

Cellphone : 9710814484

e-Mail ID : sumalatha@annauniv.edu

Address : No.4, 12 th Block, Mugappair East, Vellamal School  
back gate, Chennai-600 037.



## Present Position

Associate professor, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai from June-2012.

## Present Additional Responsibility

- Deputy Director, Centre for Technology Development and Transfer, Anna University, Chennai from January-2015.

## Previous Positions

- Assistant Professor, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during October-2008 and June-2012.
- Assistant Professor, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during January-2006 and October-2008.
- Lecturer, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during July-2004 and January-2006.
- Teaching Research Associate, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during October-2002 and July-2004.
- Guest Faculty, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during June-2002 and October-2002.

## Previous Additional Responsibility

- , , Anna University, Chennai.

## Other Employment

- , .

## Degree

- ❖ M.E. in ELECTRONICS, MADRAS INSTITUTE OF TECHNOLOGY, ANNA UNIVERSITY (1999 - 2001).

- ❖ B.E. in COMPUTER SCIENCE ENGINEERING , BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, MADRAS UNIVERSITY (1995 - 1999).

## Research Degree

- ❖ Ph.D. in INFORMATION RETRIEVAL AND MANAGEMENT SYSTEMS from Faculty of INFORMATION AND COMMUNICATION ENGINEERING, MADRAS INSTITUTE OF TECHNOLOGY, ANNA UNIVERSITY (2002 - 2009).  
Title: SEMANTIC CACHING USING DYNAMIC FACTS FOR EFFECTIVE INFORMATION RETRIEVAL FROM XML DATABASES .

## Area of Specialisation

- Data Analysis,Distributed and Cloud Computing,Social Networks

## Membership in Professional Organization

- IEEE

## Research Guidance

Number of Ph.D Scholars Guided	: 1
Number of Ph.D Scholars Guiding	: 9
Number of M.E./ M.Tech. Projects Guided	: 15
Number of M.E./ M.Tech. Projects Guiding	: 2
Number of Ph.D Scholars Guiding as Joint-Supervisor	: 1

## Papers Published in Journals

Research Papers Published in International Journals	: 16
Research Papers Published in National Journals	: 0

1. Sumalatha M.R., Vaidehi V. and Kannan A, "Semantic Query Cache using Dynamic Facts - Novel Approach to Efficient Information Retrieval", International Journal of Metadata, Semantics and Ontologies(IJMSO), published by Inderscience Publishers. pp. 281-294 (2007).
2. Sumalatha M.R., Vaidehi V. and Kannan A, "Xml Query Processing - Semantic Cache System" International Journal of Computer Science and Network Security", International Journal of Computer Science and Network Security, pp. 164-169 (2007).
3. Sumalatha M.R., Sindhuja V. and Sathya.M., " Detection of Anomalous Data using Data Visualization Techniques", International Journal of Recent Trends in Engineering, pp. 133-136 (2009).

