

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Brief Profile:

S. R. Balasundaram has been working since 1987 at the National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli. After completing M.C.A. from PSG College of Technology, Coimbatore, he joined REC Trichy during 1987 as a Computer Programmer. He completed M.E. in Computer Science & Engineering during 1992. Currently, he is working as an Associate Professor in the Department of Computer Applications, earned his doctorate in “E-Learning and Assessment” from NIT, Trichy, and has more than 40 papers in reputed Journals and Proceedings of International Conferences. His areas of interest are: Web & Mobile Technologies, Cognitive Sciences and e-Learning Technologies. Has authored a book, co-author for 3 book chapters and edited a book.

He has handled Object Oriented Programming, Analysis and Design, Software Engineering, Internet and Java Programming and Web Technologies at PG level. He was associated with the Computerization of National Level Admission Process for Common M.Tech. Counselling during 2010-2013. As Head of CSG during 2012-2015, was involved in the planning and implementation of Wi-Fi for Hostels. Currently he is Associate Dean (R&C) and involved in the activities related to Teaching and Learning Centre and Digital India. As Aakash coordinator of NITT conducted workshops, internship programme and procured equipments to set up Aakash Project lab. Also, involved in setting up a lab on e-Learning and HCI. Member, Centre for Entrepreneurship Development and Incubation (CEDI) under aegis of Ministry of Communication & Information Technology, Govt. of India.

1. Name: **Dr.S.R.Balasundaram**
2. Designation: **Associate Professor**
3. Office Address: **Department of Computer Application, NIT Trichy.**
4. Telephone (Direct) (Optional):
Telephone : (0431)250- **3738** Extn (Optional):
Mobile (Optional): **9994291420**
5. Email (Primary): **bsundar@nitt.edu** Email (Secondary) : **srb.nitt@gmail.com**
6. Field(s) of Specialization: **Web & Mobile Technologies, Cognitive Sciences and e-Learning Technologies.**
7. Employment Profile

Job Title	Employer	From	To
Computer Programmer	Regional Engineering College, Tiruchirappalli-620 015	19.01.1987	17.12.1996
Lecturer	Regional Engineering College, Tiruchirappalli-620 015	18.12.1996	17.12.2001
Senior Lecturer	Regional Engineering College, Tiruchirappalli-620 015	18.12.2001	24.02.2008

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Assistant Professor	National Institute of Technology, Tiruchirappalli-620 015	25.02.2008	31.06.2010
Associate Professor	National Institute of Technology, Tiruchirappalli-620 015	01.07.2010	Till Date

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
B.Sc.	St. Joseph's college, Trichy. Madras University.	1983	I	Mathematics
M.C.A	P.S.G. College of Technology, Coimbatore, Bharathiar University.	1986	I	Computer Applications
M.E.	Regional Engineering College, Trichy. Bharathidasan University.	1992	II	Computer Science
Ph.D.	National Institute of Technology, Tiruchirappalli.	2008	-	Computer Applications

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Associate Dean	Research and Consultancy	2015	Till Date
Member	Centre for Entrepreneurship Development and Incubation (CEDI)	2013	Till Date
Member	Teaching and Learning Centre (TLC)	2013	Till Date
Project Work coordinator	Department of Computer Application (M.C.A and M.Sc.)	2005	Till Date
Head	Computer Support Group	2012	2015
Member in Institute Purchase Committee	Computer Support Group	2012	2015
Coordinator	Aakash Project of IIT Bombay under NMEICT of MHRD	2012	Till Date
Coordinator	Aakash Internship for B.Tech Students	2014	2015
Supporting Member	M.Tech Admission	2012- 2013	2013-2014
Software development team	Common Counseling for M.Tech Admissions	2010-2011	2011-2012
Programme Committee Member	Convocation and Institute Day	2013	Till Date
Member in DAC	Dept. of Mathematics	2013	2014

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10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
-	-	-	-

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2014	Golden Jubilee Distinguished Alumni Award for Serving Personnel at NIT Trichy	NIT Trichy

