



Dr. E. Ramaraj
Professor and Head

Contact

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Academic Qualifications: M.Sc., M.Phil., M.C.A., M.Tech., Ph.D.

Teaching Experience: 32 Years

Research Experience: 17 Years

Areas of Research

Data Mining, Network Security and Big Data & Analytics.

Research Supervision / Guidance

	Program of Study	Completed	Ongoing
Research	Ph.D.	31	8
	M.Phil.	50	7
Project	PG	140	-

Publications

International / National Journals	International / National Conferences	Books / Chapters / Monographs / Manuals
103	84	2

Cumulative Impact Factor (As per JCR) :

H - Index	:	11
i10- Index	:	11
Citations	:	840

Distinctive Achievements / Awards

1. **Dr. Mohan Best Teacher Award-2011** received from Tamil Nadu College of Education, Nainarpuram, Sivaganga District.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 9

1. Convenor, Two days International Workshop on Data Science and Analytics, 27th and 28th September 2016.
2. Convenor, Two days National Seminar on Advances in Computer Science (NSACS), 21st and 22nd October 2016.
3. Convenor, One Day Workshop on Public Key Cryptography and Key Distribution, 16th February 2017.
4. Organizing Secretary, Two Day Workshop on Career Prospects and Developments in Computer Science, 27th and 28th February 2017.
5. Convenor, National Conference on Emerging Trends in Computing, 13th and 14th March 2017.
6. Convenor, One Day Workshop on Algorithmic Thinking and Algorithmic Design, 18th July, 2017.
7. Convenor, Two Days Workshop on Android Application Development, 16th and 17th, December 2017.
8. Convenor, Two Days Workshop on Computational Science, technique for understanding and Solving Complex Real World Problems, 4th and 5th January 2018.
9. Convenor, National Conference on Cyber Security, 25th January 2018.

Events Participated

Conferences / Seminars / Workshops: 5

1. The Second International conference on Technology, knowledge & society
Hyderabad Organised by Common Ground Publisher Australia, 12-15 Dec 2005.
2. Third International conference on Mobile, Ubiquitous & pervasive computing,
Organised by VIT University Vellore, 18 & 19 Dec2006.
3. Two Days Faculty Development Programme on “J2EE and Best Practices in
Applications Development” organized by ICT Academy of Tamil Nadu, Chennai,
at Alagappa University, 8-9th October 2009.
4. Five Days Faculty Development Programme on “Cloud Infrastructure and
Services” organized by ICT Academy of Tamil Nadu, Chennai, at Alagappa
University from 23-02-2015 to 27-02-2015.
5. One-Day Workshop on “Design and Development of MOOCs for the faculty
members of Alagappa University and Affiliated Colleges” held on 8th
November, 2018.

Other Training Programs

1. Participated in the Refresher course, Academic Staff College, University of Hyderabad,
Hyderabad during 5-12-1994 to 31-12-1994.
2. Participated in "IT Application for Management of University Administration and
Examination Reforms in Higher Education, Indian Institute of Information Technology
Allahabad during 27-12-09 to 31-1-10.

Membership in

The Indian Society for Technical Education

Dr. E. Ramaraj, LIFE MEMBER of the society, an organization for promising the quality and standards in technical education -2019.

Editorial Board

1. Editorial member, Journal of Computer Science, Karpagam Publications (2005),
Coimbatore.

Academic Bodies (such as Board of Studies etc.)

