Dr. P. Varalakshmi
Associate professor, Department of Computer Technology

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Present Position

Associate professor, Department of Computer Technology, Madras Institute of Technology, Anna University, Chennai from November-2014.

Previous Positions

➢ Lecturer Sr. Grade, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during October-2009 and November-2014.

➢ Lecturer, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai during July-2004 and October-2009.

Previous Additional Responsibility

➢ , , Anna University, Chennai.

Other Employment

➢ Visiting Faculty, Government College of Technology for 2 years.

➢ Lecturer, Sr. Lecturer, Astt. Prof, & HOD i/c, Adiparasakthi Engineering College, Melmaruvathur for 8 years.

➢ Asst. Professor & HOD i/c, Meenakshmi Amman College of Engg, Kanchipuram for 2 years.

Degree

❖ M.Tech. in COMPUTER SCIENCE ENGINEERING , Pondicherry University, Pondicherry University (1997 - 1998).

❖ B.E. in COMPUTER SCIENCE ENGINEERING , Govt. College of Technology, Bharathiyar University (1987 - 1991).

Research Degree

❖ Ph.D. in Grid computing from Faculty of Information & Communication Engineering, Anna University, Anna University (2004 - 2009).
Title: Trust Management in Grid Computing.

Area of Specialisation

> Cloud, Security, Networks, WSN,IoT, Data Analytics

Membership in Professional Organization

> Life Member of Indian Society for Technical Education (MISTE).

Research Guidance

Number of Ph.D Scholars Guided : 10
Number of Ph.D Scholars Guiding : 2
Number of M.S (By Research) Students Guiding : 1
Number of Ph.D Scholars Guiding as Joint-Supervisor : 1

Papers Published in Journals

Research Papers Published in International Journals : 78
Research Papers Published in National Journals : 0

1. Varalakshmi P., Thamarai Selvi S., Kanchana P. and Ramesh J, "Fuzzy Based Resource Management in Broker Architecture using Trust and Credentials", International Journal of Soft Computing , Vol. 2, Issue 4, pp. 494-501 (2007).

2. Varalakshmi P., Thamarai Selvi S., Sarah Waziah, S.Ramakrishnan and S. David Paul Rufus, "Fuzzy Based False Feedback Mitigation in Broker Architecture using Linear Interpolation", International Journal of Soft Computing , Vol. 2, Issue 4, pp. 513-519 (2007).

3. Varalakshmi P. and Thamarai Selvi S., "A Trust Management Architecture for Resource Selection in Grid", International Transaction on Systems Science and Applications, Vol. 3, Issue 4, pp. 355-365 (2008).

4. Varalakshmi P. and Thamarai Selvi S, "Reputation and Policy Based Three-Tier Grid Architecture with Genuine Feedbacks", International Journal of Autonomous and Adaptive Communications Systems, published by Inderscience Publication. Vol. 2, Issue 4, pp. 331-348 (2009).

5. P VARALAKSHMI,, P KARTHIK NARAYANAN,, M HARIHARAN,, P NAGARAJ,, K AMRITHA, " REACTIVE NETWORK MONITOR FOR DDOS ATTACKS", COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE BOOK SERIES, published by SPRINGER. Vol. 70, Issue 1, pp. 349 - 355 (2010).

6. P VARALAKSHMI,, M NANDINI,, R AARTHI,, K KRITHIKA, "AN OPTIMAL TRUST BASED RESOURCE ALLOCATION MECHANISM FOR CROSS DOMAIN GRID", COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE BOOK SERIES 70, published by SPRINGER. Vol. 70, Issue 10, pp. 342 - 348 (2010).

7. K PRABAVATHI,, P VARALAKSHMI,, " A NEW APPROACH FOR WORKFLOW TASKS SCHEDULING IN DISTRIBUTED HETEROGENEOUS ENVIRONMENT", COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE BOOK SERIES, published by SPRINGER. Vol. 90, Issue 1, pp. 663 - 671 (2010).

8. P.Varalakshmi and S.ThamaraiSelvi, "SECURED AND TRUSTED THREE TIER GRID ARCHITECTURE", International Journal of Ad Hoc and Ubiquitous Computing, published by Inderscience Publication. Vol. 5, Issue 4, pp. 244-251 (2010).

9. P VARALAKSHMI,, KH PRIYA,, J PRADEEPA,, "SLA WITH DUAL PARTY BENEFICIALITY IN DISTRIBUTED CLOUD", COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE BOOK SERIES, published by SPRINGER. Vol. 190, Issue 1, pp. 471 - 479 (2011).

10. Nandha kumar.R and P.Varalakshmi and, "An Efficient Data Collection Protocol in Wireless Networks", International Journal of Ad hoc, Sensor & Ubiquitous Computing , Vol. 3, Issue 4, pp. 11-19 (2012).

11. ASHOK CHANDRASEKAR,, KARTHIK CHANDRASEKAR,, MALAIRAJA MAHADEVAN,, P VARALAKSHMI,, " QOS MONITORING AND DYNAMIC TRUST ESTABLISHMENT IN THE CLOUD", LECTURE NOTES IN COMPUTER SCIENCE BOOK SERIES, published by SPRINGER. Vol. 7296, Issue 1, pp. 289 - 301 (2012).

12. M.Suresh Kumar and P.Varalakshmi, " Dynamic Web Service Composition Based on Network Modeling with Statistical Analysis and Backtracking", International Journal on Web Service Computing (IJWSC) ISSN: 0976 - 9811 , published by AIRCCSE. Vol. 3, Issue 2, pp. 11-20 (2012).

13. O.S Gnana prakasi and P. Varalakshmi,, " Enhancing Performance of TCP in Multihop Networks", International Journal of Computer Networks & Communications, Vol. 4, pp. 203-221 (2012).

14. M.SureshKumar and P.Varalakshmi, "A Novel Approach for Dynamic Web Service Selection and Composition based on Network Planning Model", Ssec Tech Journal, published by Ssec Tech Journal. pp. 42-50 (2012).

15. M.SureshKumar and P.Varalakshmi, "Dynamic Web Service Composition based on Network Analysis and Backtracking", European Journal of Scientific Research, Vol. 77, Issue 1, pp. 151-157 (2012).

16. OS GnanaPrakasi, P Varalakshmi, " Improving TCP Performance in Hybrid Networks", Advances in Intelligent Systems and Computing book series - Springer, published by SPRINGER. Vol. 176, pp. 405-415 (2012).