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
-	-	-	-	-
-	-	-	-	-

13. Details of Academic Work

(i) Curriculum Development: **Involved in revision and updation of MCA syllabi.**

(ii) Courses taught at Postgraduate and Undergraduate levels:

- **Computer Networks**
- **Object Oriented Programming Analysis & Design**
- **Software Engineering**
- **Computer Graphics**
- **Internet and Java Programming**
- **Web Technology**
- **Distributed Technology Lab**
- **Web Technology Lab**

(iii) Projects guided at Postgraduate level: **Each year 7 M.C.A and 2 M.Sc (O.R.&C.A)**

(iv) Other contribution(s):

- **Version - Student National level MCA Symposium - Coordinator (2005-14).**
- **Softrec - MCA Alumni Association - Staff advisor (2005-2014).**
- **Optima – MSC (CS) National level Symposium - Staff advisor (2015 onwards)**

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Incubation project in CEDI	CEDI under DEITY, MHRD	-	-	Ongoing
Course Developer for the course “Web Programming” for Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-Learning of Pedagogy.	IIT Kharagpur under NMEICT	-	-	Ongoing

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15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
A.Saravanan	Methodologies for improving Location Based Services using diversified context in Mobile environment.	Supervisor	2014
K.Nandhini	Enhanced Text summarization methods for improving readability of learners with reading difficulty.	Supervisor	2014
A.Akilan	A study on improving the performance of news portal for personalized news delivery.	Supervisor	2016

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

Date (s)	Title of Activity	Level of Event (International/National/ Local)	Role Participant/ Speaker/ Chairperson Paperpresenter	Event Organized by	Venue
16-07-07 to 21-07-07 (1 week)	Short Term course on “Soft Computing Tools: Neuro, Fuzzy Logic & Genetic Algorithms”,	National	Participant	Dept. of Computer Engineering, Vishwakarma Institute of Information Technology.	Pune
06-02-06 to 17-02-06 (2 weeks)	AICTE STTP on “Wireless Communications and Mobile Computing”	National	Participant	National Institute of Technical Teachers’ Training and Research.	Chandigarh
28-06-04 to 30-06-2004 (3 Days)	Short Term Course on “Instructional Design	National	Participant	CDAC.	Mumbai
22-03-04 to 02-04-04. (2 weeks)	AICTE-ISTE STTP on “Web based Engineering Education : Tools and Content Generation”	National	Participant	Centre of Educational Technology, NIT.	Warangal, A.P

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25-06-01 to 07-07-01. (2 weeks)	AICTE-ISTE-STTP on "Information Technology : Tools and Techniques"	National	Participant	Department of Electrical and Electronics Engineering, University College of Engineering.	Burla, Sambalpur, Orissa.
29-01-01 to 10-02-01 (2 weeks)	AICTE-ISTE-STTP on "Component Object Technology (COM, DCOM & CORBA)"	National	Participant	Department of Computer Science and Engineering, KREC.	Surathkal, Karnataka,
21-11-98	Workshop on "Artificial Neural Networks : Fundamentals to Diverse Applications"	National	Participant	Dept. of Instrumentation and Control Engineering and IEEE-REC	Trichy
18.04.97 to 19.04.97	Short Term Course under the Continuing Education Programme on "Computer Graphics and Image Processing"	National	Participant	Department of Computer Science and Engineering, IITM.	Chennai
October 1995	Attended training on "SYBASE"	National	Participant	Regional Engineering College.	Trichy
April 17-19, 1994 (2 Days)	Attended Tutorial on "Object Oriented Programming System- Tutorial"	National	Participant	CSI, Division IV and Tiruchirapalli Chapter.	Trichy
29-06-91 to 02-07-91 (4 Days)	Workshop on "C Language"	National	Participant	Computer Science & Engg. Dept.	R.E.C. Trichy
26-1-08	Workshop on Introduction to Simulating Complex Predictive System Bayesian Modeling in Image Processing"	National	Participant	Department of Mathematics.	NIT, Trichy

