

National Institute of Technology, Tiruchirappalli:
CV of Dr.B.Ramadoss/Professor (HAG),Dept. of CA

Dr. (Mr.) RAMADOSS Balakrishnan,
Professor (HAG)
Department of Computer Applications,
National Institute of Technology,
Tiruchirappalli, Tamil Nadu



Dr. (Mr.) B. Ramadoss received the M.Tech degree in Computer science and Engineering in 1995 from the Indian Institute of Technology, Delhi and the Ph.D. degree in Applied Mathematics in 1983 from Indian Institute of Technology, Bombay. Currently, he is working as a Professor (HAG) Computer Applications at National Institute of Technology, Tiruchirappalli. He has 30 + years of teaching & research experience.

Under his guidance, 9 have successfully completed Ph.D. programme; 2 have submitted thesis & 4 in progress. He has 80+ research publications in SCI / SCIE / Scopus and reputed International Conferences. His research interests include Security and Privacy in Big Data and Cloud, Software Testing; Information Retrieval. He is a recipient of Best Teacher (Computer Applications) Award at National Institute of Technology, Tiruchirappalli, India during 2006-2007.

He served as Board of Studies Member in many reputed Universities/Institutions in India.He served as Member-Academic Council,Anna University,Chennai during 2015-'17. He has visited US (2006 & 2016); Singapore (2013);Thailand (2008) and Sharjah (on a teaching assignment during 1997-2000). He is a Senior Member of IEEE, Life Member (LM) of ISTE, New Delhi, Life Member (LM), and Computer Society of India.

1.	Name	Dr. Ramadoss Balakrishnan
2.	Designation	Professor (HAG)
3.	Office Address:	Department of Computer Applications, National Institute of Technology, Tiruchirappalli (NITT)
4.	Telephone : Mobile :	0431-2503735 98946-02642
5.	Email (Primary):brama@nitt.edu	Email (Secondary) : ramadoss.b5@gmail.com

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6.	Field(s) of Specialization:	Software Testing Methodologies, Security and Privacy in Big Data and Cloud, Data Mining, Machine Learning, Deep Learning and Computer Vision.
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7. Employment Profile

From	To	No of Years	Name of the University	Position Held and Responsibilities
April-2019	Till date		National Institute of Technology, Tiruchirappalli (NITT)	Professor(HAG), Department of Computer Applications
2007	2019	11	National Institute of Technology, Tiruchirappalli (NITT)	Professor, Department of Computer Applications
1998	2000	3	Sharja College (Affiliated to University of Houston, Clear Lake, Houston, USA (On Leave)	Dean Faculty of Engineering and Technology, Head of Department of Computer Science
1997	2000	4	Sharja College (Affiliated to University of Houston, Clear Lake, Houston, USA (On Leave)	Visiting Faculty, Department of Computer Science
1996	2007	12	National Institute of Technology, Tiruchirappalli (NITT)	Assistant Professor, Department of Computer Applications

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1985	1996	12	National Institute of Technology, Tiruchirappalli (NITT)	Lecturer, Department of Computer Applications
1984	1985	1	Vellore Engineering College, Vellore.	Assistant Professor, Department of Mathematics
1983	1984	1	Maruthi College of Engineering, Vellore	Assistant Professor, Department of Mathematics
1982	1983	1	Indian Institute of Technology, Bombay	Senior Research Assistant, Department of Mathematics
1978	1982	4	Indian Institute of Technology, Bombay	Full Time research scholar, Institute fellow

8. Academic Qualifications:

Degree	Year	Institution	University/location	Degree Discipline
PhD	1983	Indian Institute of Technology, Bombay	Bombay India	Applied Mathematics
M.Tech	1995	Indian Institute of Technology, Delhi	Delhi India	Computer science and Engineering

9. Academic/Administrative Responsibilities:

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Position	Faculty/Department/ Institution	From	To
Chief Warden	Hostels, NITT	Nov.2015	Feb. 2018
HoD	Computer Applications, NITT	2009	2012