17. M. Kanchana, P.Varalakshmi, "Non Subsampled Shearlet Transform Based Texture Classification Using Sub Band Energy ", Indian Journal of Applied Research, , Vol. 3, Issue 8, pp. 285-287 (2013).

18. M. Kanchana,P.Varalakshmi, "Discrete Shearlet Transform Based Texture Classification Using Block Based Energies ", published by European Journal of Scientific Research, (Annexure. Vol. 102, Issue 1, pp. 22-29 (2013).

19. M. Kanchana, P.Varalakshmi, "Texture Classification Using Discrete Shearlet Transform ", International Journal of Scientific Research, Vol. 2, Issue 6, pp. 194-196 (2013).

20. M. SURESH KUMAR, P. VARALAKSHMI,, "A NOVEL APPROACH FOR DYNAMIC WEB SERVICE COMPOSITION THROUGH NETWORK ANALYSIS WITH BACKTRACKING"", ADVANCES IN COMPUTING, published by SPRINGER. Vol. 178, Issue 1, pp. 357- 365 (2013).

21. P.Varalakshmi, K.Murugan, R.Nandakumar,S.Boobalan, "Data mining using integration of clustering and decision tree.", International Journal of Recent Advances in Engineering & Technology (IJRAET) , Vol. 1, Issue 2, (2013).

22. P. Varalakshmi, S. Thamarai Selvi, "Thwarting DDoS attacks in grid using information divergence", Future Generation Computer Systems, published by Elsevier Publication. Vol. 29, Issue 1, pp. 429-441 (2013).

23. GNANAPRAKASI OS,, SRINISHA R,, SASI N, DEEPA M, VARALAKSHMI P, "IMPROVING PERFORMANCE IN MANETS BY OPTIMIZING CONTENTION WINDOW IN IEEE 802.11", INTERNATIONAL JOURNAL OF SCIENTIFIC AND ENGINEERING RESEARCH,, published by INTERNATIONAL JOURNAL OF SCIENTIFIC AND ENGINEERIN. Vol. 5, Issue 4, pp. 650 - 655 (2014).

24. K. MURUGAN, P. VARALAKSHMI,, "SECURE AND EFFICIENT HAND OVER AUTHENTICATION AND DETECTION OF SPOOFING ATTACK", INTERNATIONAL JOURNAL OF RESEARCH IN ENGINEERING AND TECHNOLOGY (IJRET), published by ESAT PUBLISHING HOUSE,BANGALORE, INDIA. Vol. 3, Issue 7, pp. 496 - 501 (2014).

25. Varalakshmi Perumal and Sankari Subbiah, " "Power-conservative server consolidation based resource management in cloud" ", International Journal of Network Management, published by Wiley-Blackwell. Vol. 24, Issue 6, pp. 415-432 (2014).

26. M. THANGAVEL,, P.VARALAKSHMI,, M.KUTHALINGAM,, "A NOVEL SECURED CRYPTOGRAPHIC HASH (NSCH) ALGORITHM", INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY, published by INTERNATIONAL RESEARCH PUBLICATION HOUSE. Vol. 3, Issue 3, pp. 1253 - 1258 (2014).

27. O.S GnanaPrakasi, J. Janani, P. Varalakshmi, " A Survey on Available Bandwidth Estimation in Mobile Adhoc Networks", International Journal for Advance Research In Engineering & Technology., (2014).

28. Nandhakumar Ramachandran , Varalakshmi Perumal , Muthuramalakshmi S, "Dual Stage Energy Efficient Periodic Data Aggregation in Wireless Sensor Networks ", ciencia e tecnica vitivinicola journal , Vol. 29, (2014).

29. M.SureshKumar and P.Varalakshmi, "An Optimal Constraint Based Web Service Composition Using Intelligent Backtracking ", Journal of Web Engineering (JWE) ISSN:1540-9589 (online)(Annexure - I). , Vol. 13, Issue 5, pp. 430-449 (2014).

30. M. Kanchana, P.Varalakshmi, "A Computer Aided Breast Cancer Diagnosis System Based on Shearlet Moments", Journal of Pure & Applied Microbiology (Annexure-II)., Vol. 9, (2015).

31. P SEENUVASAN, R GEETHARAMANI, P VARALAKSHMI,, R RAMACHANDRAN, "ENERGY-EFFICIENT SERVER-CONSOLIDATION BASED RESOURCE ALLOCATION IN CLOUD", APPLIED MATHEMATICAL SCIENCES, published by HIKARI. Vol. 68, Issue 9, pp. 3371 - 3380 (2015).

32. A.R.SHAJINA , 2015(IF:0.127)., P.VARALAKSHMI, S.J.PRIYA, "A SURVEY OF MULTI USER AUTHENTICATION PROTOCOLS IN CLOUD COMPUTING", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, published by RESEARCH INDIA PUBLISHERS. Vol. 10, Issue 87, pp. 479 - 484 (2015).

33. M. Kanchana, P.Varalakshmi, "Breast Cancer Diagnosis Using Wavelet Based Threshold Method ", Middle-East Journal of Scientific Research (Annexure-II), Vol. 23, Issue 6, pp. 1030-1034 (2015).

34. M. THANGAVEL, P. VARALAKSHMI, MUKUNDMURRALI, K. NITHYA, "SECURE FILE STORAGE AND RETRIEVAL IN CLOUD", INTERNATIONAL JOURNAL OF INFORMATION AND COMPUTER SECURITY (IJICS), published by INDERSCIENCE ENTERPRISES. Vol. 7, Issue 2, pp. 177 - 195 (2015).

35. PRAVEEN JOE I R, VARALAKSHMI P, "CLUSTERING JOB APPLICATIONS USING ART NETWORK", INTERNATIONAL JOURNAL FOR ADVANCES IN NATURAL AND APPLIED SCIENCES, published by AENSI PUBLISHERS. Vol. 9, Issue 6, pp. 197 - 203 (2015).

36. P.VARALAKSHMI, A.R.SHAJINA, "RCP-ABE: RANDOMIZED CIPHERTEXT POLICY ATTRIBUTE BASED ENCRYPTION", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, published by RESEARCH INDIA PUBLISHERS. Vol. 10, Issue 87, pp. 485 - 492 (2015).