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26-9-08	Workshop on “Theory of Computation”	National	Participant	Dept. of CSE.	NIT, Trichy
19-12-08	Symposium on “E-Learning in Education”	National	Participant	NITTTR.	Chennai
05-06-09 to 07-06-09	Workshop on “Web Accessibility”	National	Participant	The Centre for Computer and Internet Society.	Bangalore
17-12-2010 and 18-12-2010	International Conference on Mobile Internet Devices – ICMID 2010	National	Participant	GRIET in association with CDAC, IETE, IEEE-Hyderabad	Hyderabad
20-21 January, 2012	'Enabling Access for Persons with Disabilities to Higher Education and the Workplace: Role of ICT and Assistive Technologies'	National	Participant	IIM Bangalore campus	Bangalore
31/10/12 to 02/11/12	First NKN workshop	National	Participant	IIT Bombay	Bombay
28/06/13	“EDUROAM”	National	Participant	SRM University	Chennai
17/10/13 to 19/10/13	Second NKN workshop	National	Participant	IISc Bangalore	Bangalore
09/12/13 to 13/12/13 (5 Days)	“National Training programme on Entrepreneurship development and management” sponsored by Department of science and technology,	National	Participant	EDI Campus, Ahmedabad	Ahmedabad
02/05/14	IPv6 Roadshow	National	Participant	Organized by ERNET India at IIT Madras	Chennai
21-22/01/16	Fourth NKN workshop	National	Participant	National Knowledge Network	Hyderabad

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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Two days FDP on “ Software Quality ” conducted by Accenture	National	26/10/07 to 27/10/07	Coordinator	NIT Trichy
One Day Workshop on “ Emerging Issues in Information Security ” under TEQIP	National	12/04/08	Coordinator	NIT Trichy
One Day AICTE Sponsored Symposium on “ Web Services Architectures & Applications ”	National	12/12/08	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
One day workshop on “ DM using PASW Modeler ” conducted by SPSS, South Asia Bangalore.	National	24/08/09	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 National Seminar on “ Semantic Information Retrieval ”	National	30/01/12	Coordinator	NIT Trichy
One day Workshop on “ Content Management System ”	National	09/09/12	Coordinator	NIT Trichy
Two days ISTE Workshop on “ Aakash for Education ” conducted by IIT Bombay for NIT Trichy Faculty Members	National	10/11/12 to 11/11/12	Coordinator	NIT Trichy
Two days MHRD sponsored “ NMEICT workshop ” with NMEICT cell, NIT Trichy	National	11/02/13 to 12/02/13	Coordinator	NIT Trichy
ISTE Workshop on “ Aakash for Android Application Programming ” Conducted by IIT Bombay.	National	23/02/13 to 24/02/13 and 02/03/13 to 03/03/13	Coordinator	NIT Trichy

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Four days Short Term Training Programme on “ Windows and Linux System Administration ”	National	10/06/13 to 13/06/13	Coordinator	NIT Trichy
Two days Short Term Training Programme on “ Virtualization & Cloud Computing ” by VMware Software Pvt. Ltd., Bangalore.	National	14/06/13 to 15/06/13	Coordinator	NIT Trichy
Two days Short Term Training Programme on “ AJAX ”	National	27/01/14 to 28/01/14	Coordinator	NIT Trichy
TEQIP-II Sponsored Training Programme on “ Window 7, Word 2013 and Excel 2013 ” for Administrative staff	National	19/05/14 to 27/05/14 and 02/06/14 to 10/06/14	Coordinator	NIT Trichy
DST-NIMAT sponsored EDP under CEDI, NIT Trichy	National	30/05/14 to 26/06/14	Coordinator	NIT Trichy
One day TEQIP Sponsored Workshop on “ Networking Emerging Trends – Wi-Fi and SDN ” for Students and Faculty of NIT Trichy.	National	01//11/14	Coordinator	NIT Trichy
One day workshop on “ Digital India ” funded by DEITY, India	National	18/08/2015	Coordinator	NIT Trichy
Two days workshop on “ R Programming Language ”	National	16/10/15 to 17/10/15	Coordinator	NIT Trichy
One day National Conference on “ Semantics Based Information Retrieval ”.	National	06/06/16	Coordinator	NIT Trichy
One day TEQIP Sponsored Workshop on “ Moodle and Beyond ”	National	30/09/16	Coordinator	NIT Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization
E-Security	28-29/01/2003	Adhiyaman College of Engineering, Hosur.
Data Mining Algorithms	28/07/2003	Periyar Maniammai College of Technology for Women.
Web Services	2004	Moogambigai College of Engineering.
Pervasive Computing	04/03/2006	Kongu Arts and Science College.
Intelligent Agents – An Overview	22/09/2006	St.Joseph’s College, Tiruchirappalli.