4. Sumalatha M.R., Gowrishankar P., Balamurali R. and Jayakandan R, " Discovery of Semantic Web Services Using Intelligent Predictions for Business Applications", CiiT International Journal of Data Mining and Knowledge Engineering, (2009).
5. Sumalatha Ramachandran, Sujaya Paulraj, Sharon Joseph and Vetriselvi Ramraj, " Enhanced Trustworthy and High-Quality Information Retrieval System for Web Search Engines", IJCSI International Journal of Computer Science Issues, pp. 38-42 (2009).
6. 6. Sumalatha Ramachandran, Sujaya Paulraj, Sharon Joseph and Vetriselvi Ramraj, "Handling Overload Conditions in High Performance Trustworthy Information Retrieval Systems", Journal of Computing, pp. 70-75 (2010).
7. Sumalatha Ramachandran, Uttara Sridhar, Vidhya Srinivasan and J. Jaya Jothi, " Data aggregation and Privacy for Police Patrols" International Journal of Ad hoc, Sensor & Ubiquitous Computing", pp. 0976-2205 (2011).
8. Diwan B., Sumalatha, ""Mobility Prediction and Critical Nodes Based Database Transactions using Relay Nodes in MANETs ", European Journal of Scientific Research, Vol. 82, Issue 3, pp. 407-413. (2012).
9. M.R. Sumalatha, C. Selvakumar, B. Jagadeesh, V. Bhoopesh Kumar and R. Baluprasad, "An Intelligent Cloud System Adopting File Pre-Fetching", Asian Journal of Information Technology, published by Medwell Journals. Issue 5, pp. 181-185 (2012).
10. Sumalatha.M.R, Sridhar. S, Satish G, "A Novel Thin Client Architecture With Hybrid Push-Pull Model, Adaptive Display Pre-Fetching And Graph Colouring", International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC), published by AIRCSE, PUB-ID-103-504-325. Issue 11, pp. 67 - 77 (2012).
11. Jagadeesh Balasubramaniyan and Sumalatha Ramachandran, " An Intelligent Cloud System Adopting File Pre-Fetching", Lecture Notes in Computer Science, published by Springer. Issue 10, pp. 19-27 (2012).
12. Narayan Gowraj, Prasanna Venkatesh, Mouniga V, and M.R.Sumalatha, ""S2MART: Smart Sql to Map-Reduce Translators"" , Springer, LNCS , Vol. 7808, pp. pp. 571-582 (2013).
13. Sumalatha M.R, Parthiban M, ""Improving Strucrural Testing Using GASE Algorithm " ", International Arab Journal of Information Technology (IAJIT), (2014).
14. M.R.Sumalatha, B.Diwan, ""Cluster Heads Considering Relay Node in Mobile Ad Hoc Network " ", The National Academy of Sciences, Springer, Procs.Natl.Acad.Sci.,India,Sect.A Phys.Sci., published by SPRINGER. Vol. 85, Issue 2, pp. 227-234 (2015).
15. M.Ananthi, M.R.Sumalatha, " Timestamp Embedding Query Stream Processing Engine", Indian Journal of Science and Technology, Vol. 8, Issue 27, pp. 1-6 (2015).
16. M.R.Sumalatha, M.Ananthi, "Efficient Stream Processing Engine for Linked Stream Data to improve QOS Parameters", Asian Journal of Information Technology, published by Medwell Journals. (2015).

## Papers Presented in Programmes

Research Papers Presented in International Programmes : 44  
Research Papers Presented in National Programmes : 0

1. "Integrating WSN with Web Services for Patient's Record Management using RFID" presented in a International level conference on IACC, 2013, organised by Ajay Kumar Garg Engineering College Ghaziabad (AKGEC), India, India .
2. "Highly correlated feature set selection for data clustering" presented in a International level conference on ICRTIT 2014, organised by MIT Campus, Anna University, India .
3. "Information Retrieval in Distributed Data Centers Using Linked Data and Rule Decisions" presented in a International level conference on ICRTET 2016,, organised by St.Joseph Engineering College, India .
4. "Load Balancing Using Improved Persistence by Cookie Insertion Method" presented in a International level conference on ICRTIT 2016, organised by MIT, Anna University, India .
5. "SECURE DATA SHARING USING AGGREGATE KEY FOR SENSITIVE DATA" presented in a International level conference on SECURE DATA SHARING USING AGGREGATE KEY FOR SENSITIVE DATA, India .
6. "A resource allocation based multi-Cloud providers for VoD applications" presented in a International level conference on ICoAC 2014, organised by ICoAC 2014, India .
7. "Dynamic secure storage system in cloud services" presented in a International level conference on ICRTIT, 2014, organised by Anna University, India .
8. "CLBC-Cost effective load balanced resource allocation for partitioned cloud system" presented in a International level conference on ICRTIT, 2014, organised by MIT, Anna University, India .
9. "SCA-An energy efficient transmission in sensor cloud" presented in a International level conference on ICRTIT, 2014, organised by MIT, Anna University, India .
10. "Highly correlated feature set selection for data clustering" presented in a International level conference on ICRTIT,2016, organised by MIT, Anna University, India .
11. "A Cost-Effective Approach towards Storage and Privacy Preserving for Intermediate Data Sets in Cloud Environment" presented in a International level conference on ICRTIT 2014, organised by MIT, Anna University, India .
12. "Keyword Search Retrieval for Structured data using RDF for E-learning application" presented in a International level conference on ICoAC, 2013, organised by MIT, Anna University, India .
13. "RIRM-Fault tolerant execution incorporating ROC for multitier transactional applications" presented in a International level conference on ICoAC 2013, organised by MIT, Anna University, India .
14. "SK-IR: Secured keyword based retrieval of sensor data in cloud" presented in a International level conference on ICRTIT, 2013, organised by MIT, Anna University, India .
15. "Concept based document management in cloud storage" presented in a International level conference on ICRTIT 2013, organised by MIT, Anna University, India .