37. KAVITHA. B, VARALAKSHMI. P, "COST OPTIMIZATION USING HYBRID EVOLUTIONARY ALGORITHM IN CLOUD COMPUTING", RESEARCH JOURNAL OF APPLIED SCIENCES, ENGINEERING AND TECHNOLOGY, published by MAXWELL SCIENTIFIC PUBLICATION. Vol. 10, Issue 7, pp. 758 - 769 (2015).

38. PRAVEEN JOE I R, VARALAKSHMI P, "A SURVEY ON NEURAL NETWORK MODELS FOR DATA ANALYSIS", ARPN JOURNAL OF ENGINEERING AND APPLIED SCIENCES, published by ASIAN RESEARCH PUBLISHING NETWORK. Vol. 10, Issue 11, pp. 4872 - 4876 (2015).

39. PRAVEEN JOE I R, VARALAKSHMI P, " A MODEL FOR PERSONALIZED WEB SERVICE SELECTION AND CLUSTERING USING BACTERIAL FORAGING ALGORITHM", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, published by RESEARCH INDIA PUBLISHERS. Vol. 10, Issue 34, pp. 27244 - 27247 (2015).

40. O.S GnanaPrakasi, P. Varalakshmi, " Enhancing Performance of TCP in Multihop Networks ", Computer Networks & Communications., (2015).

41. M. Kanchana, P.Varalakshmi, "Breast Cancer Detection Using Multi-resolution Diatric Microarray Curvelet Transform . (Annexure-II)", Research Journal of Applied Sciences and Engineering and Technology, Vol. 9, Issue 12, pp. 1082-1090 (2015).

42. Sankari Subbiah, Perumal Varalakshmi, Prarthana R and Renuka Devi C, "Energy Efficient Big Data Infrastructure Management in Geo-Federated Cloud Data Centres ", Procedia Computer Science , published by ScienceDirect, Elsevier.. Vol. 56, pp. 151-157 (2015).

43. Varalakshmi.P ,Kavitha.D and Ashok Kumar P.M, "Effective Cost and Energy -Aware Resource Allocation in Cloud Computing", International Journal of Applied Engineering Research, Research India Publications, published by Research India Publications. Vol. 10, Issue 66, pp. - (2015).

44. Subbiah Sankari, Kannadasan Ashwin and Perumal Varalakshmi, "Video Streaming for QoS Approach using Azure Cloud Storage", International Journal of Applied Engineering Research,ISSN 0973-4562 , (Annexure-II). , Vol. 10, Issue 75, (2015).

45. P.VARALAKSHMI, T.JUDGI, "A SURVEY ON TRUST MANAGEMENT IN CLOUD COMPUTING", JOURNAL OF ADVANCES IN NATURAL AND APPLIED SCIENCES (ANNEXURE -II), published by AENSI. Vol. 9, Issue 6, pp. 416 - 420 (2015).

46. M.SureshKumar, P.Varalakshmi, F.Anishya,, "A Novel Approach for Customized Travel Package Recommendation using Collaborative Filtering ", International Journal of Applied Engineering and Research(IJAER), ISSN 0973-4562(Annexure-II)., Vol. 10, Issue 55, pp. 1660-1666 (2015).

47. K.MURUGAN, P.VARALAKSHMI, " PAIR HAND: SECURE HANDOVER AUTHENTICATION IN NEXT GENERATION NETWORK", INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH, published by RESEARCH INDIA PUBLISHERS. Vol. 10, Issue 16, pp. 36706 - 36710 (2015).

48. M. THANGAVEL, P. VARALAKSHMI, MUKUNDMURRALI, K. NITHYA, "AN ENHANCED AND SECURED RSA KEY GENERATION SCHEME (ESRKGS)", JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, published by ELSEVIER. Vol. 20, pp. 3 - 10 (2015).

49. KANCHANA, M, VARALAKSHMIP, "PERFORMANCE EVALUATION AND COMPARATIVE ANALYSIS OF VARIOUS MACHINE LEARNING TECHNIQUES FOR DIAGNOSIS OF BREAST CANCER", BIOMEDICAL RESEARCH, published by BIOMEDICAL RESEARCH. Vol. 23, Issue 3, pp. 623 - 631 (2016).

50. A.R.SHAJINA, P.VARALAKSHMI, S.J.PRIYA, "A NOVEL DUAL AUTHENTICATION PROTOCOL BASED ON KERBEROS IN CLOUD", INTERNATIONAL JOURNAL OF SCIENCE AND INNOVATIVE ENGINEERING, published by IJSIET. Vol. 1, Issue 6, pp. 1 - 6 (2016).

51. GnanaPrakasi O.S, P. Varalakshmi, " EFG-AOMDV: Evolving Fuzzy based Graph –AOMDV Protocol for Reliable and Stable Routing in Mobile Ad hoc Networks Ad Hoc & Sensor Wireless Networks", Ad Hoc & Sensor Wireless Networks, (2016).

52. GnanaPrakasi O.S, P. Varalakshmi, Janani J, " Available Bandwidth Estimation through Link Prediction (LP-ABE) in MANET", Advances in Natural and Applied Sciences, Vol. 9, Issue 6, pp. 111-116 (2016).

53. A.R SHAJINA, P.VARALAKSHMI, "MODS: INTEGRATED FRAMEWORK FOR SECURED MULTI- OWNER DATA SHARING IN CLOUD COMPUTING", INTERNATIONAL JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, published by AMERICAN SCIENTIFIC PUBLISHERS. . Vol. 23, Issue 3, pp. 623 - 631 (2016).

54. VARALAKSHMI, P., T. JUDGI, " TRUST AND CLUSTER BASED FAIR SHARE SCHEDULING IN MULTI CLOUD ENVIRONMENT.", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, published by ASIAN RESEARCH CONSORTIUM. Vol. 6, Issue 7, pp. 1347 - 1363 (2016).

55. P. VARALAKSHMI, A. R. SHAJINA, B. VINOTHINI, " EXTENSION OF STS PROTOCOL ON ELLIPTIC CURVE DIFFIE-HELLMAN TO REDUCE MAN-IN-THE-MIDDLE ATTACK", INTERNATIONAL JOURNAL OF ADVANCES IN ELECTRONICS AND COMPUTER SCIENCE, published by IRAJ. Vol. 3, Issue 10, pp. 10 - 15 (2016).