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Enterprise Java Beans – An Overview	24/02/2007	Jayaram College of Engineering, Trichy.
Pervasive Learning	27/03/2007	CSI Trichy Chapter jointly with Institution of Engineers, Trichy.
Pervasive Computing	04/08/2007	Dept. of Computer Applications, NIT Trichy.
E-Content Development	16/08/2007	Holy Cross College, Trichy.
Mobile Agents and Applications	08/09/2007	K.S.R. College of Engineering, Tiruchengode.
Java Essentials for Midlet Programming	26/12/2007	Dept. of Computer Applications, NIT Trichy.
GUI for Midlet Programming	30/12/2007	Dept. of Computer Applications, NIT Trichy
Invisible Computing- Next Generation Computing	14/03/2008	Saranathan College of Engineering, Trichy
Security in XML	12/04/2008	Dept. of Mathematics & Dept. of Computer Applications, NIT, Trichy
JavaScript- Will it survive in the Browser War?	15/05/08	Dept. of CSE, NIT, Trichy
Implementing Information System Projects – Methodologies, Web Based Information Systems – Models	03/07/2008 & 04/07/2008	NIT Surathkal, Karnataka
Software Engineering : Technologies and Tools in Implementation Phase	9/8/2008	PSNA College of Engineering & Technology, Dindigul.
Granular Computing	14/3/2009	VLB Janakiammal Engg. College, Coimbatore
XML	18/3/2009	CSI Trichy Chapter
E-Learning	11/04/2009	D.G.Vaishnav College, Chennai
Designing Effective User Interfaces	21/04/2009	CSI Trichy Chapter
Customization	25/05/2009 to 06/06/2009	Dept. Of Computer Applications, NIT Trichy
XML	17/06/2009	Sethu Institute of Technology, Madurai
Software Engineering	20/06/2009	Sudharsan College of Engineering
XML	25/06/2009	Jayaram College of Engg., Trichy
Customization	30/07/2009	Bharathiar College of Engg
Evolutionary Computing	14/09/2009	Kodaikanal Christian College
E-Learning	14/11/2009	BDU

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Pervasive Computing and Customization	20/11/2009	STC, Pollachi
Technologies for E-Learning	22/11/2009	Padmabhushan SRC
XML	4/12/2009	KLN College of Engg., Madurai
Research Directions in Computer Science	9/1/2010	MCE Pollachi
E-Learning	27/1/2010	CSI Trichy Chapter
Mobile Computing	26/02/2010	STC Pollachi
Context Aware Computing	27/02/2010	
Wi-Fi technology	02/03/2010	Thiagaraja College of Arts and Science
Overview of Algorithms – Simple to Complex	19/03/2010	JMC, Trichy
Research Directions in Computer Applications	20/03/2010	KLNIT, Madurai
E-Applications	17/07/2010	NITT
E-Learning and ICT in Current Scenario	04/08/2010	Aruanai Engg. College, Tiruvannamalai
Mobile Communications	14/08/2010	Sengunthar College of Engineering, Tiruchengode.
XML	09/09/2010	St.Joseph's College, Trichy
XML	17/09/2010	MAM College of Engg. Siruganoor, Trichy.
Ubiquitous Computing	17/09/2010	
Web Technologies	18/09/2010	Pavai College of Engineering, Namakkal
Pervasive Computing	21/10/2010	Kalasilingam University.
Design Patterns	15/12/2010	Oxford Engineering College, Trichy
Algorithms	20/01/2011	Bharathiar University, Coimbatore
Cloud Computing	05/02/2011	Mahindra College of Engineering
Technologies for e-Learning	24/02/2011	Ethiraj College
W3C Activities	29/03/11	Institution of Engineers Meet, Trichy Chapter
SOA and Web Services	01/04/2011	King's College of Engineering.
Pervasive Computing	07/04/2011	King's College of Engineering.
XML	28/07/2011	KLNCE
OOPS	06/08/2011	VelTech
Web Computing	13/09/2011	MKU, Madurai