16. "Slack time scheduling for managing database transactions in mobile ad-hoc networks" presented in a International level conference on ICRTIT 2013, organised by MIT, Anna University, India .
17. "Secured data storage and error tolerant design in cloud computing" presented in a International level conference on ICRTIT 2013, organised by MIT, Anna University, India .
18. "SVM-instance based approach to improve QoS parameters for time critical applications in WSN" presented in a International level conference on ICoAC, 2012, organised by MIT, Anna University, India .
19. "Preventing Forest Animals from Train Accidents Using Outlier-Analysis Algorithm in WSN" presented in a International level conference on ICIS 2012, organised by MIT, Anna University, India .
20. "Outlier analysis-pattern mining (OAPM) algorithm in wireless sensor networks" presented in a International level conference on ICRTIT,2011, organised by MIT, Anna University, India .
21. "REDD: Redundancy Eliminated Data Dissemination in Cluster Based Mobile Sinks" presented in a International level conference on ICRTIT, 2011, organised by MIT, Anna University.
22. "Enhancing the Performance of XML Query Processing-Semantic Cache System" presented in a International level conference on ADCOM 2006, organised by NIT, Surathkal, India .
23. Sumalatha M.R., Vaidehi V. and Kannan A, "Building an Efficient Fine Tuned Semantic Query Cache Using Dynamic Facts" presented in a International level conference on Peradeniya, organised by Peradeniya, Peradeniya, SRILANKA from 08-Aug-2006 to 11-Aug-2006.
24. Sumalatha M.R., Vaidehi V. and Kannan A, "Enhancing the Performance of Xml Query Processing - Semantic Cache System" presented in a International level conference on ADCOM 2006, organised by National Institute of Technology Karnataka (NITK), Surathkal ,INDIA from 20-Dec-2006 to 23-Dec-2006.
25. Sumalatha M.R., Vaidehi V., Kannan A. and Anandhi A, "Semantic Caching and Query Processing for Efficient Information Retrieval in Large Scale Databases' " presented in a International level conference on International conference on computer science, organised by Sethu Institute of Technology. Dept. of Computer Science and Engineering, Sethu Institute of Technology. Dept. of Information Technology, Information , Madurai, INDIA from 09-Feb-2007 to 10-Feb-2007.
26. Sumalatha M.R., Vaidehi V., Kannan A., Rajasekar M. and Karthigaiselvan M., "Dynamic Rule Set Mapping Strategy for the Design of Effective Semantic Cache" presented in a International level conference on IEEE conference,, organised by IEEE Daejeon Section, Phoenix Park, Korea from 12-Feb-2007 to 14-Feb-2007.
27. Sumalatha M.R., Vaidehi V., Kannan A. and Anandhi A, "Information Retrieval Using Semantic Web Browser - Personalized and Categorical Web Search" presented in a International level conference on ICSCN - 2007, organised by Electronics Dept, MIT, ANNA UNIVERSITY, INDIA from 22-Feb-2007 to 24-Feb-2007.