56. KAVITHA. B., VARALAKSHMI. P, "HYBRID ALGORITHM FOR DEADLINE CONSTRAINED RESOURCE ALLOCATION IN CLOUD COMPUTING", INTERNATIONAL JOURNAL OF ADVANCED ENGINEERING TECHNOLOGY, published by IJAET. Vol. 7, Issue 2, pp. 1262 - 1271 (2016).

57. SANKARI SUBBIAH, VARALAKSHMI PERUMAL, "OPTIMAL BIG DATA STORAGE ALLOCATION USING FEDERATED CLOUD DATA CENTRIC NETWORKS", INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGY IN COMPUTER SCIENCE AND ELECTRONICS, published by IJETCSE. Vol. 2, Issue 2, pp. 158 - 163 (2016).

58. M. THANGAVEL, P. VARALAKSHMI, "ENHANCED SCHMIDT-SAMOA CRYPTOSYSTEM FOR DATA CONFIDENTIALITY IN CLOUD COMPUTING", INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS AND CHANGE MANAGEMENT, published by INDERSCIENCE ENTERPRISES LTD. Vol. 8, Issue 2, pp. 160-0188 (2016).

59. GNANAPRAKASIOS, VARALAKSHMI, P, GIRIPRASATH, S, "ST-ACRP: SIGNAL STRENGTH AND TRIP_TIME BASED ANT COLONY ROUTING PROTOCOL IN MANET", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, published by ASIAN RESEARCH CONSORTIUM. Vol. 6, Issue 5, pp. 266 - 280 (2016).

60. SANKARI SUBBIAH,, VARALAKSHMI PERUMAL, " RESEARCH CONFRONT IN SOFTWARE DEFINED NETWORKING ENVIRONMENT: A SURVEY", COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE BOOK SERIES, published by SPRINGER. Vol. 628, Issue 1, pp. 600 - 608 (2016).

61. KAVITHA. B., VARALAKSHMI. P, " HYBRID ALGORITHM FOR PROFIT MAXIMIZATION IN HYBRID CLOUD", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, published by ASIAN RESEARCH CONSORTIUM. Vol. 6, Issue 7, pp. 1996 - 2015 (2016).

62. I.R. PRAVEEN JOE, P VARALAKSHMI,, "A TWO PHASE APPROACH FOR EFFICIENT CLUSTERING OF WEB SERVICES", ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING BOOK SERIES, published by SPRINGER. Vol. 412, Issue 1, pp. 165 - 170 (2016).

63. NANDHAKUMAR RAMACHANDRAN, VARALAKSHMI PERUMAL, "EXPLOITING THRESHOLDS AND PREDICTION BASED DATA AGGREGATION IN WIRELESS SENSOR NETWORK", ASIAN JOURNAL OF SCIENCE AND HUMANITIES, published by ASIAN RESEARCH CONSORTIUM. Vol. 6, Issue 5, pp. 411 - 424 (2016).

64. KANCHANA M, VARALAKSHMI P, " COMPUTER AIDED SYSTEM FOR BREAST CANCER IN DIGITIZED MAMMOGRAM USING SHEARLET BAND FEATURES WITH LS-SVM CLASSIFIER", INTERNATIONAL JOURNAL OF WAVELETS MULTIRESOLUTION ANALYSIS AND INFORMATION PROCESSING, published by IJWMIP. Vol. 14, Issue 3, pp. 16500171 - 16500185 (2016).

65. K.MURUGAN, P.VARALAKSHMI, "IP SPOOFING ATTACK MITIGATION USING EXTREME LEARNING MACHINE TO PROMOTE SECURE DATA TRANSMISSION", ASIAN JOURNAL OF SCIENCE AND HUMANITIES, published by ASIAN RESEARCH CONSORTIUM. Vol. 6, Issue 6, pp. 394 - 404 (2016).

66. DHANANJAY KUMAR, KAVITHA. B, PADMAVATHY. M, HARSHINI.B, PREETHI. E, VARALAKSHMI. P, "OPTIMIZED PARTICLE SWARM OPTIMIZATION BASED DEADLINE CONSTRAINED TASK SCHEDULING IN HYBRID CLOUD", ICTACT JOURNAL ON SOFT COMPUTING (IJSC), published by ICTACT. Vol. 6, Issue 2, pp. 1117 - 1122 (2016).

67. VARALAKSHMI P, JUDGI T, "MULTIFACETED TRUST MANAGEMENT FRAMEWORK BASED ON A TRUST LEVEL AGREEMENT IN A COLLABORATIVE CLOUD", JOURNAL OF COMPUTERS AND ELECTRICAL ENGINEERING, published by ELSEVIER. Vol. 39, Issue 1, pp. 110 - 125 (2016).

68. SEENUVASAN, P., A. KANNAN,, P. VARALAKSHM, "AGENT-BASED RESOURCE MANAGEMENT IN A CLOUD ENVIRONMENT", APPLIED MATHEMATICS AND INFORMATION SCIENCES, published by NATURAL SCIENCE PUBLISHERS. Vol. 11, Issue 3, pp. 777 - 788 (2017).

69. NANDHAKUMAR RAMACHANDRAN, VARALAKSHMI PERUMAL, "TARGET AUCOURANT DATA DISSEMINATION BY COLLABORATORY SENSING IN IOT ENVIRONMENT", MOBILE NETWORKS AND APPLICATIONS, published by SPRINGER. Issue 1, pp. 1-15 (2017).

70. M. Thangavel, P Varalakshmi, " Improved secure RSA cryptosystem for data confidentiality in cloud", International Journal of Information Systems and Change Management, published by Inderscience . Vol. 9, Issue 4, pp. 261-277 (2017).

71. Nandhakumar Ramachandran, Varalakshmi Perumal, Sakithya Gopinath, Monika Jothi, "Sensor Search Using Clustering Technique in a Massive IoT Environment", Springer Lecture Notes in Networks and Systems book series, published by SPRINGER. Vol. 11, pp. - (2017).

72. PRAVEEN JOE I R, VARALAKSHMI P, SHYAMAL R, "OPTIMAL RETRIEVAL OF WEB SERVICES THROUGH PSO ALGORITHM", ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, published by ISSN: 2249-7315. Vol. 7, Issue 1, pp. 773 - 783 (2017).

