

Dr. Loganathan R. PhD.

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Akshaya Nagar, Ramamurthy Nagar,
Bangalore-560016.

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Objective	<ul style="list-style-type: none">I intend to pursue a long-term career in a professionally organized institution to learn and grow with the institution by contributing the best from my side. Evaluated as being the most sought of self – starter and dedicated. My research area medical image compression, Data Mining, Computer Networking and Machine Learning.																																																	
Education	<table border="1"><thead><tr><th>Sl#</th><th>Degree</th><th>University</th><th>Stream</th><th>Year</th><th>Division</th><th>Percentage</th></tr></thead><tbody><tr><td>1</td><td>Ph.D</td><td>Sathyabama University</td><td>Computer Science and Engineering</td><td>2014</td><td>First</td><td>60</td></tr><tr><td>2</td><td>PGD</td><td>Annamalai University</td><td>Data Mining</td><td>2012</td><td>First</td><td>73</td></tr><tr><td>3</td><td>Post Graduate</td><td>Visvesvaraya Technological University</td><td>Computer Science and Engineering</td><td>2004</td><td>FCD</td><td>74</td></tr><tr><td>4</td><td>Graduate</td><td>Bharathiar University</td><td>Computer Science and Engineering</td><td>1994</td><td>First</td><td>60</td></tr><tr><td>5</td><td>HSCS</td><td>BHSE</td><td>--</td><td>1990</td><td>First</td><td>80</td></tr><tr><td>6</td><td>SSLC</td><td>BSE</td><td>--</td><td>1988</td><td>First</td><td>62</td></tr></tbody></table>	Sl#	Degree	University	Stream	Year	Division	Percentage	1	Ph.D	Sathyabama University	Computer Science and Engineering	2014	First	60	2	PGD	Annamalai University	Data Mining	2012	First	73	3	Post Graduate	Visvesvaraya Technological University	Computer Science and Engineering	2004	FCD	74	4	Graduate	Bharathiar University	Computer Science and Engineering	1994	First	60	5	HSCS	BHSE	--	1990	First	80	6	SSLC	BSE	--	1988	First	62
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Experience	<ul style="list-style-type: none">Total of 24+ YearsWorking as Professor and HOD in the Department of Computer Science and Engineering, HKBK College of Engineering, Bangalore, since Mar 2008Worked as Professor and HOD in the Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bangalore from Jul 2007 to Mar 2008Worked as AP in the Department of Computer Science and Engineering, HKBK College of Engineering, Bangalore from Dec 1999 to Jul 2007Worked as Lecturer in MVJ College of Engineering, Bangalore from Nov 1996 to Nov 1999Worked as Associate Lecturer in Tamil Nadu College of Engineering, Coimbatore from July 1995 to Nov 1996																																																	
Patent	<ul style="list-style-type: none">Patent Publication, Principal Investigator, ‘Car Indoor Air Pollution Monitoring and Controlling System’, Application No.202041011747, Publication Date: 20/03/2020, The Patent Office Journal No. 12/2020, Page: 14833, http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4855_1/Part-1.pdf.Patent Publication, Co-Investigator, ‘AutoLiv: Automated Liver Tumor Segmentation in CT Images’, 202041055539, Publication Date : 01/01/2021, The Patent Office Journal No. 01/2021, Page: 242, https://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4939_1/Part-1.pdf																																																	

Publications

- Citations & Index:
Google Scholar

Description	All	Since 2016
<u>Citations</u>	70	45
<u>h-index</u>	5	5
<u>i10-index</u>	4	2

Scopus:

Description	
<u>Documents</u>	8
<u>Citations</u>	22
<u>h-index</u>	3

- Published a paper titled ‘Medical Image Compression Using Biorthogonal Spline Wavelet with Different Decomposition’ in the International Journal on Computer Science and Engineering, Vol. 02, No. 09, 2010, Page3003-3006, 0975-3397.
- Presented a paper titled ‘A Lossy Medical Image Compression Scheme Using Inner Elliptic ROI and Biorthogonal Spline Wavelet’ in the National Conference on Computing Concepts in Current Trends, NC4T’11 organized by Sathyabama University on 11th and 12th Aug. 2011, Chennai, India
- Presented a paper titled ‘An Improved Active Contour Medical Image Compression Technique With Lossless Region of Interest’ in the International Conference on Trendz in Information Sciences and Computing-TISC2011, held on 8thand 9th Dec. 2011, Chennai, India
- Published a paper titled ‘Medical Image Compression with Lossless Region of Interest Using Adaptive Active Contour’ in the Journal of Computer Science, Vol. 8, Issue 5, 2012, Pages 747-751, 1549-3636, DOI: <https://doi.org/10.3844/jcssp.2012.747.751>
- Published a paper titled ‘Feature Reduction using Principal Component Analysis for Opinion Mining’, International Journal of Computer Science and Telecommunications, Vol. 3, Is 5, May 2012, Pages 118-121, 2047-3338
- Presented a paper titled ‘Active Contour based Medical Image Segmentation and compression using Biorthogonal Wavelet and SPHIT’ in the National Conference on Automation, Communication and Computing (NCACC 2012) held on 7th and 8th December 2012 , GITAM University, Visakhapatnam, India
- Presented a paper titled ‘Medical Image Compression with Lossless Region of Interest Using Fuzzy Adaptive Active Contour’ in the International Conference on Computational Techniques and Mobile Computing (ICCTMC’2012) held on 14th and 15th Dec 2012, Bayview Hotel, Singapore
- Published a paper titled ‘Active Contour Based Medical Image Segmentation and Compression Using Biorthogonal Wavelet and Embedded Zero Tree’ in the Indian Journal of Science and Technology, Volume 6, Issue 4, April 2013, 4390-4395, DOI: 10.17485/ijst/2013/v6i4.21
- Published a paper titled ‘Performance Evaluation of Image Compression for Medical Image’ in the Indian Journal of Computer Science and Engineering, Volume 4, Issue 2, Apr-May 2013, 138-143.

- Presented a paper titled ‘A 2-Hop Neighbour aware service discovery in MANETs’ at International conference on Emerging technologies, Networking and Computational Intelligence March 2016.
- Presented a paper titled ‘Survey on service discovery in Mobile AdHoc networks’ in National conference at Brindavan College of Engineering. April 2016
- Published a paper titled ‘Principal component Analysis based opinion classification for sentiment Analysis’ in International journal for Scientific Research and Development, Volume 4, Issue 2 April 2016, Pages 853-856
- Published a paper titled ‘Joint Prediction of Queuing Manners using Mobile Phones’, in International journal for Scientific Research and Development, Volume 4, Issue 2, April 2016, Pages 1501-1503.
- Published a paper titled ‘An Efficient Service Discovery in MANET Using Two-Hop Neighbour Information’ in HKBK International Journal of Engineering Science and Technology, Volume 1, Issue 1, Published: Jan-Jun 2017, Pages 19-23
- Published a paper titled ‘Deriving statistical data from visual tracking on stored videos’ in International journal for Research and Development in Technology, Vol-7, Issue-6, June-17, 71-75, ISSN (O) :- 2349-3585.
- Published a paper titled, ‘News generation using crowd sourcing & sentimental analysis based on spatial mining of social media sensors’ in International Journal for Research and Development in Technology, Volume-7, Issue-6, June-17, 96-99, ISSN (O) :- 2349-3585 .
- Published a paper titled, ‘Reducing Bandwidth Consumption in Cloud Based IOT Health Care Application’ in International Journal for Research and Development in Tech., Vol-7, Is-5, May-17, 96-99, ISSN 2349-3585
- Published a paper titled, ‘PCA-Adaptive RBF Neural Network Hybridization for High Speed Face Recognition’ in International Journal of Advanced in Management, Technology and Engineering Sciences, Vol-7, Issue-8, Sep-17, 36-45, ISSN 2249-7455
- Published a paper titled, ‘Survey on Sketch Based Image Retrieval’ in International Journal for Scientific Research and Development, Vol-5, Issue-9, Nov-17, 506-508, ISSN(O): 2321-0613
- Published a paper titled, ‘Survey on Techniques used to Measure Power and Energy Consumption’ in International Journal for Scientific Research and Development, Vol-5, Issue-9, Nov-17, 506-508, ISSN(O): 2321-0613
- Published a paper titled, ‘Automation of Resource Allocation for the Conduction of Examination Using Genetic Algorithm’ in HKBK International Journal of Engineering Science and Technology, Vol-1, Issue-2, 2017, 7-10
- Published a paper titled, ‘A Survey Paper on Voice Mail’ in Journal of Applied Science and Computations, Vol-5, Issue-12, Dec-2018, 682-684, ISSN: 1076-5131, DOI:16.10089.JASC.2018.V5I12.453459.1500183
- Published a paper titled, ‘A Survey on Solving Mental Health Problems Using Machine Learning’ in Journal of Applied Science and Computations, Vol-5, Issue-12, Dec-2018, 52-55, ISSN: 1076-5131, DOI:16.10089.JASC.2018.V5I12.453459.150090