28. 5. Sumalatha M.R., Vaidehi V., Kannan A., Rajasekar M. and Karthigaiselvan M, "Hash Mapping Strategy for Improving Retrieval Effectiveness in Semantic Cache System' " presented in a International level conference on ICSCN - 2007, organised by MIT, ANNA UNIVERSITY, INDIA from 22-Feb-2007 to 24-Feb-2007.
29. 8. Sumalatha M.R., Abishek Ravi, Aravind M. and Prasanna N, "Collective Intelligence in Distributed Systems and Semantic Data Visualization" presented in a International level conference on ICETET 2008, organised by G.H.Raisoni College of Engineering, Nagpur, INDIA , INDIA from 16-Jul-2008 to 18-Jul-2008.
30. Sumalatha M.R. and Vaidehi V, "Retrieval of Semantic Information in Web Sources Using Semantic Web Browser" presented in a International level conference on IEEE conference,, organised by Kuala Lumpur, Malaysia, Kuala Lumpur, Malaysia from 09-May-2011 to 11-May-2011.
31. 12. A.Anusooya Devi, M.R.Sumalatha ,N.Mohana Priya, B.Sukruthi, M.Minisha, "Modified Diamond-Square Search Technique for Efficient Motion Estimation" presented in a International level conference on ICRTIT 2011, organised by MIT, Anna University, Chennai, INDIA from 03-Jun-2011 to 05-Jun-2011.
32. M.R. Sumalatha,Uttara Sridhar,Vidhya Srinivasan,Jaya Jothi , "Encrypted Data Aggregation in Wireless Sensor Networks using Randomized Routing" presented in a International level conference on ICRTIT 2011, organised by MIT, Anna University, Chennai, INDIA from 03-Jun-2011 to 05-Jun-2011.
33. M.R.Sumalatha, V.P.Jayachitra, N.Kalaivani,M.Geetha, T.Niruba, "Outlier Analysis-Pattern Mining (Oapm) Algorithm In Wireless Sensor Networks" presented in a International level conference on ICRTIT 2011, organised by MIT, Anna University, Chennai, INDIA from 03-Jun-2011 to 05-Jun-2011.
34. 9. Sumalatha Ramachandran,Aswin Kumar Gopi, Giridara Varma Elumalai, Murugesan Chellapa, "REDD: Redundancy Eliminated Data Dissemination in Cluster Based Mobile Sinks" presented in a International level conference on ICRTIT 2011, organised by MIT, Anna University, Chennai, INDIA from 03-Jun-2011 to 05-Jun-2011.
35. Sumalatha Ramachandran, Aswin Kumar Gopi, Giridara Varma Elumalai, Murugesan Chellapa, "Energy Efficient Data Aggregation in Cognitive Sensor Networks" presented in a International level conference on First International Conference on Digital Image Processing and Pattern Recognition, DPPR 2011, Tirunelveli, Tamil Nadu, India, Proceedings, organised by Advances in Digital Image Processing and Information Technology Communications in Computer and Information Science , Tirunelveli, Tamil Nadu, India from 23-Sep-2011 to 25-Sep-2011.
36. V. P. Jayachitra and Sumalatha Ramachandran, "Preventing Forest Animals from Train Accidents Using Outlier-Analysis Algorithm in WSN" presented in a International level conference on IEEE conference,, organised by Computer Society of India (CSI), Vishakhapatnam chapter well supported by Vishakhapatnam Steel, RINL, Govt of India., Visakhapatnam, Andhra Pradesh, INDIA from 05-Jan-2012 to 07-Jan-2012.

37. Shakena Grace S, Akshaya Krishnan., Manikandan.V.M., Chinraj.R.,M.R.Sumalatha , "Data Filtering in Wireless Sensor Networks Using Neural Networks for Storage in Cloud" presented in a International level conference on ICRTIT 2011, organised by Madras Institute of Technology, Anna University, INDIA from 19-Apr-2012 to 21-Apr-2012.
38. M.Venkatesh, M.R.Sumalatha, Mr.C.SelvaKumar , "Improving Public Auditability, Data Possession in Data Storage Security for Cloud Computing" presented in a International level conference on ICRTIT 2012, organised by Madras Institute of Technology, INDIA from 19-Apr-2012 to 21-Apr-2012.
39. Sridhar S, Satish G, Raja G, Sumalatha Ramachandran , "Adaptive Display Virtualization and Dataflow Model Selection (ADVADAMS) for reducing Interaction Latency in Thin Clients" presented in a International level conference on ICRTIT 2012, organised by MIT, Anna University, India from 19-Apr-2012 to 21-Apr-2012.
40. "Transmission and Reception Based Relay Deployment for Database Transactions in MANETs" presented in a International level conference on IEEE conference,, organised by Fr.Conceicao Rodrigues College of Engineering, Mumbai, Mumbai, India from 18-Jan-2013 to 19-Jan-2013.
41. C.Selvakumar., G.Jeeva Rathanam., M.R.Sumalatha, "PDDS - Improving Cloud Data Storage Security Using Data Partitioning Technique" presented in a International level conference on IEEE conference,, organised by AJAY KUMAR GARG ENGINEERING COLLEGE, DELHI, INDIA from 22-Feb-2013 to 23-Feb-2013.
42. M.ANANTHI., M.R.SUMALATHA, "Integrating WSN with Web Services for Patient's Record Management using RFID" presented in a International level conference on IACC, 2013, organised by AJAY KUMAR GARG ENGINEERING COLLEGE, DELHI, INDIA from 22-Feb-2013 to 23-Feb-2013.
43. "Collective Intelligence in Distributed Systems and Semantic Data Visualization" presented in a International level conference on ICETET 2008, organised by Nagpur, India., India from 16-Jul-2013 to 18-Jul-2013.
44. M.R.Sumalatha, V.Vaidehi, A.Kannan, "Efficient Management of semantic streaming data using TOWL" presented in a International level conference on ICCCT, 2013, organised by ICCCT, 2013, India from 26-Aug-2013 to 28-Aug-2013.