73. SHAJINA, A. R., P. VARALAKSHMI, "A NOVEL DUAL AUTHENTICATION PROTOCOL (DAP) FOR MULTI-OWNERS IN CLOUD COMPUTING.", CLUSTER COMPUTING, published by SPRINGER. Vol. 20, Issue 1, pp. 507 - 552 (2017).

74. K.MURUGAN, P.VARALAKSHMI, " SECURE AND EFFICIENT HAND-OVER AUTHENTICATION IN WLAN USING ELLIPTIC CURVE RSA", JOURNAL OF COMPUTERS AND ELECTRICAL ENGINEERING, published by ELSEVIER. Issue 1, pp. 1 - 15 (2017).

75. M THANGAVEL, P VARALAKSHMI, "ENHANCED DNA AND ELGAMAL CRYPTOSYSTEM FOR SECURE DATA STORAGE AND RETRIEVAL IN CLOUD", CLUSTER COMPUTING, published by SPRINGER. Issue 1, pp. 1 - 27 (2017).

76. NANDHAKUMAR RAMACHANDRAN AND VARALAKSHMI PERUMAL, "A Honey-Hive based Efficient Data Aggregation in Wireless Sensor Networks", Journal of Electrical Engineering and Technology (JEET), published by -. Vol. 13, Issue 2, pp. 1975-1985 (2018).

77. NANDHAKUMAR RAMACHANDRAN, VARALAKSHMI PERUMAL, " DELAY-AWARE HETEROGENEOUS CLUSTER-BASED DATA ACQUISITION IN INTERNET OF THINGS", JOURNAL OF COMPUTERS AND ELECTRICAL ENGINEERING, published by ELSEVIER. Vol. 65, Issue 1, pp. 1 -15 (2018).

78. Nandhakumar Ramachandran, Varalakshmi Perumal, "Proficient Communication among Sensor Devices using Heuristic Approaches in IoT Environment", International Journal of Ad Hoc and Ubiquitous Computing, published by Inderscience . Vol. 29, Issue 1, pp. 1743-8233 (2018).

Papers Presented in Programmes

Research Papers Presented in International Programmes   : 86
Research Papers Presented in National Programmes   : 6

1. "Mass Identification in Digital Mammogram using Active Contour Model" presented in a International level conference on Fourth International Conference on Advanced Research in Engineering and Applied Sciences, organised by -, India .

2. "A Comparative Study of Attribute-Based Encryption Schemes for Secure Cloud Data Outsourcing" presented in a International level conference on Ninth International Conference on Advanced Computing (ICoAC), organised by ANNA UNIVERSITY - MIT CAMPUS, India .

3. "A heuristic approach for web service selection with cost optimization" presented in a International level conference on 2nd International Conference on Computing and Communications Technologies (ICCCT) 2017, organised by -, India .

4. "Performance Analysis of Virtual Machines and Docker Containers" presented in a International level conference on International Conference on Data Science Analytics and Applications, Springer (2017), organised by -, India .

5. M. Thangavel, P. Varalakshmi, "A Cross Layer Approach To Enhance TCP Performance In MANET" presented in a International level conference on International Conference on Innovative Research and Solutions 2016, organised by Bharath University, India .

6. "Network Resource Provisioning in Cloud Data Center Across Manifold SDN Controllers" presented in a International level conference on 2nd IEEE International Conference on Engineering and Technology (ICETECH) 2016, India .

7. "Energy-Aware Network Resource Allocation in SDN" presented in a International level conference on IEEE International Conference on Wireless Communications, Signal Processing and Networking (WISPNET 2016), India .

8. "A Novel Handover Authentication Method in WLAN" presented in a International level conference on International conference on communication and control engineering (ICCCE2016), organised by University College of Engineering Villupuram, India .

9. "Extension of STS protocol on Elliptic Curve Diffie-Hellman to reduce Man-in-the-middle attack" presented in a International level conference on International Conference on Science, Technology, Engineering and Management (ICSTEM) 2016, organised by International Conference on Science, Technology, Engineering and Management (ICSTEM), NEWYORK .

10. "A Survey on Provable Data Possession in Cloud Storage" presented in a International level conference on IEEE - ICoAC 2016, organised by ANNA UNIVERSITY - MIT CAMPUS, India .

11. "A Novel Public Key Cryposystem based on Merkle-Hellman Knapsack Cryptosystem" presented in a International level conference on IEEE - ICoAC 2016, organised by ANNA UNIVERSITY - MIT CAMPUS, India .

12. "Towards Secure DNA based Cryptosystem" presented in a International level conference on Springer CCIS - International Conference on Data Science Analytics and Applications 2016, organised by ANNA UNIVERSITY, India .

13. M. Thangavel, P. Varalakshmi, S. Renganayaki, G.R.Subhapriya, T. Preethi, A. Zeenath Banu, "A Comparative study on DNA Cryptosystem" presented in a International level conference on Fifth IEEE International Conference On Recent Trends In Information Technology 2016, organised by ANNA UNIVERSITY - MIT CAMPUS, India .

14. "SMCSRC - Secure Multimedia Content Storage and Retrieval in Cloud" presented in a International level conference on Fifth IEEE International Conference On Recent Trends In Information Technology 2016, organised by ANNA UNIVERSITY - MIT CAMPUS, India .

15. Kanchana, M and VaralakshmiP, "An Analysis of Privacy Preservation Schemes in Cloud Computing" presented in a International level conference on IEEE International Conference on Engineering & Technology, Rathinam Technical Campus (RTC), organised by Rathinam Technical Campus (RTC), India .

16. "A Review on Public Auditing in Cloud Environment" presented in a International level conference on IEEE International Conference on Information Communication and Embedded System ICICES, organised by S.A. Engineering college, India .

17. Murugan K, Boobalan S, Varalakshmi P, Nandha Kumar R, "Analysis of Microcalcification Classification Using Shearlet Sub Band Features" presented in a International level conference on IEEE sponsored Fifth International Conference on Computing of Power ,Energy & Communication, India .

18. "Identification of Microcalcification using Wavelet Signatures" presented in a International level conference on Tamilnadu, organised by International Conferences on Recent Trends in Science,Engineering and Management.

19. "Sensor search using clustering technique in a massive IoT environment" presented in a International level conference on International Conference on Industry Interactive Innovations in Science, Engineering and Technology (I3SET), organised by JIS College of Engineering, India .