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Web To Cloud	29/09/2011	Cauvery College for Women
Elearning	05/11/11.	PSG Tech, Coimbatore
Network Security	12/01/2012	Periyar Centenary Polytechnic College, Vallam, Tanjore.
Application of Graph Theory in Computer Science	19/01/2012	Holy Cross College, Trichy
Graph Databases	10/02/2012	SDNB Vaishnav College, Chennai
Web Technologies	25-03-2012	St.Joseph's College, Trichy
Emerging Trends in Advanced Computing	30/04/2012	Jayaram College of Engineering, Trichy
Internet of Things	14/12/12	JJ College of Engg. Technology, Trichy
Elearning and Web Services	16/05/2012	MCET Pollachi.
Robotics	19/10/2012	Cauvery College of Engg. And Technology
Concepts and Technologies for Web Services	20/09/2012	MSEC, Kilakkarai
Technologies for Teaching and Learning	12/02/2013	NIT Trichy
Emerging Trends in E-Governance and Cloud Computing	15/03/2013	Periyar University
Internet of Things	20/03/2014	PSNACET
Data Mining for Secured Applications	22/03/2014	PSN College of Engineering and Technology, Tirunelveli.
Multimedia Teaching Methods	09/12/2014	King's College of Engg. Pudukkottai
Semantic Web	23/05/2014	Alagappa Chettiar College. of Engineering & Technology, Karaikudi
Location Based Services	04/09/2015	CSI Trichy Chapter
Mathamtics Behind Mobile Games	12/12/2015	St.Joseph's College
Personalized E-Learning	24/02/2016	Bharathidasan University, Trichy
Web Technologies and Next Levels	27/02/2016	Alagappa Chettiar College of Engg.
Facing the Complexities of Technology Stack	04/03/2016	Arunai Engineering College, Tiruvannamalai.
Networking	May 2016	Alagappa Chettiar College.

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19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	ISTE	23234 - 1997
Life Member	CSI	00172767 - 2008

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Sri Lanka	2015	Woman Awareness program in Entrepreneurship (CEDI)

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page no	Year	Impact Factor
Nandhini, K, & Balasundaram.S.R	Improving Readability through Individualized Summary Extraction, Using Interactive Genetic Algorithm.	Applied Artificial Intelligence	30(7),	635-661	2016	
Sheba, Selvam, B. Ramadoss, & Balasundaram S.R	Geo distance-based event detection in social media.	International Journal of Computational Intelligence Studies	4.1	87-101	2015	
Nandhini, K, & Balasundaram S.R	Individualised training sheet composition of math word problems for learners with reading difficulties using genetic algorithm	International Journal of Technology Enhanced Learning	7(2)	160-177	2015	
Shanthi, P., & Balasundaram.S.R	A graph-based cloak algorithm to preserve location privacy in location-based services.	International Journal of Information Privacy, Security and Integrity	2(2)	138-158	2015	