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Senate Member	NIT, Puducherry	2015	July 2018
Board of Studies For University Departments of Computer Applications	Bharathiar University	2013	Till date
Member, Academic Council	Anna University, Chennai	2013	2016
Ph.D. Examiner	NITs, Anna University, JNTU etc.	2004	Till date

11. Awards

Year	Name of the Award	Awarding Organization
2007	Best Teacher Award in the Dept. of Computer Applications, NIT, Trichy	NIT, Trichy
1981	Awarded medal for Distinction in Engineering Technology and cash prize for the research paper published in the Irrigation and Power Journal.	Central Board of Irrigation and Power, New Delhi,

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From	To
1978-1982	Research fellowship	GOI, at IIT Bombay	1978	1982

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13. Details of Academic Work

(i) Curriculum Development

Sl. No	Curriculum Developed
1	Developed the course curriculum for one courses at the Ph.D. level CA836- SECURITY ASPECTS OF CLOUD ARCHITECTURE

(ii) Courses taught at Undergraduate level, Postgraduate levels and Ph.D. level

1. Software Agents
2. Data Mining and Advanced Data Mining
3. Operating systems
4. Theory of computation
5. Probability and statistics
6. Database Management Systems
7. Advances in Cloud Computing Technologies
8. Computer Security
9. Security Aspects of Cloud Architecture

(iii) Projects guided at Postgraduate level (M Tech)

1. Number of P.G. Projects guided: 57

15. Number of PhDs guided

Sl. No	Name of the PhD Scholar	Title of PhD Thesis	Role	Status
1	Rajkumar Kannan	Modeling and Annotation of the Dance Video Semantics	Supervisor	Awarded 2007
2	S R Balasundaram	Innovative ICT based assessment models in advanced hearing scenarios	Supervisor	Awarded 2008
3	Moses Dian	Maintaining fairness in peer-peer-network for on-demand services with incentive mechanisms	Supervisor	Awarded 2013
4	Prema P	performance improvement of testing through test case reduction for integrated applications	Supervisor	Awarded 2014
5	Niju P Joseph	Managing uncertainty in supply chain using genetic algorithm	Supervisor	Awarded 2015
6	Sathyan Munirathinam	Big data predictive analytics for semiconductor equipment pro active maintenance	Supervisor	Awarded 2017

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7	Sheba Selvam	Hybrid Photo Clustering Methodologies for Improving the Retrieval Relevancy in Social Event Detection	Supervisor	Awarded 2017
8	Karthikeyan C	Non-linear Image Fusion using Dual Tree Complex Wavelet Transform and Cluster based Fuzzy Rules for Medical Applications	Supervisor	Awarded 2017
8	Sudha Rani S.V	Mutation Testing, Mutant Operators and Metrics Introduced in the Avionics Systems Integration Domain	Supervisor	Awarded 2020
9	P Venkata Sarla	Combinatorial Interaction Testing Methodology for Complex Avionics Systems	Supervisor	Awarded 2020
10	Balaji C	An Efficient Attribute Based Encryption (ABE) Scheme Using Optimized Pairing Construction in Cloud Environment (tentative)	Supervisor	Awarded 2019
11	Kalyan Krishnan	Web service (tentative)	Supervisor	Ongoing
12	Smrithy G S	Anomaly Detection using Statistical Techniques for Big Data in Cloud Environments (tentative)	Supervisor	Submitted October-2020
13	Arpita Gupta	Person Re-identification Using Deep Learning (tentative)	Supervisor	Ongoing
14	Sridhar Raj	Cyber Security (tentative)	Supervisor	Ongoing

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia / Seminars/ Schools etc. (mentioning the role)

<i>Date (s)</i>	<i>Title of Activity</i>	<i>Level of Event (International / National / Local)</i>	<i>Role (Participant / Speaker / Chairperson / Paper Presenter)</i>	<i>Event Organized by</i>	<i>Venue</i>

