Soft Computing with Artificial Intelligence** conducted by Department of Computer Science and Engineering, Sri Sairam Institute of Technology from 15/09/2011 to 27/09/2011.
- SDP (AICTE sponsored) on **Mobile Networks** conducted by Department of Information Technology, Sri Sairam Engineering College, Chennai from 19/01/09 to 30/01/09.
- 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.
- 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 **Software Quality and Reliability** conducted by Center for Faculty Development, Anna University held on 25/11/05.
- FDP on **Total Quality Management** conducted by B.S.A. Crescent Engineering College, Chennai from 29/11/04 to 04/11/04.
- AICTE sponsored seminar on Cloud Computing and Mining held on 27/09/2013 &

27/09/2013 Sri Sairam Engineering College, Department of Computer Application, Chennai.

- One Day Training Programme on OPNET SIMULATOR held on 21/03/2012 at Sri Sairam Engineering College, Department of Information Technology, Chennai.
- Short Term Training Program (STTP) on **Middleware Technologies** held on 05/04/06 to 06/04/06 conducted by Sri Sairam Engineering College, Chennai-44.
- **Technical Enhancement Training Programme on Linux Administration** held on 03/06/03 to 10/06/03 conducted by Sri Sairam Engineering College, Chennai-44.
- Attended National Workshop on National Skill Qualification Framework (NSQF) funded by AICTE on 28/11/14 organized at College of Engineering Trivandrum as part of the 44th Annual National Convention of ISTE from 27th -29th November 2014.
- Attended one day Accreditation Awareness Programme conducted by the National Board of Accreditation on 27/11/14.
- Attended two days Industry Institution Interaction Event on **Environment Management in Industrial Sectors and Needs** Conducted by, Department of Mechanical Engineering, Sri Sai Ram Engineering College during 24/07/14 and 25/07/14.
- AICTE sponsored seminar on **Cloud Computing and Mining**, Conducted by, Department of MCA, Sri Sai Ram Engineering College during 26/09/13 and 27/09/13.
- Attended two days National Workshop on **High impact teaching skills (MISSION 10X)** conducted by WIPRO in Sri Sairam Engineering College held on 02/11/09 and 03/11/09.
- Attended one day National Workshop on **SPSS and Research Article Preparation** held on 24/04/09 conducted by Sri Sairam Engineering College, Chennai-44.
- 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 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 workshop on **Networks and Security** held on 22/09/06 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.

	<ul style="list-style-type: none"> • Attended two days 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 Current Trends in Network Security held on 17/07/04 conducted by Sri Sairam Engineering College, Chennai-44.
21	<p>Funds Received from AICTE,/ UGC / DST/ TNSCST, etc:</p> <p>Funds Received :</p> <ol style="list-style-type: none"> 1. Dr. B. Latha received Rs. 4,83,000 fund from AICTE to conduct 2 weeks AICTE sponsored FDP on Data Science and Exploratory Data Analysis with R and Python in 9th March 2019. 2. A Project titled 'Upgradation of Computer Networks Lab by establishing Advanced Virtual Software' has been sponsored by All India Council for Technical Education (AICTE) under MODROB SCHEME with an amount of Rs 11.5 lakhs during the academic year 2013-2014. 3. A Project titled 'Solar Assisted Power bunk' has been sponsored by Department of Science and Technology (DST) under Innovative and Entrepreneurship development center with an amount of Rs 1 lakh during the academic year 2015-2016. 4. A Project titled 'Voice and Text generator for physically challenged (SIGNTRON)' has been sponsored by Tamilnadu State Council for Science and Technology (TNSCST) with an amount of Rs 7,500 during the academic year 2013-2014. 5. A Project titled 'Mobile phone for physically challenged with smart interaction' has been sponsored by Department of Science and Technology (DST) under Innovative and Entrepreneurship development center with an amount of Rs 1 lakh during the academic year 2012-2013. <p>Proposal submitted :</p> <ol style="list-style-type: none"> 1. Submitted a proposal on 30/03/2021 for 10th CSI - InApp International Student Project Awards 2021 for the project " Vehicle Fuel Efficiency Prediction Using Machine Learning to CSI Trivendram Chapter, Kerala. 2. Submitted a Project Proposal on Crop Recommendation and Weed Detection to CISCO AGRI CHALLENGE(Thrust area- Agri Bio) on 15/02/2021. 3. Submitted a proposal to AICTE MODROB in January 2021