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Nandhini, K, & Balasundaram S.R	Extracting easy to understand summary using differential evolution algorithm	Swarm and Evolutionary Computation	16	19-27	2014	
Nandhini, K., & S.R.Balasundaram	Improving readability through extractive summarization for learners with reading difficulties	Egyptian Informatics Journal	14(3)	195-204	2013	
Nandhini, K., & S.R.Balasundaram	Use of genetic algorithm for cohesive summary extraction to assist reading difficulties	Applied Computational Intelligence and Soft Computing	20(1)	8	2013	
Prema, P., B. Ramadoss, & S.R.Balasundaram	Identification and deletion of duplicate subtrees in classification tree for test case reduction	International Journal of Information Systems and Change Management	6(4)	374-388	2013	
Prema, P., B. Ramadoss, & S.R.Balasundaram	An Algorithm for Merging Two Classification Trees for Test Case Construction	International Journal of Computer Systems Science & Engineering,	28(4)	-	2013	
A.Saravanan & S.R.Balasundaram	Pruning Strategies to Refine Resource List for NN Queries in Location based Services	Procedia Technology	38	598-605	2012	
Akhilan S. & S.R.Balasundaram	Personalization of Automobile News Documents Using Genetic Algorithm.	Procedia Technology	38	2930-2938	2012	
Akhilan S. & S.R.Balasundaram	Significance of Object Size Based Caching Algorithms for Personalized Web Applications	International Journal of the Computer, the Internet and Management	18(1)	9-14	2010	
A.Saravanan & S.R.Balasundaram	Suggesting Resource Locations in Mobile Environment	International Journal of Engineering and Technology	2(1)	61-64	2010	

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A.Saravanan & S.R.Balasundaram	Resource Identification Using Mobile Queries	Aceee International Journal on Communication	3(4)	-	2010	
A.Saravanan & S.R.Balasundaram	Location Prediction Mechanisms for Tracking Lost Unmanned Vehicles	International Journal of Computer Science and Network	9(12)	231-237	2009	
A.Saravanan & S.R.Balasundaram	E-trainer for People with Learning Disabilities	International Journal of Recent Trends in Engineering	2(4)	-	2009	
Akhilan S. & S.R.Balasundaram	Improved Perfecting Methodology to Enhance Web Personalization	International Journal of Recent Trends in Engineering	2(4)	-	2009	
S.R.Balasundaram & B.Ramadoss	Assessment Using Multi-Criteria Decision Approach For 'Higher Order Skills' Learning Domains	International Journal of E-Learning	8(2)	241-262	2009	
S.R.Balasundaram & B.Ramadoss	SMS for Question-Answering in the m-Learning Scenario	Journal of Computer Science	3(2)	119-121	2007	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page no	Conference Theme	Venue	Year
Sheba, Selvam, B. Ramadoss, & Balasundaram S.R	Event Detection Refinement Using External Tags for Flickr Collections	In Intelligent Computing, Networking, and Informatics	369-375	-	-	2014
Shanthi, P., & Balasundaram.S.R	An Efficient Clique Cloak Algorithm for Defending Location-Dependent Attacks in Location Based Services	International Conference on Information and Communication Technology for Competitive Strategies	22	-	-	2014

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Akhilan S. & S.R.Balasundaram	Personalizing News Documents Using Modified Page Rank Algorithms	Intelligent Computing, Networking, and Informatics	1055-1061	-	-	2014
Vijayan, A. Santhana, and S.R.Balasundaram	Effective Web-service discovery using K-means clustering	Distributed Computing and Internet Technology	455-464	-	-	2013
Nandhini, K., & S.R.Balasundaram	Extracting and evaluating assistive summary for reading difficulties	Advances in Computing, Communications and Informatics	1082-1087	-	-	2013
Prema, P., B. Ramadoss, & S.R.Balasundaram	An approach for reduced test path set selection	International Conference on Advances in Computing, Communications and Informatics	191-196	-	-	2013
Nandhini, K., & S.R.Balasundaram	Significance of learner dependent features for improving text readability using extractive summarization	International Conference on Intelligent Human Computer Interaction	1-5	-	-	2012
Nandhini, K., & S.R.Balasundaram	Graph based single document summarization	Data Engineering and Management	32-35	-	-	2012
Nandhini, K., & S.R.Balasundaram	Grade level classification of math word problems to improve readability for learning disability	International Conference on Technology Enhanced Education	1-7	-	-	2012
A.Saravanan & S.R.Balasundaram	Enhancing context-aware services in mobile environment	International Conference on Emerging Trends in Science, Eng. & Technology	39-44	-	-	2012
Balasundaram S. R	Securing tests in E-learning environment	2011 International Conference on Communication, Computing & Security	624-627	-	-	2011
Nandhini, K., & S.R.Balasundaram	Improving Readability of dyslexic learners through document summarization	International Conference on Technology for Education-	246-249	-	-	2011