## Current Sponsored Projects

1. "FIST-Setting up Sensor Network and Cloud Computing Lab. " ( June-2011.. Project Cost: 5100000.00.
2. "Fraud Detection using Data Analysis in the Health care Industry" ( March-2016 - August-2016 ). Project Cost: 25000.00.
3. "Enhancing Mobile Phone Signal During Critical Situations " ( March-2016 - September-2016 ). Project Cost: 25000.00.
4. "Content based Image Analysis in Social Media for Disaster Response" ( March-2016 - September-2016 ). Project Cost: 25000.00.

## Sponsored Projects Completed

1. "Development of an Intrusion Detection System and Development of Semantic Cache in Query Processing " (May-2006 - April-2008). Project Cost: 880000.00.
2. "Multi cloud Deployment of Computing Clusters for Health Care System" (February-2013 - December-2016). Project Cost: 25000.00.
3. "Development of Intelligent Forensic Investigation Tool in Cloud Computing Environment. " (February-2014 - August-2014). Project Cost: 25000.00.
4. "Geo Distributed Social Service System " (February-2015 - August-2016). Project Cost: 25000.00.

## Programme Chaired

1. Chairman, International level conference titled "ICRTIT 2011, ICRTIT 2012, ICRTIT 2013, ICRTIT 2014, ICRTIT 2016" conducted by IT Dept, MIT Campus, Anna University.
2. International level conference titled "ICoAC 2013, ICoAC 2014, ICoAC 2015" conducted by CT, MIT Campus, Anna University.
3. Co Chairman, National level conference titled "National conference on Advanced Computing (NCAC 2007) " conducted by Department of Information Technology, Madras Institute of Technology, Anna University, India from 16-Feb-2007 to 17-Feb-2007.
4. Co Chairman, International level conference titled "International Conference on Signal Processing, Communications and Networking (ICSCN-2007)" conducted by MIT, ANNA UNIVERSITY from 22-Feb-2007 to 24-Feb-2007.
5. Chairman, International level conference titled "International Conference on Advanced Computing (ICAC-2009) " conducted by Madras Institute of Technology from 13-Dec-2009 to 15-Dec-2009.
6. Chairman, International level conference titled "Recent Trends in Information Technology " conducted by MIT, ANNA UNIVERSITY from 03-Jun-2011 to 05-Jun-2011.
7. Chairman, International level conference titled "WiSPNET 2016 : IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)" conducted by SSN COLLEGE OF ENGINEERING from 23-Mar-2016 to 25-Mar-2016.

## Programme Organized

1. Organizing committee member, International level conference on "National conference on Advanced Computing (NCAC 2007)" from 16-Feb-2007 to 17-Feb-2007.
2. Organizing committee member, International level conference on "International Conference on Signal Processing, Communications and Networking (ICSCN-2007)" from 22-Feb-2007 to 24-Feb-2007.