	<ol style="list-style-type: none"> 4. Submitted a project proposal to AICTE RPS (Research Promotion Scheme - General) on 19/12/2020 titled Intelligent Cloud Analytics Based(I - CAB) Farming 5. Submitted a proposal for the topic Virtual Reality and Machine learning based solution for Smart Recruitment Process to AICTE RPS in 2019. 6. Submitted proposal for approving fund to conduct International Conference On Computational Science and Technology. AICTE 7. Submitted proposal for the topic Cloud Analytics Based(CAB) Farming to AICTE RPS in 2017. 8. Submitted proposal for CSI- IT excellence Award 2020 to CSI. 9. Submitted proposal for ISTE PERIYAR BEST TEACHER AWARD- 2019 10. Submitted proposal for TECHNEXT 2019 for Best Faculty of the year 2019 to CSI Mumbai Chapter. 11. Project titled “MEDSTAZA” guided by Dr. B. Latha has been shortlisted for MSME 2018-2019. 12. A lab proposal titled Computer Network Lab has been submitted to AICTE under MODROB scheme. 13. A seminar proposal titled Open Source Software Technology has been submitted to AICTE under seminar grant scheme. 14. A project proposal on ‘Image processing and application of artificial intelligence in modern manufacturing’ under Fast track Scheme for Young Scientists has been submitted to Department of Science and Technology. 15. A project proposal on ‘An automated robot for effective locomotion and effective patient monitoring using embedded systems’ under Nationally Co-ordinated Project (NCP) has been submitted to AICTE. 16. A project proposal on ‘An automatic call detection and notification system’ under Research Promotion scheme (RPS) has been submitted to AICTE.
	Contribution to the Department :

	<ul style="list-style-type: none"> • Acting as a Head of the Department since August 2012. • Coordinating all academic and administrative activities in the department • Acted as a Co-ordinator for ISO, Counseling, Result analysis and Mini project, PG Coordinator, class coordinator. • Acted as an Internal ISO Auditor • Acted as Stock verification committee member • Acting as a Mentor • Accompanied students with Industrial Visit • Involved in the preparation of LAB user manuals, question bank
23	<p>Contribution to the College :</p> <ul style="list-style-type: none"> • Coordinating college related events • Nominated as a Coordinator for SEC TECH JOURNAL 2019 • Interview panel member • Team lead of Code club • Panel Member in women grievance cell • Panel Member for IEDC projects • Panel Member for SIH projects • Appointed as a Reviewer for SEC Tech Journal.
24	<p>Any other relevant information:</p> <ul style="list-style-type: none"> • Accepted as a Book Editor for the BOOK titled " , Bio-fibre reinforced composites: Mechanical, thermal and tribological properties and Industrial applications ", Composite Science and Technology, SPRINGER NATURE Singapore Pte Ltd. • Elected as a MANAGING COMMITTEE MEMBER for 2021 - 2022 in Computer Society of India Kanchipuram Chapter in 2021 Elections in March 2021. • Acted as a RESOURCE PERSON(Session Chair) On 24/06/2020 for the 1st International E-Conference on Research Essential in Machine Learning and Computational Intelligence conducted by SRM Institute of Science and Technology, Ramapuram Campus , Chennai. • Acted as a RESOURCE PERSON in the Two Week Online Refresher Course/ FDP on Recent Trends in Information, Computing, Communication and Teaching Methodology Competency organized by the Department of CSE, ECE and IT of SRI SAIRAM ENGINEERING COLLEGE from 04/05/2020 to 17/05/2020. • Nominated as Anna University Member of Syllabus Sub Committee for framing the Curricula and Syllabi for B.Tech. and M.Tech Courses for R2017 in 13/02/2020.