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23 Feb 2006	Software Testing and Software Requirements Specification	National	Participant	Anna University	Chennai
15-19 Feb 2006	Workshop on Management Capacity Development Programme	National	Participant	Educational Resource Centre, New Delhi	Puri
7 Jan 2006	Workshop on Software Estimation and Function Point Analysis	National	Participant	CSI Chennai Chapter	Chennai
10-11 Nov 2005	International Conference and Workshop on Web Technologies	International	Participant	New Delhi	New Delhi
14 Nov 2004	Outlier Analysis and Essential Mathematics for Cryptography	National	Participant	Amrita University	Coimbatore
19 July 2004	Software Metrics, National Conference on Software Engineering	National	Participant	Sacred Heart College	Tirupattur
10-14, June 2004	Very Large Database Summer School on Frontiers of Database Technologies	National	Participant	VLDB Endowment	Bangalore
25-26 March 2004	AICTE National Level Seminar on UML Based Design Environments for Interactive Applications	National	Participant	TCE	Madurai

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25-26 March 2004	UML Based Web Enabled Route Finder, National seminar on UML	National	Participant	TCE	Madurai
27Sept 2003	State Level Seminar on Emerging Trends in IT	National	Participant	Cauvery College for Women	Trichy
21 July 2003	Data Mining and Data Warehousing, AICTE- ISTEESTTP	National	Participant	PMCTW, Vallam,	Tanjore
Apr 7- 8, 2003	An overview of Native XML Databases, National seminar on XML and its Applications	National	Participant	TCE	Madurai
Apr 7- 8, 2003	Use of XML in web based learning, National seminar on XML and its Applications	National	Participant	TCE	Madurai
Jan 9- 11, 2003	Aspects of hash functions and digital signatures, National seminar on Discrete Mathematics and Applications	National	Participant	Ernakulam, Kerala	Ernakulam, Kerala
Jan 9- 11, 2003	Proposed software cost estimation model based on IBL, National seminar on Discrete Mathematics and Applications	National	Participant	Ernakulam, Kerala	Ernakulam, Kerala

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Oct 12, 2002	E-Governance in education	National	Participant	PMCT, Vallam	Tanjore
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**17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized
(as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)**

<i>Title of Activity</i>	<i>Level of Event (International / National / Local)</i>	<i>Date (s)</i>	<i>Role</i>	<i>Venue</i>
One day National Conference on "Semantics Based Information Retrieval"	National	06/06/16	Coordinator	NIT, Trichy
Two days workshop on "R Programming Language"	National	16/10/15 to 17/10/15	Coordinator	NIT, Trichy
One day National Seminar on "Semantic Information Retrieval"	National	30/01/12	Coordinator	NIT, Trichy
Two Day Workshop on "E-Learning: Trends and Technologies" Dept. of CA and CSE	National	22/01/10 to 23/01/10	Coordinator	NIT, Trichy
One day workshop on "DM using PASW Modeler" conducted by SPSS, South Asia Bangalore	National	24/08/09	Coordinator	NIT, Trichy
Two Weeks FDP Sponsored by AICTE-MHRD on "Web Based Systems : Development and Applications"	National	19/01/09 to 31/01/09	Coordinator	NIT, Trichy
Two days FDP on "Software Quality" conducted by Accenture	National	26/10/07 to 27/10/07	Coordinator	NIT, Trichy

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18. Invited Talks delivered

<i>Topic</i>	<i>Date</i>	<i>Inviting Organization</i>

19. Membership of Learned Societies

<i>Type of Membership (Ordinary Member/ Honorary Member / Life Member)</i>	<i>Organization</i>	<i>Membership No. with date</i>
Senior Member	IEEE	90562723
Life member	CSI	I0169710
Life member	ISTE	LM 0967

20. Academic Foreign Visits

<i>Country</i>	<i>Duration of Visit</i>	<i>Programme</i>
USA	December 2016	Presented a paper in ACM CIKM 2006 at Washington DC, USA Session Chair and presented a paper in IEEE International Conference on Big Data, 2016 at Washington DC, USA
Thailand	6-9 June 2006	PC member, IEEE CIS-RAM & Presented a paper.
Iran	January 24-26, 2006	PC member, 11th International CSI and Computer Conference
Sharjah	1997-2000	Visiting faculty, Sharjah College (Affiliated to University of Houston, Clear Lake, Houston, USA (On Leave)

21. Publications

[A]Refereed Research Journals:

<i>Sl. No</i>	<i>Title of Paper</i>	<i>Authors</i>	<i>Journal</i>	<i>Page No. / DOI</i>
45.	A Precise Sensor Fault		ETRI (Wiley)	

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	Detection Technique using Statistical Techniques for Wireless Body Area Networks	Smrithy G. S. & Ramadoss B.		
44.	Deep manifold clustering based optimal pseudo pose representation (DMCOPPR) for unsupervised person re-identification	S Sridhar Raj, Munaga VNK Prasad, Ramadoss Balakrishnan	Image and Vision Computing,2020	103956
43.	A Naïve Bayes Reputation Generating Model based on Sentiment Analysis and Opinion Fusion	Arpita Gupta, Saloni Priyani, Ramadoss Balakrishnan	Journal of Mechanics of Continua and Mathematical Sciences,2020	
42.	Secure Information Transmission Framework in Wireless Body Area Networks	Balaji, C., B. Ramadoss and Y. Nogami	Journal of Applied Security Research,	15 (2), 279-287
43.	Automated Modeling of Real-Time Anomaly Detection using NonParametric Statistical Technique for Data Streams in Cloud Environments	Smrithy Girijakumari Sreekantan Nair, Ramadoss Balakrishnan	JOURNAL OF COMMUNICATIONS SOFTWARE AND SYSTEMS,	VOL. 15, NO. 3, SEPTEMBER 2019

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42.	TF-CPABE: An efficient and secure data communication with policy updating in wireless body area networks	Balaji, C., B. Ramadoss and Y. Nogami	ETRI Journal	41 (4), 465-472
41.	An Efficient and Secure Data Communication with Policy Updating in Wireless Body Area Networks.	Balaji, C., Y. Nogami and B. Ramadoss	ETRI Journal, 2019	15 (2), 270-278
40.	Automation of Combinatorial Interaction Test (CIT) Case Generation and Execution for Requirements based Testing (RBT) of Complex Avionics Systems	P Venkata Sarla, Balakrishnan Ramadoss	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS	112-121
			, 2018, SCIENCE & INFORMATION SAI ORGANIZATION LTD	
39.	An Efficient Tate Pairing Algorithm for a Decentralized Key-Policy Attribute Based Encryption Scheme in Cloud Environments	Balaji Chandrasekaran, Ramadoss Balakrishnan	Cryptography, 2018, Multidisciplinary Digital Publishing Institute	15

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38.	An Efficient Hierarchical Multi-Authority Attribute Based Encryption Scheme for Profile Matching using a Fast Ate Pairing in Cloud Environment	Balaji Chandrasekaran, Yasuyuki Nogami, Ramadoss Balakrishnan	JOURNAL OF COMMUNICATIONS SOFTWARE AND SYSTEMS, 2018, Croatian Communications and Information Society	151-156
37.	Mitigating false alarms using accumulator rule and dynamic sliding window in wireless body area	Smrithy Girijakumari Sreekantan Nair, Ramadoss Balakrishnan	CSI Transactions on ICT, Springer India, 2018	203-208
36.	Secure Data Communication using File Hierarchy Attribute Based Encryption in Wireless Body Area Networks	Balaji Chandrasekaran, Ramadoss Balakrishnan, Yasuyuki Nogami	JOURNAL OF COMMUNICATIONS SOFTWARE AND SYSTEMS, 2018, Croatian Communications and Information Society	75-81
35.	Detecting Insider Malicious Activities in Cloud Collaboration Systems	Smrithy GS, Alfredo Cuzzocrea, Ramadoss Balakrishnan	Fundamenta Informaticae, 2018, IOS Press	299-316
34	Comparative Analysis of Similarity Measure Performance for Multimodality Image Fusion using DTCWT and SOFM with Various Medical Image Fusion Techniques	Karthikeyan, C., and B. Ramadoss	Indian Journal of Science and Technology, 2016	10.17485/ijst/2016/v9i22/95298