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Akhilan S. & S.R.Balasundaram	News personalization using enhanced term: document frequency (ETF-IDF) classification method	International Conference & Workshop on Emerging Trends in Technology	212-217	-	-	2011
Nandhini, K., & S.R.Balasundaram	Math word question generation for training the students with learning difficulties	International Conference & Workshop on Emerging Trends in Technology	206-211	-	-	2011
A.Saravanan & S.R.Balasundaram	Methodologies for handling 'destination unknown' range queries during mobility	International Conference on Emerging Trends in Networks and Computer Communications	429-433	-	-	2011
Prema, P., B. Ramadoss, & S.R.Balasundaram	Improving test coverage using merged classification tree	International Conference & Workshop on Emerging Trends in Technology	752-757	-	-	2011
Nandhini, K., & S.R.Balasundaram	Techniques for Generating Math Word Questions for Learning Disabilities	International Conference and workshop on Emerging Trends in Technology	45-50	-	-	2011
Akhilan S. & S.R.Balasundaram	Enhanced Term - Document Frequency Classification Approach for Personalizing News Items	International Conference and workshop on Emerging Trends in Technology	1-7	-	-	2011
Prema, P., B. Ramadoss, & S.R.Balasundaram	Combined Classification Tree Method for Test Suite Reduction	International Conference and Workshop on Emerging Trends in Technology	27-33	-	-	2011
A.Saravanan & S.R.Balasundaram	Managing Uncertainty of Mobile User's Travel Path In Location Based Services	International Conference on Data Engineering Communication Systems		-	-	
A.Saravanan & S.R.Balasundaram	Hybrid Model for Locating Lost Autonomous Vehicles	Geomatrix Conference on Geospatial Technologies and Applications-		-	-	2011

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B. Ramadoss, & S.R.Balasundaram	Using Ontology for Short Answers Assessment in E-Learning	International Conference on e-Education, e-Business		-		2011
Kannan, Rajkumar, Maria Bielikova, Frederic Andres, and S. R. Balasundaram.	Understanding honest feedbacks and opinions in academic environments	Fourth Annual ACM Bangalore Conference	21	-		2011
Kannan, Rajkumar, S.R.Balasundaram and Frederic Andres	The role of mulsemmedia in digital content ecosystem design	International Conference on Management of Emergent Digital Ecosystems	264-266	-		2010
Balasundaram S. R	Accessing educational videos— A personalized approach	International Conference on. Technology for Education	246-247	-		2010
Akhilan S. & S.R.Balasundaram	News Personalization Using Tournament Based Selection Method	Annual Conference of GAMS; Mathematics and Development of ICT		-		2010
A.Saravanan & S.R.Balasundaram	Enabling Location Based Services in Mobile Environment	International on Information Processing		-		2009
A.Saravanan & S.R.Balasundaram	Mobile Data Management for Integrated Medical Care Services	International Conference On health GIS		-		2009
Akhilan S. & S.R.Balasundaram	Cache Access Performance Up gradation By Search Keywords Representation Schemes	International Conference on Computing Technologies		-		2009
Akhilan S. & S.R.Balasundaram	Self-Development Status Indicators Using Classification Techniques	MTEP 09		-		2009
Nandhini, K., & S.R.Balasundaram	Use of Metaphors in e-learning Object Oriented Concepts	MTEP 09		-		2009
Balasundaram S.R & P.Kasirajan.	Sharing Success Stories and	International Conference on		-		2008