- Acted as a **RESOURCE PERSON/PANEL MEMBER** in National Level Technical Fest (XTROFEST) organized by the Department of IT, SRI SAIRAM ENGINEERING COLLEGE on 21/08/2019.
- Acted as a **RESOURCE PERSON** in the AICTE sponsored FDP on Data Science and Exploratory Data Analysis with R and Python organized by the Department of CSE of SRI SAIRAM ENGINEERING COLLEGE on 26/06/2019.
- Resource Person for five days FDP on Artificial Intelligence from 5.12.2019 to 11.12.2019 sponsored by ISTE, conducted by Department of EEE, SEC.
- Received Best Teacher Award 2019 from Madras Library Association (MALA), Chennai on 12/08/2019.
- Received **Women Researcher Award-IOSRD Legend Awards 2018** , 87th International Research Awards On Engineering , Science and Management, IOSRD on 28/09/2018 to 29/09/2018.
- Received **Outstanding Reviewer Award** in recognition of the valuation contribution made to the quality of **Materials and Manufacturing Processes (Taylor & Francis Group)** for the years **2014 and 2015 & 2016**.
- Acted as a **Resource Person** in the AICTE sponsored **two weeks Faculty Development Programme on ‘Processing and Characterization of Composite Materials including Natural Fiber Re-inforced Composites’**, organized by Department of Mechanical Engineering, Sri Sairam Institute of Technology during 18th to 31st March 2015.
- Acted as a **Resource Person** and presented a topic on **Fuzzy Logic and Neural Network** in a AICTE sponsored Faculty Development Programme on **Soft Computing with Artificial Intelligence** conducted by Department of Computer Science and Engineering, Sri Sairam Institute of Technology from 15/09/2011 to 27/09/2011.
- Recognized supervisor for Anna University, Guideship Registration No: **19.499.04/1940170** and Anna University of Technology Chennai, Guideship Registration No: **AUTC/Ph.D./2011(N)/ICE/CSE008**.
- Acting as a **Reviewer** for an International Journal of Materials and Manufacturing Processes (Journal Published by Taylor and Francis).
- Acting as a Reviewer in International Journal - Journal of engineering Science and Technology (JESTEC ,Scopus Indexed Journal).
- Acting as a Reviewer for IEEE Access , an International Journal, (Scopus Indexed

Journal).

- Appointed as a Reviewer in Reliable Intelligent Environments. International Journal Reviewer :: 2019 - 2020 Springer Journal .08/07/2019.
- Advisory committee member for many International conferences.
- Recognized supervisor for Sathyabama University, Chennai, Guideship Reference No:11062.
- Ph.D Doctoral committee member in Anna University, Sathyabama University, Vels University and Bharath University.
- Member in IEEE student project evaluation, IEEE Madras Section.
- **Resource person for WIPRO Technologies.**
- Published more number of papers in refereed **International Journals**
- Acted as a Session chair for 3rd International Conference on Computing and Communication Technologies (ICCCT'19) organised by IT Department, SSEC on 21.2.19 & 22.2.19
- Presented papers in various **National and International Conferences.**
- Acted as a **Chair Person** in a NCSTC, Department of Science and Technology, Government of India, New Delhi sponsored 12th Regional Workshop on **Science Writing/Journalism** conducted by Sri Sairam Engineering College, Chennai from 13/12/2012 to 17/02/2012.
- Secured **100% results** in Anna university examinations many times.
- Received **Best Teacher Award** from Lions Club.
- Guiding many **Ph.D scholars** and PG projects.
- Guided many B.E and B.Tech projects.
- Acted as a **Co-ordinator for ISO**, Counseling, Result analysis and Mini project.
- Acted as a panel member for faculty recruitment conducted by Sri Sairam Engineering College
- Attended many Workshops and Conferences.
- Acted as a Chair person in a National level technical symposium conducted by Department of Computer Science and Engineering, Sri Sairam Engineering College.
- Involved in the preparation of LAB user manuals for every semester at Sri Sai Ram Engineering College, Chennai.

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| | <ul style="list-style-type: none">• Received Cash award for 100% result produced in Anna University Examinations in the following subjects:<ul style="list-style-type: none">• Computer Architecture and Parallel Processing• Computer Networks• Network Protocols, Management and Security (2 times)• Software Testing• Cryptography and Network Security (2 times)• Network Security• MISSION 10X certified person conducted by WIPRO TECHNOLOGIES• Many of my research papers are present in GOOGLE SCHOLAR and DBLP and are cited by many research scholars. |
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