1. Chairman, Board of Studies, Madurai Kamaraj University.

- Programmes:** M.C. A and B.C. A course (under Choice Based Credit System) from 2007 to 2010, M. Sc (IT) from 2017 to till Date
2. Member, Board of Studies, SNR College (AUT), Coimbatore.
Programmes: BCA, MCA, B.Sc (Computer Science) and M,Sc(Computer Science)
 3. Member, Board of Studies, Sree Saraswathi Thiyagaraja College (Autonomus), Pollachi.
Programme: M.C.A
 4. Member, Board of Studies, PSG Arts and Science College, Coimbatore.
Programmes: Computer Science courses
 5. Chairman, Question paper setting board, Bharathidasan University, Tiruchirappalli.
Programmes: M.C. A and M. Sc (Computer Science) for the year 2008-2009
 6. Member, Board of Studies, Karpagam College of Arts and Science, Coimbatore.
Programmes: PG and UG Computer Sciences (Syllabi revision) in 2005.
 7. Member, Board of Studies, Dr.G.R. Dhamodharan College of Science, Coimbatore.
Programmes: MCA (Syllabi revision) in 2005.
 8. Member, Board of Studies, Devanga Arts College, Arupukottai.
Programmes: M. Sc (CS & IT) in 2013-15.
 9. Chairperson, Alagappa University, Karaikudi.
Programmes:
M.Sc (CS & IT) in 2013-Till Date,
M.Phil (2017 – Till Date)
 10. Chairperson, Alagappa University, Karaikudi
Programmes : M.Sc(Computer Science), M.Phil(Computer Sciecne)

Others

Memberships in Academic Committees:

1. Subject Expert in Selection Committee for Professor and Assistant Professor in Computer Science at Mother Teresa University, Kodaikanal.
2. Subject Expert in Selection Committee for Assistant Professor in Centre for Information Technology and Engg., at Manonmaniam Sundaranar University, Tirunelveli.
3. Subject Expert in Selection Committee for Assistant Professor in Computer Science, Information System Manager at Madurai Kamaraj University, Madurai.

4. Subject Expert in Selection Committee for Lecturer in Computer Science at PSNA College of Engg, Dindukal.
5. Subject Expert in Selection Committee for Lecturer in Computer Science at Sri Kaliswari College, Sivakasi.
6. Member of commission for Affiliation of IT course in Alagappa University, Karaikudi
7. Member of Commission for affiliation of B.C.A, B.Sc Computer Science courses in Madurai Kamaraj University, Madurai.

Resource Person in Various Capacities

Number of Invited / Special Lectures delivered **25**

1. Chief Guest, "Big Data & Data Science-An Overview", Krishnasamy College Of Science, Arts And Management For Women, Cuddalore 04-March 2019.
2. Chief Guest, "Tribal Women Empowerment Via Emerging Technology, issues and Challenges", Mother Teresa University Women's University, Kodaikanal 24-07-2010.
3. Key-note address," Recent trends in Information Technology CAIT 08", J.J. College of Arts and Science, Pudukkottai, 27-02-2008.
4. Key-note address," National Conference on Network Security 2008", Department of Computer Science, S.T.Hindu College, Nagarkoil 26-09-2008.
5. Valedictory Address, "Current IT trends on National level Technical Symposium on TECHNOFEST 09", Bharathiyar College of Engineering and Technology, Karaikal 10-03-2009.
6. Key-note address, "Data mining and its Research Application for AICTE sponsored Faculty Development programme on FRONTIER OF INTELLIGENT COMPUTING ", Bharathiyar College of Engineering and Technology, Karaikal 01-08-2009.
7. Key-note address," Job opportunities in IT field" in ASTERIX 2010, Madurai Kamaraj University, Madurai 16-10-2010.
8. Inaugural address," Brain Disk and Drive in Southern states management meet GENESIS 2010", Nehru College of Management, Coimbatore 22-03-2010.
9. Chairperson," National seminar on fuzzy mathematical modelling in agriculture and waste land development", Khadir mohideen College, Adirampattinam 29-03-2009.
10. Key-note address," Network Security –SQL injection Attack" in State Level Seminar on Computing Intelligence, SVN College, Madurai 04-03-2010.