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	Experiences of Farmers-An Integrated Approach In E-Agriculture	Digitalizing - administration: Challenges and Issues in E-Governance				
Hemalatha & Balasundaram S.R	Reaching People through Refined Methods - An E-Awareness Initiative	International Conference on Digitalizing Administration : Challenges and Issues in E-Governance		-		2008
B. Ramadoss, & S.R.Balasundaram	Diversified Dimensions of Data – From e-Learning perspective	International Conference on Data Engineering and Management		-		2008
S.R.Balasundaram	Managing Multimodal Communications for Ensuring Quality in E-Learning	International Conference on Quality Enhancement in Educational Communication		-		2008
Balasundaram S.R & P.Kasirajan.	Design Issues for Irrigation Control A Pervasive Computing Approach	International Conference on Data Engineering and Management		-		2008
S.R.Balasundaram	Affective Domain in e-Learning: Issues & Challenges	International Conference on Active Teaching and Learning in Higher Education		-		2007
B. Ramadoss, & S.R.Balasundaram	Object Oriented Analysis Learning Tool using Collaborative Learning	7th International Conference on Information Technology based Higher Education	811-816	-		2006
B. Ramadoss, & S.R.Balasundaram	Management and selection of visual metaphors for courseware development in web based learning	International conference on Cybernetics and Intelligent Systems	1-6	-		2006
B. Ramadoss, & S.R.Balasundaram	Learning and Assessment using Pervasive Computing for Web Based Engineering Education	International conference on Information Technology Based Higher Education and Training	806-810	-		2006

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B. Ramadoss, & S.R.Balasundaram	Mobile Agents for Hybrid Assessment in Web Based Education	International Conference on Computer & Communication Engineering	7-10	-		2006
B. Ramadoss, & S.R.Balasundaram	Pervasive Computing for Web Based Psychomotor Education	The Proceedings of the 11th International CSI Computer Conference	575-579	-		2006
B. Ramadoss, & S.R.Balasundaram	Selecting Learning Objects using Recommender Systems for e-Learning Courseware Development	Proceedings of the International Conference on Systemic, Cybernetics and Informatics		-		2006
B. Ramadoss, & S.R.Balasundaram	Learner Status as Visual Metaphor in Learner-Centric Web Based Courses	Proceedings of the International Conference on Web Engineering and Applications		-		2006
B. Ramadoss, & S.R.Balasundaram	Web Technologies for Student Assessment in Distance Education	International Conference on Distance Education		-		2005
B. Ramadoss, & S.R.Balasundaram	Use of Graphic Tools for Effective E-Learning Systems	International Conference on Systemic, Cybernetics and Informatics	323-326	-		2005
B. Ramadoss, & S.R.Balasundaram	Improved Services through Citizen Data Warehouse	International Conference on Systemic, Cybernetics and Informatics	469-473	-		2004
B. Ramadoss, & S.R.Balasundaram	Aspects of Pervasive Computing for Web Based Learning	International Conference on Information Technology	419-425	-		2004
B. Ramadoss, & S.R.Balasundaram	Simplified Software Project Cost Estimation Model based on IBL	National Seminar on Discrete Mathematics and Applications & Annual Conference of Kerala Mathematical Association		-		2003

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B. Ramadoss, & S.R.Balasundaram	An Overview of Native XML Databases	National Seminar on “XML and Its Applications	-	2003
B. Ramadoss, & S.R.Balasundaram	Use of XML in Web Based Learning	National Seminar on “XML and Its Applications	-	2003
S.R.Balasundaram	Use of Polar Graphs in Software Engineering	Conference on Graph Theory and Applications	-	2001
Dr.S.Ragavan & S.R.Balasundaram	Medical Computing	conference on Advances in Computing	-	1998
Dr.S.Ragavan, S.R.Balasundaram & A.Meenakshi Sundari	Computerization of Obstetrics and Gynecology	Annual Conference of the Biomedical Society of India	-	1995

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Book				
A.S.Adikesavan and S.R.Balasundaram	Color Graphics using GW-BASIC		1992	
Book Chapters				
S.R.Balasundaram, John Roshy, B.Ramadoss, T.Balasunbramanian.	Smart Learning using Pervasive Computing Devices	IDEA Group – Encyclopedia IS & T, USA	2008	
S.R.Balasundaram, B.Ramadoss	Issues of Information Communication Technology (ICT) in Education	Kanishka Publishers Distributors, New Delhi, INDIA	2009	
S.R.Balasundaram, B.Ramadoss	Testing Guidelines for Developing Quality EAI Projects	IGI Book Chapter	2009	