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33	Predictive Models for Equipment Fault Detection in the Semiconductor Manufacturing Process	Munirathinam, Sathyan, and Balakrishnan Ramadoss	International Journal of Engineering and Technology, 2016	(8.4)273
32	Performance Evaluation of Cloud Services with Profit Optimization	Jaiganesh, M., Balakrishnan Ramadoss	Procedia Computer Science, 2015	24-30
31	Geo distance-based event detection in social media	Sheba, S elvam, Balakrishnan Ramadoss, and S. R. Balasundaram	International Journal of Computational Intelligence Studies, 2015	87-101
30	Machine Learning Predictive Models in Semiconductor Manufacturing Processes	Munirathinam Sathyan and Dr.Ramadoss	Australian Journal of Basic and Applied Sciences (AJBAS), 2015	23-36

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29	Social Event Detection–a systematic approach using Ontology and Linked Open Data with Significance to Semantic Links	Sheba Selvam, Ramadoss Balakrishnan, and Balasundaram Ramakrishnan	IAJIT, 2015	http://ccis2k.org/iajit/PDF/July%202018.%20No.%204/11187.pdf
28	Framework for Mission-Based Evaluation of Avionics Systems of Unmanned Air Vehicles using Functional Mutation Operators for Timeliness	Sudha Rani .S .V, B. Ramadoss,	International Journal of Software Engineering and Its Applications, 2015	43-52
27	A Validation Framework Design Concept for Mutation based Evaluation of Integrated Performance of Avionics Systems of Unmanned Air Vehicles	Sudha Rani .S .V, B. Ramadoss,	International Journal of Computer Applications, 2014	10.5120/17062-7469
26	Predictive Models for Equipment Fault Detection in the Semiconductor Manufacturing Process	Munirathinam Sathyan and Dr.Ramadoss	International Journal of Engineering and Technology (IJET), 2014	53 – 63
25	Coverage Metrics for Integrated Performance of Avionics Systems of an Air Vehicle including Scenario-Based Evaluation in an Integration Facility	Sudha Rani .S .V, B. Ramadoss,	European Journal of scientific Research, 2014	117-128

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24	Identification and Deletion of Duplicate Subtrees in Classification Tree for Test Case Reduction	P.Prema, B. Ramadoss and S.R. Balasundaram	International Journal of Information Systems and Change Management, 2013	374-388
23	An Algorithm for Merging Two Classification Trees for Test Case Construction	P. P. rema, B. Ramadoss and S. R. Balasundaram	International Journal of Computer Systems Science & Engineering, 2013	195-204
22	Managing Uncertainty in Production cost using Genetic Algorithm	Niju.P.Joseph, Dr.B.Ramadoss	International Journal of Applied Engineering Research, 2013	667-673
21	A Genetic Algorithm applying single point crossover to minimize uncertainty in production cost	Niju.P.Joseph, Dr.B.Ramadoss	World Applied Sciences Journal, 2013	1013-1017
20	An algorithm for merging two classification trees for test case generation.	P.Prema,B. Ramadoss and S.R. Balasundaram	Computer systems science and engineering, 2013	207-216

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19	A Grade-Based Incentive mechanism for Peer-To-Peer Networks	Dian, S.Moses, and B. Ramadoss	American Journal of Engineering and Applied Sciences, 2012	453
18	An Enhanced Solution to the Protein Folding Problem Using a Hybrid Genetic Algorithm with G-Bit Improvement Strategy	Judy, M. V., and B. Ramadoss	International Journal of Modeling and Optimization (2012)	356
17	A grade-based incentive mechanism with starvation prevention for maintaining fairness in peer-to-peer networks	Dian, S.Moses, and B. Ramadoss	International Journal of System Assurance Engineering and Management (2012):	84-99
16	Segmentation algorithm for CT images using morphological operation and artificial neural network	Karthikeyan, C., B. Ramadoss, and S. Baskar	international journal of signal processing, image processing and pattern recognition (2012)	115-122
15	Combined Classification Tree Method for Test Suite Reduction	P. Prema, B. Ramadoss and S. R. Balasundaram	International Journal of Computer Applications, 2011	27-33