20. "Performance Analysis of Triaxial Accelerometer for Activity Recognition" presented in a International level conference on IEEE Eighth International Conference on Advanced Computing (ICOAC), organised by MIT,Anna -University, Chennai, India .

21. Varalakshmi P., Thamarai Selvi S. and Pradeep , "A Broker Architecture Framework for Reputation-based Trust Management in Grid'" presented in a International level conference on International Conference on Information Security ICIS'06, organised by Pondicherry Engg College, India .

22. "An Energy Efficient Data Troving Using Honey-Hive Clustering in Wireless Sensor Networks" presented in a International level conference on 2nd International conference on Next Generation Computing and Communication Technology(ICNGCCT 2015), Dubai .

23. "A Multi-Broker Trust Management Framework for Resource Selection in Grid" presented in a International level workshop on IEEE workshop COMSWARE-2007, organised by IISC, Bangalore, India .

24. "Network Traffic Analysis of Cloud Data Centre" presented in a International level conference on IEEE International conference on computing and communication technologies , India .

25. "TLA based Trust Management in Collaborative Cloud" presented in a International level conference on 2nd International Conference on Next Generation Computing and Communication Technologies (ICNGCCT), India .

26. "A survey of multi user authentication protocols in cloud computing" presented in a International level conference on International conference on emerging trends in information and communication (EMTIC), organised by S A Engineering College, Chennai, India .

27. "RCP-ABE: Randomized Ciphertext policy attribute based encryption" presented in a International level conference on International conference on emerging trends in information and communication (EMTIC), organised by S A Engineering College, Chennai, India .

28. "Mobile streaming for QoS approach in media cloud" presented in a International level conference on International Conference on Computing and Communications Technologies (ICCCT), India .

29. "Secure and Efficient Hanover Authentication and Detection of Spoofing Attack" presented in a International level conference on International Conference on Trends in Technology for Convergence 'TITCON - 2014', organised by AVS Engineering College, Salem, India .

30. .

31. Kirtiga, R, GnanaPrakasi, OS, Kavipriya, D, Anita, R and Varalakshmi P, "Reliable Graph based Routing in VANET Environment" presented in a International level conference on International Conference on Recent Trends in Information Technology (ICRTIT-14), India .

32. P.Varalakshmi, A.R.Shajina, T. Kanimozhi, "Improving Performance in Manets by Optimizing Contention Window in IEEE 802.11.1" presented in a International level conference on 1st International Conference on Trends in Technology for Convergence, organised by AVS Engineering College, Salem, India .

33. "An Efficient Cluster Head Selection and Aggregation for Wireless Sensor Networks" presented in a International level conference on International Conference on Communication and Signal Processing, organised by Adhiparasakthi engineering college, India .

34. "A Survey on security over Data Outsourcing" presented in a International level conference on International Conference on Advanced Computing , IEEE-ICoAC-2014, organised by MIT Campus, Anna University, India .

35. "A New Energy Consumption Technique in Wireless Sensor Network Using Reference Point and Imparting Mechanism" presented in a International level conference on International Conference on Electronics and Communication System (ICECS), India .

36. "A Framework For Secure Cryptographic Key Management Systems" presented in a International level conference on Fifth International Conference on Advanced Computing (ICoAC), India .

37. Ashok Chandrasekar , Karthik Chandrasekar, Malairaja Mahadevan, P.Varalakshmi, ""QoS Monitoring and Dynamic Trust Establishment in the Cloud"" presented in a International level conference on 7th international conference on Advances in Grid and Pervasive Computing, Lecture Notes in Computer Science series.

38. P.Varalakshmi and D.Hamsavardhini, "CLIENT CENTRIC ULTITENANCY FOR CLOUD SERVICES" presented in a International level conference on International Conference on Recent Trends in Information Technology.

39. "Integrity Checking for Cloud Environment Using Encryption Algorithm" presented in a International level conference on International Conference on Recent Trends in Information Technology.

40. Varalakshmi P, Aravindh Ramaswamy, Aswath Balasubramanian, Palaniappan Vijaykumar, "Cognitive Symmetric Key Cryptographic Algorithm" presented in a International level conference on The Second International Conference on Computer Science and Information Technology (CCSIT- 2012).

41. P. Varalakshmi, Aravindh Ramaswamy, Aswath Balasubramanian, and Palaniappan Vijaykumar, "SLA with Dual Party Beneficiality in Distributed Cloud" presented in a International level conference on International Conference on Advances in Computing and Communications (ACC-2011), Communications in Computer and Information Science.

42. "An Optimal Workflow based Scheduling and Resource Allocation in Cloud" presented in a International level conference on International Conference on Advances in Computing and Communications (ACC-2011), Communications in Computer and Information Science, 2011.

43. P. Varalakshmi, S. Thamarai Selvi and S.Sundar Raman, "A New Approach for Workflow Task scheduling in Distributed Heterogeneous Environment" presented in a International level conference on International Conference on Networks and Communications, Page no: 663-673, 2010. .

44. P.Varalakshmi, M.Nandini, K.Krithika, R.Aarthi, "Reactive Network Monitor for DDoS Attacks" presented in a International level conference on International Conference on Business Administrative and Information Processing (BAIS 2010).

45. "An Optimal Trust Based Resource Allocation Mechanism For Cross Domain Grid" presented in a International level conference on International Conference on Business Administrative and Information Processing (BAIS 2010).

46. Varalakshmi P., Thamarai Selvi S., Javed Ashraf A., Karthick K. and Baby Aarthy A., "Security in Mobile Grid Service" presented in a International level conference on International Conference on Advanced Computing 2009.

47. "A Quiz-Based Trust Model with Optimized Resource Management in Grid" presented in a International level conference on The Thirteenth IEEE Asia-Pacific Computer Systems Architecture Conference (ACSAC 2008).

48. "Securing Trustworthy Three-Tier Grid Architecture with Spam Filtering" presented in a International level conference on The First IEEE International Conference on Emerging Trends (ICETET-08).

49. "Securing Trustworthy Three-tier Grid Architecture with DDoS Attack Defense Mechanism" presented in a International level conference on First International Conference on Contemporary Computing 2008.

50. "Three-Tier Architecture for Resource Selection in Grid" presented in a International level conference on IEEE ADCOM'07.

51. Varalakshmi P., Thamarai Selvi S., Javed Ashraf A. and Karthick K., "B-Tree Based Trust Model for Resource Selection in Grid" presented in a International level conference on IEEE International Conference of Signals and Communication Networks 2007.