11. Chief Guest, "Wireless Communication, National level Technical symposium PHONENIX 2010", EBET Group of Institutions, Kangayam 03-04-2010.
12. Chief Guest," Cryptography and its network terminology, National Level Technical Seminar ", Vivekananda College, Thiruchengode 09-03-2010.
13. Key-note address, "Research issues Data Mining, National Conference on Soft Computing and Intelligent ", Bharathiyar College of Engineering and Technology, Karaikal (15-03-2008).
14. Chairperson, "UGC sponsored National Conference on Data warehousing and Datamining", Gopi Arts and Science College Gopichettipalayam 5-3-2011.
15. Key-note address," National Conference on Advanced Computing technology", Vidyaa Vikas college of Engineering and Technology, Thiruchengode.
16. Chairperson, "International Conference Electronic Computer Technology (ICECT-2012)", Kanyakumarri, 06-08 April 2012.
17. Chairperson, "National conference on Green Computing", S.T.Hindu College, Nagerkoil. 2012.
18. Chief Guest, "Techno Sem 2012-Inter college meet", Anandha College, Devakottai, 27-09-2012.
19. Organizer, "Computer Security Day", Alagappa University, Karaikudi, 21-12-2012.
20. Chairperson, "International conference on Computing and Information Technology", Computer Centre Alagappa University, Karaikudi 23-09-13 & 24-09-2012.
21. Chief Guest, "Emerging Trends in IT", Dr.Umayal Ramanathan College for Women, Karaikudi 27-09-2013.
22. Chairperson, "National Conference on Research Issues in Image Analysis & Mining Intelligence", Erode Arts & Science College (Autonomous), Erode 14-02-2015.
23. Key-note address, "Image Processing Application", Computer centre Alagappa University, Karaikudi 07.03.2014.
24. Key- Note Address, "Big data and Analytics", Dr. Umayal Ramanathan College for Women, Karaikudi, 30.09.2016
25. Inaugural Address, "Data Mining", Nachiappa Swamigal Arts and Science College, Koviloor, 14-02-2017.

Research Publications

1. Robin Rohit Vincent, **Dr. E. Ramaraj**(Feb 2019), "Optimum Buffer Node Selection for Queue Management using Honey Bee Algorithm in MANET ", Published in Asian Network for Scientific Information(indexed in SCIMAGO & SCOPUS),ISSN:1992-1454

2. Robin Rohit Vincent, **Dr. E. Ramaraj**(Dec-2018),“Service Differentiation for Achieving Fairness in Multi-traffic Class in MANET ”, in International Journal of Recent Technology and Engineering ,SCOPUS, ISSN:2277-3878.
3. S.Clement Virgeniya, **Dr. E. Ramaraj**(Dec-2018), “A Review On Different Analytics In IoT Big Data”, in International Journal Of Research And Analytical Reviews(IJRAR), ISSN NO: 2349-5138, Vol.5 Issue :12 Impact Factor-5.75.
4. S.Muthukumar, P.Geetha, **Dr. E. Ramaraj**(Dec-2018), “A Multilayered Back Propagation Algorithm to Predict Significant Attributes of UG Pursuing Students Absenteeism at Rural Educational Institution” in International Journal of Computer Sciences and Engineering(IJCSE), E-ISSN: 2347-2693, Impact Factor-3.022.
5. Robin Rohit Vincent, **Dr. E. Ramaraj**(July-2018), “Priority based Mutual Exclusion Algorithm with Starvation Avoidance for MANET”, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, SPRINGER (indexed by SCIMAGO),ISSN:0369-8203.
6. G.Alageswari, **Dr. E. Ramaraj**(2018), “ Extended Performance of multimodal disease risk prediction in machine learning using healthcare bigdata”, in International Journal Of Emerging Technologies and Innovative Research(IJETIR), ISSN NO:2349-5162, Impact Factor-5.87.
7. A.Jeeva Rathinam, **Dr. E. Ramaraj**(2018), “Advanced Technique of Improving Homomorphic Encryption Scheme Implementation into Cloud Computing”, in International Journal Of Emerging Technologies and Innovative Research(IJETIR), Vol.5 Issue.8, ISSN NO:2349-5162, Impact Factor-5.87.
8. A.Tamilselvi, **Dr. E. Ramaraj**(2018), “Bio-Enlivened Behavioural Investigation Of MANETs in Smart Cities”,in International Journal Of Computer Science And Engineering(IJCSE),Vol.6,Issue .9,ISSN No:2347-2693, Impact Factor-3.022.
9. K.Lavanya, **Dr. E. Ramaraj**(2018), “Collusion Liberated Data Sharing & Extraction Scheme For Dynamic Groups In Cloud”, in International Journal Of Computer Science And Engineering(IJCSE), ISSN No:2347-2693, Impact Factor-3.022.
10. C.Abinaya, **Dr. E. Ramaraj**(2018), “Offloading Scheme For Cloudlets Computation Tasks”, in International Journal Of Computer Science And Engineering(IJCSE), Vol.6.Issue.8, ISSN No:2347-2693. Impact Factor-3.022.
11. RV.Deepa, **Dr. E. Ramaraj**(2018), “Energy Preserves Task Scheduling In Heterogeneous Virtual Machine Framework”, in International Journal Of Computer Science And Engineering(IJCSE), Vol 6.Issue .8, ISSN NO: 2347-2693, Impact Factor-3.022.