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14	Segmentation algorithm for CT images using morphological operation and artificial neural network	Karthikeyan, C., B. Ramadoss, and S. Baskar	International Journal of Computer Theory and Engineering 2011	561
13	Modeling and Annotating the Expressive Semantics of Dance Videos	Kannan, Rajkumar, and Balakrishnan Ramadoss	arXiv preprint arXiv: (2010).	1001.0442
12	Tutoring System for Dance Learning	Kannan, Rajkumar, Frederic Andres, and Balakrishnan Ramadoss	arXiv preprint arXiv: (2010).	1001.0440
11	Semantic Modeling and Retrieval of Dance Video Annotations	Kannan, Rajkumar, and Balakrishnan Ramadoss	arXiv preprint arXiv: (2010).	1001.0441
10	Assessment Using Multi-Criteria Decision Approach For 'Higher Order Skills' Learning Domains	S. R. Balasundaram, and B. Ramadoss	International Journal of E-Learning, 2009	241-262
9	A Classification Scheme for Game Input and Output	P. Prema, B. Ramadoss	Journal of World Academy of Science Engineering and Technology, 2008	235- 241

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8	Modeling the dance video semantics using Regular Tree Automata	Ramadoss, Balakrishnan, and Kannan Rajkumar	Fundamenta Informaticae (2008)	175-189
7	SMS for Question-Answering in m-Learning Scenario	S. R. Balasundaram, B. Ramadoss	Journal of Computer Science, 2007	119-121
6	Semantic Modeling and Retrieval of Dance Video Annotations	B. Ramadoss, K. Rajkumar	Journal of Computer Science, 2007	321
5	Semi-automated Annotation and Retrieval of Dance Media Objects	B. Ramadoss, K. Rajkumar	Journal of Cybernetics and Systems, 2007	38
4	Modeling and annotating the expressive semantics of dance videos	B.Ramadoss, K.Rajkumar	International Journal of IT and Knowledge, 2006	137-146
3	Modeling and Querying the Expressive Semantics of Dance Videos	B.Ramadoss, K.Rajkumar	International Journal of Information and Knowledge Management, 2006	193-210
2	Use of GDSS for Evaluating Web Design Assignments in Web Based Environment	B. Ramadoss, S. R. Balasundaram	International Journal of Infonomics, 2005	50-55
1	Functional relationship between volume change and swelling pressure of an idealized clay particle	B.Ramadoss	Irrigation and Power Journal, 1981	359-365

[B]Refereed Conference Papers:

Sl. No	Title of Paper	Authors	Name and Volume of Proceedings and year	Page No. / ref
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55	Supervised CrossDatabase Transfer Learning-based Facial Expression Recognition	Arpita Gupta, Ramadoss Balakrishnan	ICCCMLA - 2020	
54	Vehicle re-identification using relative entropy representation and gated recurrent unit networks	Arpita Gupta, Abilash Chittrarasu, Ramadoss Balakrishnan	Procedia Computer Science	171, 508-513
53	Deep self-attention network for facial emotion recognition	Arpita Gupta, Subrahmanyam Arunachalam, Ramadoss Balakrishnan	Procedia Computer Science	171, 15271534
52	Semi-Supervised Hybrid Model for Few Shot Learning	Arpita Gupta, Ramadoss Balakrishnan	2 nd International Conference on Machine Learning and Data Science (ICMLDS) – 21 st to 22 nd December 2018	99-102
51	Light-Weight Visual Feature Based Labeling (LVFL) for Unsupervised Person Re-identification	Sridhar Raj, Munaga VNK Prasad, Ramadoss Balakrishnan	15th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS), 2019	82-89