52. M.SureshKumar, P.Varalakshmi , "A Robust Trust model with Rated Genuine Feedbacks in a Grid Environment'" presented in a International level conference on IEEE ICCIMA'07.

53. "Three-tier grid architecture with policy-based resource selection in grid" presented in a International level conference on IEEE International Conference of Signals and Communication Networks 2007.

54. "Dynamic Web Service Composition based on Network Modelling with Statistical Analysis and Backtracking" presented in a International level conference on IEEE 7th International Conference on Computer Science and Education (ICCSE 2012).

55. O.S GnanaPrakasi, P. Varalakshmi, "Improving TCP Performance in Hybrid Networks" presented in a International level conference on International Conference Advances in Computing and Information Technology, organised by AIRCC, India .

56. P.Varalakshmi and T.Judgi, "A Survey on Trust Management In Cloud Computing" presented in a National level conference on National Conference on Intelligent and Computing , organised by K.Ramakrishnan College of Engineering., India .

57. "sessions on XML programming, java script, Java programming" presented in a National level Short Course on Anna University sponsored Faculty Development Programme on Web Technology, organised by Anna Uninversity, India from 01-Dec-2009 to 07-Dec-2009.

58. "sessions on HTML, XML programming, java script, Java programming" presented in a National level Short Course on Anna University sponsored Faculty Development Programme on Internet Programming, organised by Anna University, India from 07-Jun-2010 to 11-Jun-2010.

59. "Data Management in Grid Computing" presented in a National level Short Course on Faculty Development Programme on "Grid Computing" , organised by Anna Uninversity from 18-Feb-2011 to 18-Feb-2011.

60. "sessions on Deterministic and Non-deterministic automata, CFG, Deterministic and Non-deterministic PDA, Turing Machine, and Parser" presented in a National level Short Course on Anna University sponsored Faculty Development Programme on Theory of Computation from 08-Jun-2011 to 12-Jun-2011.

61. "sessions on Lexical Analysis, Syntax Analysis, Intermediate Code Generation, Code Optimization Techniques, and Code Generation CFG" presented in a International level Short Course on Anna University sponsored Faculty Development Programme on "Principles of Compiler Design" from 14-Nov-2011 to 20-Nov-2011.

62. "Security Management in Cloud Computing" presented in a National level workshop on Workshop Programme on "Cloud Computing", organised by Anna Uninversity from 07-Apr-2012 to 07-Apr-2012.

63. M.SureshKumar, P.Varalakshmi , "A Novel Approach for Dynamic Web Service Composition through Network Analysis with Backtracking" presented in a International level conference on Forth International Conference on Web & Semantic Technology (WeST-2012), organised by AIRCC, India from 13-Jul-2012 to 14-Jul-2012.

64. P.Varalakshmi, K.Murugan, R.Nandakumar, S.Boobalan, "Data mining using integration of clustering and decision tree" presented in a International level conference on Third International Conference on Information and Communication Engineering, organised by Institute for Research and Development, India from 28-Jun-2013 to 29-Jun-2013.

65. P.Varalakshmi and T.Judgi, "Local Trust Based Resource Allocation in Cloud" presented in a International level conference on Fifth International Conference on Advanced Computing (ICoAC 2013), organised by Department 0f Computer Technology, MIT campus, Anna University, India from 18-Dec-2013 to 20-Dec-2013.

66. Varalakshmi, P., A. R. Shajina, and V. Selin Soniya, "SMOADS-Secured Multi-Owner Attribute-based Data Sharing in cloud computing" presented in a International level conference on Fifth International Conference on Advanced Computing (ICoAC 2013), organised by Department 0f Computer Technology, MIT campus, Anna University, India from 18-Dec-2013 to 20-Dec-2013.

67. Varalakshmi. P., Thangavel. M., Nithya. K. , Priya. T., Sakthya. D, "EDSRPPC: An Efficient Data Storage and Retrieval through Personalization and Prediction in Cloud" presented in a International level conference on International Conference on Advanced Compting , organised by Department 0f Computer Technology, MIT campus, Anna University, India from 18-Dec-2013 to 20-Dec-2013.

68. O.S Gnana Prakasi, R.Srinisha, N.Sasi,M.Deepa, P Varalakshmi, "Improving Performance in Manets by Optimizing Contention Window in IEEE 802.11.1" presented in a International level conference on International Conference on Trends in Technology for Convergence, organised by AVS Engineering College, India from 08-Apr-2014 to 09-Apr-2014.

69. K.Murugan, P.Varalakshmi, "Secure and Efficient Hand Over Authentication and Detection of Spoofing Attack" presented in a International level conference on International Conference on Trends in Technology for Convergence (TITCON-2014), organised by AVS Engineering College, India from 08-Apr-2014 to 09-Apr-2014.

70. R. Kirtiga, GnanaPrakasi O.S, D. Kavipriya, R. Anita, Varalakshmi.P, "Reliable Graph based Routing in VANET Environment" presented in a International level conference on International Conference on Recent Trends in Information Technology ICRTIT-14)., organised by Department of Information Technology, MIT Campus, Anna University from 10-Apr-2014 to 12-Apr-2014.

71. R. Kirtiga, GnanaPrakasi O.S, D. Kavipriya, R. Anita, Varalakshmi.P, "Reliable Graph based Routing in VANET Environment" presented in a International level conference on International Conference on Recent Trends in Information Technology ICRTIT-14)., organised by Department of Information Technology, MIT Campus, Anna University, India from 10-Apr-2014 to 12-Apr-2014.

72. "A Survey on Available Bandwidth Estimation in Mobile Adhoc Networks" presented in a International level conference on International Conference on Innovative Research in Engineering and Technology, organised by E.G.S Pillay Engineering College, Nagapattinam, India from 02-May-2014 to 03-May-2014.

73. P.Varalakshmi, M. Padmavathy, S. Vandhana, and S. Vishali, "Prediction of water quality using Naïve Bayesian Algorithm" presented in a International level conference on International conference on Advanced Computing, organised by Department 0f Computer Technology, MIT campus, Anna University, India from 17-Dec-2014 to 19-Dec-2013.

74. P.Varalakshmi, A.R.Shajina, T. Kanimozhi,, "A Framework For Secure Cryptographic Key Management Systems" presented in a International level conference on Fifth International Conference on Advanced Computing (ICoAC), organised by Department 0f Computer Technology, MIT campus, Anna University, India from 17-Dec-2014 to 19-Dec-2014.