	<ul style="list-style-type: none"> • Published a paper titled, ‘A Harmonized Dynamic Quality of Service Aware Data Replication Strategy in Cloud’ in International Journal of Innovative Technology and Exploring Engineering, Vol-8, Issue-11, Sep-2019, 3521-3528, DOI: 10.35940/ijtee.K2481.0981119, ISSN 2278-3075 • Published a paper titled, ‘Human Facial Emotion Recognition using Adaptive Sigmoidal Transfer Function in MLP Neural Network’ in International Journal of Engineering and Advanced Technology, Vol-9, Issue-1, Oct-2019, 4103-4113, DOI: 10.35940/ijeat.A1347.109119, ISSN: 2249 – 8958 • Published a paper titled, ‘AODV based Service Discovery Protocol with Two Hop Neighbour Information’ in International Journal of Recent Technology and Engineering, Vol-8, Issue-4, Nov-2019, 4068-4072, DOI: 10.35940/ijrte.D8574.118419, ISSN: 2277-3878 • Published a paper titled, ‘Automated Allocation of Resources for Examination System Using Genetic Algorithm’ in International Journal of Engineering and Advanced Technology, Vol-9, Issue-2, Dec-2019, 1052-1055, DOI: 10.35940/ijeat.B3510.129219, ISSN 2249-8958. • Presented a paper titled, ‘AutoLiv: Automated Liver Tumor Segmentation in CT Images’, Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, Oct 2020, https://ieeexplore.ieee.org/document/9277076, DOI: 10.1109/icstcee49637.2020.9277076 • Published a paper titled, ‘Spatial Machines for Heterogeneous MRI Data—A Critical Review’, Lecture Notes in Civil Engineering, Book Chapter, Oct 2020, DOI: 10.1007/978-981-15-5001-0_11. • Published a paper titled, ‘Novel AODV based service discovery protocol for MANETS’, Springer Wireless Networks, Volume 27, Issue 4, 2497–2508, May 2021, DOI:10.1007/s11276-021-02596-0
Achievements	<ul style="list-style-type: none"> • Number of Faculty Development Programme Organised:12 • NBA Accreditation for 2 Years from 2015 • NAAC Accreditation from 2017(Incharge for Criteria-1) • PhD Guide in VTU • CSI-HKKBK-SBC since 2013 • SWAYA-NPTEL Local Chapter SPOC • Convenor of 1st National Conference On Advanced Computing and Wireless Networks – ACWiN10 on 29th and 30th April 2010 at HKBK College of Engineering, Bangalore, Karnataka • Organizing Secretary of 2nd International Conference on “Innovation in Engineering Science, Technology and Management - ICIESTM-19 on 3rd and 4th of May, 2019 at HKBK College of Engineering, Bangalore, Karnataka. • As reviewer and session chair in national conferences at SVCE-Bengaluru, BCE-Bengaluru and Dr.MGR Janaki College for Women, Chennai. • Editorial Board Member ISJCRESM • Convenor of 3rd National Conference on Futuristic Trends in Computer Science and Information Technology – NCFTCSIT2021, on 16th August 2021 at HKBK College of Engineering, Bengaluru, Karnataka.

Certifications	<ul style="list-style-type: none"> • Two-week AICTE Sponsored Faculty Development Programme on High Performance Grid and Cloud Computing, conducted by NHCE, Bengaluru. 2nd to 14th December, 2019. • Certification Course on Intellectual Property Rights and Innovation, conducted by KSCST in association with Cell for IPR Promotion and Management (CIPAM), Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India. • 12 Weeks NPTEL Course on NBA Accreditation and Teaching Learning in Engineering. • Two-week ISTE Short Term Training Programme on Environmental Studies, conducted by IIT Bombay at PSGCT, Coimbatore. 2nd to 12th June, 2015 • Two-week ISTE workshop on Database Management Systems, conducted by IIT Bombay at NMIT, Bangalore. 21st – 31st May, 2013 • THINK PARALLEL: Parallel Programming for Engineers & Scientists, Centre for Development of Advanced Computing (C-DAC), A Scientific Society of the Ministry of Communications & Information Technology (MCIT) & Government of India, Jan 2012. • Six Sigma Yellow Belt – DMAIC, Ministry of Micro, Small and Medium Enterprises, Government of India, October 2011 												
Personal Information	<table> <tr> <td>Name</td> <td>: Loganathan R.</td> </tr> <tr> <td>Father's Name</td> <td>: Ramasamy R.</td> </tr> <tr> <td>Date of Birth</td> <td>: 20th May 1972</td> </tr> <tr> <td>Gender</td> <td>: Male</td> </tr> <tr> <td>Marital Status</td> <td>: Married</td> </tr> <tr> <td>Nationality</td> <td>: Indian</td> </tr> </table>	Name	: Loganathan R.	Father's Name	: Ramasamy R.	Date of Birth	: 20 th May 1972	Gender	: Male	Marital Status	: Married	Nationality	: Indian
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Gender	: Male												
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Others	<ul style="list-style-type: none"> • Life member ISTE[LM20887] • Member of CSI • Member IAENG[No:125126] 												

Place: Bengaluru

Date: 06.08.2021

[Dr. Loganathan R]