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50	A MMD-Based Non-Parametric Online Anomaly Detection Algorithm over Big Data Streams in Cloud Collaborative Environments	G. S. Smrithy, Alfredo Cuzzocrea, Ramadoss Balakrishnan	Second International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), University of Cambridge, Cambridge City, UK, 22-23 March 2017	ACM Digital Library
49	A Statistical Technique for Online Anomaly Detection for Big Data Streams in Cloud Collaborative Environment	Smrithy, G. S., and Ramadoss Balakrishnan	2016 IEEE Computer and Information Technology (CIT), 8-10 Dec. 2016	108-111
48	Online anomaly detection using non-parametric technique for big data streams in cloud collaborative environment	Smrithy, G. S., Sathyan Munirathinam, and Ramadoss Balakrishnan	2016 IEEE International Conference on Big Data, USA, 5-8 Dec. 2016	1950-1955
47	Attribute Based Encryption Using Quadratic Residue for the Big Data in Cloud Environment.	Balaji Chandrasekaran, Ramadoss Balakrishnan	International Conference on Informatics and Analytics. ACM, 2016, August 25 - 26, 2016	p. 19
46	Efficient pairing computation for Attribute Based Encryption using MBNR for Big Data in cloud	Balaji Chandrasekaran, Ramadoss Balakrishnan	2nd International Conference on and Theoretical Computing and Communication Technology (iCATccT), 2016	243 - 247
45	Big data predictive analytics for proactive semiconductor equipment maintenance	Munirathinam, Sathyan, and Balakrishnan Ramadoss	2014 IEEE International Conference on Big Data, USA, 27-30 Oct. 2014	893 - 902

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44	Big Data Predictive Analytics for Proactive Semiconductor Equipment Maintenance: A Review	Munirathinam, Sathyan, and Balakrishnan Ramadoss	ASEBIGDATA/ SOCIALCOM/ CYBERSECURITY Conference, Stanford University, May 27-31, 2014	893-902
43	Event detection refinement using external tags for flickr collections	Sheba,Selvam, Balakrishnan Ramadoss, and S.R. Balasundaram	Intelligent Computing, Networking, and Informatics. Springer, 2014	369- 375
42	An Approach for Reduced Test Path Set Selection	P. Prema, B. Ramadoss, S. R. Balasundaram	International Conference on Advances in Computing, Communications and Informatics (ICACCI), Mysore, August 2013	191-196
41	Trading of Grade Based Incentivesto Avoid Free Riding and Starvation in P2P Network	S. Moses Dian and B. Ramadoss	ICDCIT 2013	347-360
40	Deity face recognition using schur Decomposition and hausdorff distance measure	B. Ramadoss, K. Rajkumar,K. Suresh, S. Sridhar	MWSCAS, 2013, Ohio, USA.	1184- 1187
39	Hypervisor Hardware Trust Monitor in Cloud computing	M.Jaiganesh,A. Vincent Antony Kumar,B. Ramadoss	Seventh International Conference on Communication Networks, Bangalore, 2013	1-9
38	Trading of grade based incentives to avoid free riding and starvation in P2P network	Dian,S. Moses, and B. Ramadoss.	International Conference on Distributed Computing and Internet Technology. Springer Berlin	Springer

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			Heidelberg, 2013	
37	A Genetic Algorithm applying Single point Crossover and Uniform Mutation for optimizing Inventory Management	Niju.P.Joseph,Dr. B. Ramadoss	2012 ICETT International conference on Emerging Technology Trends in Advanced Engineering Research,Kollam, Kerala	2012 ICETT
36	Extracting features and sentiment words from feedback of learners from academic environments	B. Ramadoss, K. Rajkumar	IPCSIT, 2012	115-120
35	Improving Test Coverage Using Merged Classification Tree	B. Ramadoss, P. Prema, S. R. Balasundaram	ICWET, 2011	752-757
34	Using Ontology for Short Answers Assessment in ELearning	S.R.Balasundaram &B.Ramadoss	IC4E 2011	IEEE, IACSIT and IEDRC
33	An Enhanced Solution to the Protein Folding Problem Using a Hybrid Genetic Algorithm With G-Bit Improvement Strategy	Judy M. V, B.Ramadoss	3rd International Conference on Computer Modeling and Simulation (ICCMS 2011), Mumbai, India.	ICCMS proceeding
32	Trust Agent based Incentive Mechanism for File Sharing in P2P Networks	S. Moses Dian, B. Ramadoss	TISC 2009	IEEE