3. Organizing committee member, International level conference on "International Conference on Advanced Computing (ICAC-2009) " from 13-Dec-2009 to 15-Dec-2009.
4. Organizing committee member, International level conference on "Recent Trends in Information Technology " from 03-Jun-2011 to 05-Jun-2011.
5. Co-ordinator, National level workshop on "High Performance Computing" from 08-Dec-2011 to 09-Dec-2011.
6. Co-ordinator, International level workshop on "Data Mining Techniques" from 27-Mar-2012 to 28-Mar-2012.
7. Co-ordinator, International level workshop on "Computational Intelligence for Data Mining Techniques" from 08-Feb-2014 to 09-Feb-2014.
8. Co-ordinator, International level workshop on "Computational Intelligence for Data Mining Techniques" from 08-Feb-2014 to 09-Feb-2014.
9. Co-ordinator , International level conference on "ICRTIT 2014" from 04-Apr-2014 to 05-Apr-2015.
10. Organiser, International level conference on "International Educators Meet" from 24-Jan-2016 to 27-Jun-2016.
11. Co-ordinator , International level conference on "Exhibition on Education, Science, Technology and Innovation 2016" from 24-Jan-2016 to 26-Sep-2016.
12. Co-ordinator, International level conference on "International Educators Meet" from 25-Jan-2016 to 27-Jan-2016.
13. Program Chair, International level conference on "ICRTIT 2016" from 08-Apr-2016 to 09-Apr-2016.
14. Co-ordinator and Resource Person, International level workshop on "Workshop on Grant Writing, Funding and Implementation " from 27-Apr-2016.

## Programme Attended

1. Participated in a International level workshop on "Network security" organized by Department of Information Technology, Madras Institute of Technology, Anna University, CHENNAI, INDIA from 29-Mar-2003 to 30-Mar-2003.
2. Attended a International level Short Course on "Theory of computation" organized by Department of Information Technology, Madras Institute of Technology, Anna University , CHENNAI, INDIA from 08-Nov-2003 to 12-Nov-2003.
3. Attended a National level Short Course on "Re-engineering teaching skills" organized by Department of Information Technology, Madras Institute of Technology, Anna University, CHENNAI, IMDIA from 06-Apr-2004 to 07-Apr-2004.

4. Attended a National level seminar on "Security and messaging" organized by Department of Information Technology, Madras Institute of Technology, Anna University, CHENNAI, INDIA from 15-Oct-2004 to 15-Oct-2004.
5. Participated in a International level workshop on "Network security" organized by Department of Information Technology, Madras Institute of Technology, Anna University, CHENNAI, INDIA from 10-Feb-2006 to 11-Feb-2006.
6. Participated in a National level workshop on "Grid and Pervasive Computing" organized by Department of Information Technology, Madras Institute of Technology, Anna University, India from 16-Nov-2006 to 17-Nov-2006.
7. Participated in a International level conference on "International conference on Advanced Computing and Communications (ADCOM – 2006)" organized by National Institute of Technology Karnataka, Surathkal, India , SURATHKAL,INDIA from 20-Dec-2006 to 23-Dec-2006.
8. Participated in a National level conference on "National conference on Advanced Computing (NCAC 2007) " organized by Department of Information Technology, Madras Institute of Technology, Anna University, India , CHENNAI, INDIA from 16-Feb-2007 to 17-Feb-2007.
9. Participated in a International level conference on "International Conference on Signal Processing, Communications and Networking (ICSCN-2007)" organized by Department of Electronics, Madras Institute of Technology, Anna University, India , CHENNAI, INDIA from 22-Feb-2007 to 24-Feb-2007.
10. Participated in a International level workshop on "Ad-hoc networks" organized by Department of Information Technology, Madras Institute of Technology, Anna University, CHENNAI, INDIA from 22-Mar-2007 to 23-Mar-2007.
11. Attended a National level Short Course on "PHP programming" organized by Department of Information Technology, Madras Institute of Technology, Anna University , CHENNAI, INDIA from 10-Dec-2007 to 14-Dec-2007.
12. Attended a International level Short Course on "Mobile computing" organized by Department of Information Technology, Madras Institute of Technology, Anna University , CHENNAI, INDIA from 19-May-2008 to 25-May-2008.
13. Participated in a International level conference on "International conference on Advanced Computing and Communications (ADCOM – 2008)" organized by Advanced Computing and Communications (ACS), Bangalore, India. , INDIA from 14-Dec-2008 to 17-Dec-2008.
14. Participated in a National level workshop on "Virtualization Techniques" organized by Department of Information Technology, Madras Institute of Technology, Anna University, CHENNAI, INDIA from 08-Apr-2009 to 09-Apr-2009.
15. Participated in a International level workshop on "Content Based Image Retrieval and Fusion" organized by Department of Electronics, Madras Institute of Technology, Anna University , CHENNAI, INDIA from 07-Aug-2009 to 09-Aug-2009.