12. KR.Sivabalan, **Dr. E. Ramaraj**(2018),"Satellite Impacts On Real Time Remote Sensing Applications-Technical Aspect",in International Organization Of Scientific Research,Vol.8(7),ISSN: 2278-8719,47-53, Impact Factor-1.645.
13. J.Vijayalakhmi, **Dr. E. Ramaraj**(2018), "Comparative Study Of Big Data Analytical Tools", in International Journal Of Pure And Applied Mathematics,Vol 119(7), ISSN:1314-3395,2018,825-833,Impact Factor-7.19
14. R.V.Shanthi , **Dr. E. Ramaraj**(2018), "An Enhancement Review On Image Segmentation Methods", International Journal of Advance Research(IJAR) Vol.6(2),ISSN:2320-5407, Impact Factor-6.047.
15. R.V.Shanthi , **Dr. E. Ramaraj**(2018), "An Efficient Approach In Image Segmentation Based On Energetic Self Organization Map", International Journal for Research in Engineering Application and Management Vol.4(2) ISSN : 2454-9150, Impact Factor-5.646.
16. **Dr. E. Ramaraj, K.Jamberi**(2017),"Multilevel Classification Algorithm using Diagnosis and Prognosis of Breast Cancer, in International Journal Of Data Mining Techniques and Applications Volume: 06, Issue: 02, December 2017, Page No.56-58 ISSN: 2278-2419, Impact Factor-4.893.
17. **Dr. E. Ramaraj, Shanthi** (2017), "Efficient Satellite Image Segmentation using Energetic Self Organizing Map", in International Journal of Innovative Science and Research Technology, ISSN:2456-2165, Vol.2(6),233-240, Impact Factor-5.15
18. **Dr. E. Ramaraj, Shanthi**, (2017), "Natural Gray Image Segmentation Using Dwt, Dct and Som", in International Journal of Advanced Computer Technology (IJACT) P.P 41-47, ISSN:2319-7900, Impact Factor-2.798
19. KR.Sivabalan, **Dr. E. Ramaraj**(2017), "Pixel Based Phenology Method for Satellite Image Environment Classification – Supervised Approach", International Journal of Advance Research in Computer Science Vol. 5(7), ISSN: 2321-7782, pp. 121-129,Impact Factor-6.047.
20. KR.Sivabalan, **Dr. E. Ramaraj**(2017) "Band Value Based Reflective Image Classification Method to Classify the Satellite Image Environment", International Journal of Engineering and Technology Vol. 5(7), ISSN: 2321-7782, pp. 3630-3635. DOI : 10.21817/ijet/2017/v9i5/170905323,Impact Factor-3.54.
21. N.Sivranjani, **Dr. E. Ramaraj**, "Privacy Preserving Public Accounting for Secure Cloud Storage", International Journal Of Knowledge Based Computer Systems,Vol 5(1),ISSN:2321-5623, Impact Factor-4.396.