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31	An Approach for Merging Two Classification-Trees	B. Ramadoss, P. Prema	IEEE International Advance Computing Conference, Patiala, Punjab	1602 - 1607
30	Intelligent Tutoring System for Learning Environments	K. Rajkumar, Fredericc Andres, B. Ramadoss	IEEE International Advance Computing Conference, 6-7 March 2009	IEEE
29	Testing Guidelines for Aggregation Classes	P. Prema, S. R. Balasundaram, B. Ramadoss	Second National Workshop on "Recent Trends in Object Oriented Software Testing, 2009	Proceeding
28	Secured Geo mobility Location services for Mobile adhoc Network	M. Jaiganesh, B. Ramadoss	IEEE Advance Computing Conference, (IEEEACC'09),	22-27
27	A New type of Integration error and its influence of Integration Testing	P.Prema, B. Ramadoss	International Conference on Software Engineering, 29-31 August, 2008	Proceeding
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25	Dimensions of Data – From e-Learning perspective	S.R.Balasundaram, B.Ramadoss	ICDEM 2008.	Proceeding
24	Security Management in Kerberos V5 for GSM network	M. Jaiganesh, B. Ramadoss	ICCCN'08	1-7

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22	Generic Modeling of the Dance Video Semantics	B.Ramadoss, K.Rajkumar	IEEE CIT2006	IEEE

21	Selecting Learning Objects using Recommender Systems for e-Learning Courseware Development	S.R.Balasundaram and B.Ramadoss	ICSCI 2006	Proceeding
20	Learner Status as Visual Metaphor in Learner- Centric Web Courses	S.R.Balasundaram and B.Ramadoss	ICWA 2006	Proceeding
19	Modeling the Dance Video Annotations	B.Ramadoss, K.Rajkumar	IEEE Int. Conf. On Digital Information and Management, 2006	145-150
18	Learning and Assessment using Pervasive Computing for Web Based Engineering Education	B.Ramadoss, S.R.Balasundaram	7 th International Conference on Information Technology based Higher Education and Training, July 10-13, 2006	IEEE
17	Object Oriented Learning Tool using Collaborative Learning	B.Ramadoss, S.R.Balasundaram	7 th International Conference on Information Technology based Higher Education and Training, July 10-13, 2006	IEEE

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16	Management and Selection of Visual Metaphors for Courseware Development in Web Based Learning	B.Ramadoss, S.R.Balasundaram	IEEE International Conference on CIS-RAM, June 7-9, 2006	IEEE
15	Mobile Agents for Hybrid Assessment in Web Based Education	B.Ramadoss, S.R.Balasundaram	International Conference on Computer & Communication Engineering, May 9-11, 2006	IEEE
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13	Modeling and Annotating the Expressive Semantics of Dance Videos	B.Ramadoss, K.Rajkumar	ITECH 2006	94-104

12	Use of Graphic Tools for Effective E- Learning Systems	S.R. Balasundaram, B. Ramadoss	ICSCI 2005	Proceeding
11	Intelligent Technologies For Lifelong Learning	S.R. Balasundaram, B. Ramadoss	International Conference on Beyond Chalk and Talk : Challenges and Opportunities for Teaching in the Digital Age, 2005	Proceeding
10	Improved Services through Citizen Data Warehouse	S.R. Balasundaram, B. Ramadoss	ICSCI 2004	Proceeding

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9	Aspects of Pervasive Computing for Web Based Learning	S.R. Balasundaram, B. Ramadoss	7 th International Conference on Information Technology, CIT 2004	3-540-24126-4
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4	Simplified Software Project Cost Estimation Model based on IBL	S.R. Balasundaram, B. Ramadoss	National Seminar on Discrete Mathematics and Applications, 2003	31-39
3	Issues and Challenges in Electronic Governance Planning	B. Ramadoss , Ram Palanisamy	International Conference on Building Effective e-Governance, 2002	Proceeding
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1	Resultant swelling pressure in expansive soils	B. Ramadoss	GEOTECH'80	93-95
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S.R.Balasundaram, B.Ramadoss	Testing Guidelines for Developing Quality EAI Projects	IGI Book Chapter	2009
S.R.Balasundaram, B.Ramadoss	Issues of Information Communication Technology (ICT) in Education	Kanishka Publishers Distributors, New Delhi, INDIA	2009
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