16. Participated in a International level workshop on "Next Generation Wireless Technologies-Long Term Evolution" organized by Department of Information Technology, Madras Institute of Technology, and Anna University , INDIA from 04-Dec-2009 to 05-Dec-2009.
17. Participated in a International level conference on "ICAC-2009" organized by Department of Information Technology, Madras Institute of Technology, Anna University, India from 13-Dec-2009 to 15-Dec-2009.
18. Attended a National level seminar on "RCWSN" organized by Department of Information Technology, Madras Institute of Technology, Anna University, India from 03-Mar-2010 to 03-Mar-2010.
19. Attended a National level Short Course on "Free/Open Source Software" organized by Computer Centre, Madras Institute of Technology, and Indian Linux users group, Chennai, India from 16-Feb-2011 to 19-Feb-2011.
20. Participated in a International level conference on "Recent Trends in Information Technology " organized by Department of Information Technology, Madras Institute of Technology, and Anna University, India from 03-Jun-2011 to 05-Jun-2011.
21. Participated in a National level workshop on "e-Learning for Engineering Educators" organized by Department of Computer Technology, Madras Institute of Technology, and Anna University, India from 24-Jun-2011 to 25-Jun-2011.
22. Participated in a National level workshop on "Advanced Simulation of Wireless Sensor Networks – NS2" organized by Department of Information Technology, Madras Institute of Technology, and Anna University, India from 02-Dec-2011 to 03-Dec-2011.
23. Participated in a National level workshop on "High Performance Computing" organized by Department of Information Technology, Madras Institute of Technology, and Anna University, India from 08-Dec-2011 to 09-Dec-2011.
24. Participated in a National level workshop on "Soft Computing" organized by Department of Information Technology, Madras Institute of Technology, and Anna University, India from 21-Mar-2012 to 22-Mar-2012.
25. Participated in a National level workshop on "Data Mining Techniques" organized by Department of Information Technology, Madras Institute of Technology, and Anna University, India from 27-Mar-2012 to 28-Mar-2012.
26. Participated in a National level conference on "NCETIC'12" organized by Computer Center, MIT, Anna University, India from 27-Apr-2012 to 27-Nov-2012.

## Honours

1. "Selected as one of the leading achievers around the globe " from New Providence. NJ. 07974 USA (2010).

## Invited Lectures

1. Delivered a Lecture on "Distributed computing" in Faculty Development Programme organized by Dhanalakshmi College of Engineering, Chennai.
2. Delivered a Lecture on "Cloud Computing" in Conference organized by VELTECH HIGHTECH Engineering College, Chennai.
3. Delivered a Lecture on "Social Media and Knowledge Network Management" in PSNA - CSE Dept. Association Inauguration organized by PSNA, Dindugal (14-Sep-2015).
4. Delivered a Lecture on "IoT applications/data analytics" in Two days workshop on Internet of Things sponsored by UGC - DRS SAP on 18th and 19th November 2015 organized by Anna University, MIT Campus, Anna University (06-Jan-2016).
5. Delivered a Lecture on "IoT applications/data analytics" in Two days workshop on Internet of Things sponsored by UGC - DRS SAP on 18th and 19th November 2015 organized by Anna University, MIT Campus, Anna University (06-Jan-2016).
6. Delivered a Lecture on "Real Time Big Data Analytical Architecture" in Seminar organized by N.S.N. College of Engineering and Technology, Karur (03-Feb-2016).

### Extension & Outreach Programme

1. Co-ordinator and Resource Person, Faculty Development Programme, participated by 25 and funded by Anna University, CFD at Conference Hall, Information Technology Dept. during 23-May-2015 and 29-May-2015. No. of participants: 25.
2. Co-ordinator and Resource Person, Faculty Development Programme, participated by 25 and funded by Anna University, CFD at Conference Hall, Information Technology Dept. during 23-Nov-2015 and 29-Nov-2015. No. of participants: 25.