22. V.Sameswari and **Dr. E. Ramaraj**, "Priority Based Hybrid On-Demand Routing Protocol in MANET", Australian Journal of Basic and Applied Sciences 10 (2) Special 2016, PP. 212-223, Scopus Indexed, Impact Factor-0.786.
23. P.Geetha and **Dr. E. Ramaraj**, "Tree Based Space Partition of Trajectory Pattern Mining for Frequent Itemset", Australian Journal of Basic and Applied Sciences 10 (2) Special 2016, PP. 212-223, Scopus Indexed, Impact Factor-0.786.
24. D. Napoleon, **Dr. E. Ramaraj**, "An Adaptive Fuzzy C- Means Algorithm for the Color Feature Extraction in Remote Sensing Images", International Journal of Innovative Trends in Engineering (IJITE), Vol. 04, No. 01, ISSN: 2395-2946, PP. 39-41, 2015, Impact Factor-3.87.
25. J. Saravanesha and **Dr. E. Ramaraj**, "Scalable Push Pull architecture for retrieving student information request and response with data wrappers", International Journal of Engineering and Computer Science, Vol. 4, Issue. 1, Page No. 10127-10131, ISSN: 2319-7242, Jan-2015, Impact Factor-4.091
26. D.Napoleon, **Dr. E. Ramaraj**, "An Efficient Fuzzy Cylindrical Partial Relations Clustering Algorithm for the Classification of Remote Sensing Images", European Journal of Scientific Research, Vol. 127, No. 4, ISSN 1450-216X, Dec-2014, Impact Factor-0.63
27. AV.Karthick, **Dr. E. Ramaraj**, "Reservation and On-Demand Priority Based Queue Job Scheduling for Cloud Computing", International Journal of Emerging Trends in Computing and Communication Technology, PP. 1-5, ISSN: 2348 4454, Vol. 2, No. 1, Nov. 2014, Impact Factor-8.502
28. D.Napoleon, **Dr. E. Ramaraj**, "An Improved Way of Segmentation and Classification of Remote Sensing Images using Kernel Induced Possibilistic C-Means Clustering Algorithm with Statistical Measures", IJSRD - International Journal for Scientific Research & Development, Vol. 2, Issue 09, ISSN (online): 2321-0613, 2014, Impact Factor-4.396
29. D.Napoleon, **Dr. E. Ramaraj**, "An Efficient Segmentation of Remote Sensing Images For The Classification of Satellite Data Using K-Means Clustering Algorithm", IJIRST - International Journal for Innovative Research in Science & Technology, Vol. 1, Issue. 6, ISSN (online): 2349-6010, Nov-2014. Impact Factor-5.15
30. R.Sridevi, **Dr. E. Ramaraj**, "A Novel Approach for Multidimensional Quantitative Association Rule Mining", European Journal of Scientific Research, ISSN 1450-216X / 1450-202X Vol.117 No.3 pp.458-469, January 2014, Impact Factor-0.63.

31. R. Sridevi, **Dr. E. Ramaraj**, "Multidimensional Quantitative Rule Generation Algorithm for Transactional Database", International Journal of Computer Applications, Volume 99 - Number 2, August 2014, Impact Factor-3.12.
32. V.Sameswari, **Dr. E. Ramaraj**, "A Study of Table- Driven and On- Demand Routing Protocols in MANET", International Journal of Computer Technology and Applications, Vol. 5(2), 522-529, ISSN: 2229-6093, IJCTA March- April 2014, Impact Factor-4.080
33. P.Geetha, **Dr. E. Ramaraj** (2014), "A Frequent Trajectory Path Mining Using Bit Mask Search and UP Growth+ Algorithm", Computing and Communication Technologies (WCCCT), 2014 World Congress on, IEEE Xplore, March-2014, pp.17 - 20 ISBN: 978-1-4799-2876-7 .
34. K.Kavitha, **Dr. E. Ramaraj** "An Adequate Approach for Actionable Pattern using Combined and Composite Association Rule Mining", Universal Journal of Applied Computer Science and Technology, Vol. 3(2), PP. 387-393, ISSN: 2250-0987, April-2013.
35. R. Sridevi, **Dr. E. Ramaraj**, "A General Survey on Multidimensional And Quantitative Association Rule Mining Algorithms", International Journal of Engineering Research and Applications, ISSN: 2248-9622 www.ijera.com Vol. 3, Issue 4, pp.1442-1448, Jul-Aug 2013, Impact Factor-5.179
36. R. Sridevi, **Dr. E. Ramaraj** "Finding Frequent Patterns Based On Quantitative Binary Attributes Using FP-Growth Algorithm, International Journal of Engineering Research and Applications, ISSN: 2248-9622, Vol. 3, Issue 6 pp.829-834, Nov-Dec 2013, Impact Factor-5.179.
37. K.Kavitha, **Dr. E. Ramaraj**, "Comparing Various Approaches of Frequent Pattern Mining with Combined Association Rule", European Journal of Scientific Research, ISSN: 1450-216x, July-2013, Impact Factor-0.63.
38. K.Kavitha, **Dr. E. Ramaraj**, "Efficient Transaction Reduction in Actionable Pattern Mining for High Voluminous Datasets Based on Bitmap and Class Labels", International Journal of Computer Science and Engineering, Vol. 5, July-2013, Impact Factor-3.022.
39. K.Kavitha, **Dr. E. Ramaraj**, "IP-FPM: An Efficient Algorithm for Intensified Priority Based Frequent Pattern Mining", European Journal of Scientific Research, Vol. 95, Issue. 2, ISSN: 1450-216x, Jan. 2013, Impact Factor-0.63.
40. V.Mathivanan, **Dr. E. Ramaraj**, "Adjusted Probabilistic based route discovery process in mobile ad hoc networks", International Journal of Computer Science and

- Information Security (IJCSIS), ISSN: 1947-5500, Vol. 10 No. 2 FEB 2012, pp. 50-54, Impact Factor-0.553
41. K.Kavitha, **Dr. E. Ramaraj**, "Knowledge Discovery Approach in Shopping Complex Database (ASCD)", International Journal of Computer and Organization Trends, Vol. 2, ISSN: 1450-216x, June-2012, Impact Factor-2.11.
 42. N. Chenthalir Indira, **Dr. E. Ramaraj**, "Superior SOM Neural network based minute significant watermark generator and Detector Systems", International Journal of computer applications vol 19 No.4 April 2011 pp 8-13, Impact Factor-3.12
 43. V. Mathivanan, **Dr. E. Ramaraj**, "Performance Enhancement of AODV Routing Protocol Based on Network Density", International Journal of Engineering and Innovative Technology (IJEIT), ISSN: 2277-3754, Vol. 1, No. 5, PP. 37-44, May-2012.
 44. K.Kavitha, **Dr. E. Ramaraj**, "Mining Actionable Patterns Using Combined Association Rules", published in International Journal of Current Research, Vol. 4, pp.117-120, ISSN: 0975- 833x Jan.2012, Impact Factor-7.749
 45. RM.Vidhyavathi and **Dr. E. Ramaraj**, "Ontology Building Web Information Retrieval System Using Association Rule Mining", is published in International Journal of Computational Intelligence and Information Security, October 2011, Vol 2 No.10, pp: 54-66, (ISSN 1837-7823), Impact Factor-5.58
 46. A. Sumitra, **Dr. E. Ramaraj**, "Software Security Risk Mitigation with Historical Information", International Journal of Application or Innovation in Engineering and Management, Vol. 1, Issue. 2, ISSN: 2319-4847, October-2012.
 47. J. Saravanesh and **Dr. E. Ramaraj**, "Scalable Transaction Authorization Using Role Based Access Control for Time Based Content Access with Session Management", International Journal of Engineering Research and Development, Vol. 5, Issue. 5, ISSN: 2278-800X, Dec-2012, Impact Factor-4.61
 48. **Dr. E. Ramaraj** and P.Radha, "Classifying the Depression Data Polynomial Discriminant Vectors", CIIT Journal, April-2012.
 49. V.Mathivanan, **Dr. E. Ramaraj**, "An Analysis of Probabilistic Route Discovery Mechanism based on Node Mobility", International Journal of Engineering and Innovative Technology (IJEIT), ISSN:2277-3754, Vol. 1 No.2 Feb 2012, pp.57-63.
 50. A. Sumitra, **Dr. E. Ramaraj**, "A Genetic Algorithmic Approach to the Identification of the Crucial Human Factors Involved in the Development of Secure Software", International Journal of Emerging Trends and Technology in Computer Science, Vol. 1, Issue. 2, ISSN: 2278-6856, Aug. 2012, Impact Factor-8.502.

51. RM.Vidhyavathi and **Dr. E. Ramaraj**, "Ontology Based Association Rule Mining Algorithms for Intelligent Decision Making", European Journal of Scientific Research, Vol. 100, No.2, April-2013, issue (Scopus, SCI), Impact Factor-0.63
52. V. Mathivanan, **Dr. E. Ramaraj**, "An Analysis of Probabilistic Route Discovery Mechanism Based on Node Mobility", International Journal of Engineering and Innovative Technology and Creative Engineering (IJEIT), ISSN: 2277-3754, Vol. 1, No. 2, PP. 57-63, Feb-2012.
53. RM. Vidhyavathi, **Dr. E. Ramaraj** N. Venkatesan, "A Study of Mining Web Intelligent Information", International Journal of Emerging Technology and Advanced Engineering, www.ijetae.com, ISSN 2250-2459, Vol. 2, Issue. 9, Sep-2012.
54. RM.Vidhyavathi and **Dr. E. Ramaraj**, "An Ontology-Based Information Retrieval System Using Apriori and Semantic Search", is published in European Journal of Scientific Research, Vol. 92 No. 3, Dec-2012, issue (Scopus, SCI), Impact Factor-0.63
55. V. Mathivanan, **Dr. E. Ramaraj**, "Adjusted Probabilistic Based Route Discovery Process in Mobile Adhoc Networks", International Journal of Computer Science and Information Security (IJCSIS), ISSN: 1947-5500, Vol. 10, No. 2, PP. 50-54, Feb-2012, Impact Factor-0.553.
56. V. Mathivanan, **Dr. E. Ramaraj**, "An Analysis of Fixed Probabilistic Route Discovery Mechanism Using On-Demand Routing Protocols", International Journal of Innovative Technology and Creative Engineering (IJITCE), ISSN: 2045-8711, Vol. 1, No.12, PP. 20-27, Dec. 2011, Impact Factor-1.04.
57. A. Sumitra, **Dr. E. Ramaraj**, "Software Security Assurance-Value Addition Provided by Tools", International Journal of Software Engineering Research and Practice, Vol. 1, Issue. 4, ISSN: 2231-2048, Oct-2011.
58. Indrani Balasundaram, **Dr. E. Ramaraj**(2011), "An Authentication Mechanism to prevent SQL Injection Attacks", International Journal of Computer Applications", 0975-8887, Volume 19 – No.1, pp 30-33, April 2011, Impact Factor-0.26.
59. **Dr. E. Ramaraj**, N.Venkatesan, (2011) "High Performance Bit Search Mining Technique", International Journal of Computer Applications, Published by Foundation of Computer Science, Vol. 14 No. 2, pp.15-21, Impact Factor-0.26.
60. Indrani Balasundaram, **Dr. E. Ramaraj**, "An Efficient authenticated query encryption scheme for preventing SQL Injection Attack(AQE-PSQLIA)", International Journal of Computer Science, Systems Engineering and Information Technology,4(1),2011, pp87-91.

61. Indrani Balasundaram, **Dr. E. Ramaraj** (2011), "An Authentication Scheme for preventing SQL Injection Attacks Using Hybrid Encryption Technique", European Journal of Scientific Research, ISSN 1450-216X, Vol.53 No.3, pp. 359-368, Impact Factor-0.63
62. Indrani Balasundaram, **Dr. E. Ramaraj** (2011), "X-Log Authentication Techniques to Prevent SQL Injection Attacks", International Journal of Information Technology and Knowledge management, Volume 4, No.1, pp.323-328, Impact Factor-5.2
63. K.Subramanian, **Dr. E. Ramaraj**, "A new reachability based algorithm for outlier detection in multidimensional dataset", Journal of theoretical and applied information Technology, ISSN NO 1992-8645, pp 1-9, Impact Factor-0.33.
64. **Dr. E. Ramaraj**, N.Venkatesan,(2011), "Mining Highly qualitative multidimensional association Rules", International journal of Data mining and knowledge Engineering, ISSN 0974-9683 & online ISSN 0974-9578.vol. 3 No.1, pp 1-7
65. Indrani Balasundaram, **Dr. E. Ramaraj** (2011) "An Approach to Detect and Prevent SQL Injection Attacks in Database Using Webservice", International Journal of Computer Science and Network Security, Vol.11 No .1.
66. **Dr. E. Ramaraj**, N.Venkatesan, "An Efficient Implementation of Eclat using Sparse Bit Mask Search", International Journal of multimedia, Computer vision and Machine learning, July to December 2010, Vol 1, No.2 pp 135-142.
67. A.Sumithra, **Dr. E. Ramaraj**, Mr. T.Sreeramkumar, "A Strategic Approach for Risk Analysis of Production Software System", International journal of computer Application (0975-8887), Vol 10 No. 2- Nov 2010, Impact Factor-0.26.
68. **Dr. E. Ramaraj** A. Padmapriya, (2010), "Congestion hot spot identification using HITS and improving Quality of Service", International Journal of Computer Science and Network Security, Vol: 10, No.8, pp: 34-40.
69. **Dr. E. Ramaraj**, K.Ramesh kumar (2009), "A Novel Efficient Data Structure to Mine Frequent Itemset", CIIT International Journal of Data Mining and Knowledge Engineering, Vol.1 No.3, June 2009, pp.113-118. (Print: ISSN:0974-9683 & Online: ISSN:0974-9578).
70. **Dr. E. Ramaraj**, N.Venkatesan (2009) Bit Stream Mask-Search Algorithm in Frequent Itemset Mining, European Journal of Scientific Research, Vol.27 No.2 (2009), pp.286-297, Impact Factor-0.63.
71. **Dr. E. Ramaraj**, K.Ramesh kumar, (2009) "*nVApriori : A novel approach to avoid irrelevant rules in association rule mining using n-cross validation technique*",

- International Journal of Advances in soft computing and its applications (IJASCA), Vol.1, No.2, pp.132-150.(ISSN:2074-8523)
72. **Dr. E. Ramaraj**, N.Venkatesan, (2009) An efficient pattern mining analysis in health care database, Journal of Theoretical and Applied Information Technology, Vol.4.No.10, pp.549-555 (E-ISSN 1817-3195 / ISSN:1992-8645), Impact Factor-0.33.
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