75. Thangavel.M. Varalakshmi.p, "PA Survey on security over Data Outsourcing" presented in a International level conference on International Conference on Advanced Compting (ICoAC 2014), organised by Department 0f Computer Technology, MIT campus, Anna University, India from 17-Dec-2014 to 19-Dec-2014.

76. Sankari Subbiah, Perumal Varalakshmi, and Divya Boopathi, "Network Traffic Analysis of Cloud Data Centre" presented in a International level conference on IEEE International Conference on Computing and Communication Technologies , organised by Motilal Nehru National Institute of Technology Allahabad, India from 26-Feb-2015 to 27-Feb-2015.

77. Judgi T, Varalakshmi P &VivekSargunaPandiyanV, "TLA based Trust Management in Collaborative Cloud" presented in a International level conference on International Conference on Next Generation Computing and Communication Technologies , organised by (ICNGCCT 2015) , Dubai from 22-Apr-2015 to 23-Apr-2015.

78. "A Novel Approach for Customized Travel Package Recommendation using Collaborative Filtering" presented in a International level conference on International Conference on Advances in Applied Engineering and Technology(ICAAET15), organised by Syed Ammal Engineering College, Ramanathapuram, India from 14-May-2015 to 15-May-2015.

79. M.SureshKumar, P.Varalakshmi, F.Anishya, "A Novel Approach for Customized Travel Package Recommendation using Collaborative Filtering" presented in a International level conference on International Conference on Advances in Applied Engineering and Technology, organised by Syed Ammal Engineering College, India from 14-May-2015 to 15-May-2015.

80. Subbiah Sankari, Kannadasan Ashwin and Perumal Varalakshmi, "Mobile Streaming for QoS Approach in Media Cloud" presented in a International level conference on IEEE International Conference on Computing and Communication Technologies (ICCCT2015), organised by Motilal Nehru National Institute of Technology Allahabad, India from 25-Sep-2015 to 27-Sep-2015.

81. A.R.Shajina, P.Varalakshmi, S.J. Priya, "A survey of multi user authentication protocols in cloud computing" presented in a International level conference on International conference on emerging trends in information and communication, organised by S.A Enginnering College, India from 03-Dec-2015 to 04-Dec-2015.

82. P.Varalakshmi, A.R.Shajina, "RCP-ABE: Randomized Ciphertext policy attribute based encryption" presented in a International level conference on International conference on emerging trends in information and communication, organised by S.A.Engineering College, Chennai, India from 03-Dec-2015 to 04-Dec-2015.

83. P VARALAKSHMI, "A NOVEL DUAL AUTHENTICATI ON PROTOCOL BASED ON KERBEROS IN CLOUD" presented in a International level conference on 6TH INTERNATIONA L CONFERENCE ON SCIENCE AND INNOVATIVE ENGINEERING, organised by JAWAHAR ENGINEERING COLLEGE CHENNAI, India from 03-Apr-2016 to 03-Apr-2016.

84. A.R.Shajina, P.Varalakshmi, S.J.Priya, "A Novel Dual Authentication Protocol Based on Kerberos In Cloud" presented in a International level conference on 6th International conference on science and innovative Engineering, organised by Jawahar Engineering College, India from 03-Apr-2016 to 03-Apr-2016.

85. "A NOVEL HYBRID CLASSIFICATIO N ALGORITHM IN SDN CLOUD" presented in a International level conference on 6TH INTERNATIONA L CONFERENCE ON INNOVATIVE AND EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY, organised by PANIMALAR INTITUTE OF TECHNOLGY, CHENNAI, India from 07-May-2016 to 07-May-2016.

86. "OPTIMAL MULTI-SERVER QUEUING MODEL WITH ROUTING STRATEGY IN SDN" presented in a International level conference on IEEE SPONSERED INTERNATIONA L CONFERENCE ON SCIENCE TECHNOLOGY, ENGINEERING AND MANGEMENT (ICONSTEM 2017), organised by JEPPIAAR ENGINEERING COLLEGE, CHENNAI, India from 23-Mar-2017 to 24-Mar-2017.

87. "A NOVEL HYBRID CLASSIFICATIO N ALGORITHM BASED ON BOAT AND NAIVE BAYES IN SDN CLOUD" presented in a International level conference on IEEE SPONSERED INTERNATIONA L CONFERENCE ON SCIENCE, TECHNOLOGY, ENGINEERING AND MANGEMENT (ICONSTEM 2017), organised by JEPPIAAR ENGINEERING COLLEGE, CHENNAI, India from 23-Mar-2017 to 24-Mar-2017.

88. "A Novel Hybrid Classification Algorithm Based on BOAT and Naive Bayes in SDN Cloud" presented in a International level conference on IEEE Sponsered International Conference on Science, Technology, Engineering and Mangement (ICONSTEM 2017), organised by Jeppiaar Engineering College, India from 23-Mar-2017 to 24-Mar-2017.

89. "Optimal multi-server queuing model with routing strategy in SDN" presented in a International level conference on IEEE Sponsered International Conference on Science, Technology, Engineering and Mangement (ICONSTEM 2017), organised by Jeppiaar Engineering College, India from 23-Mar-2017 to 24-Feb-2017.

90. "Optimal Big Data Storage Allocation Using Federated Cloud Data Centric Networks" presented in a International level conference on International Conference on Advances in Engineering Technology 2016 (ICAET 2016), organised by JAYA Engineering College, India from 07-May-2017 to 07-May-2017.

91. Varalakshmi P, Judgi T, "Diminishing fall-out and miss-rate in the classification of lung diseases using deep learning techniques" presented in a International level conference on 9th IEEE International Conference on Advanced Computing-ICoAC2018, organised by 9th IEEE International Conference on Advanced Computing-ICoAC2018, India from 14-Dec-2018 to 15-Dec-2018.

92. Varalakshmi P and J. Julanta Leela Rachel, "Automatic Plant Esculation Monitoring System using IoT" presented in a International level conference on IEEE Internatinal Conference on Computing and Communication Technologies- ICCCT'19, organised by IEEE Internatinal Conference on Computing and Communication Technologies- ICCCT'19, India from 21-Feb-2019 to 22-Feb-2019.

93. "Recognition of fish categories using deep learning technique" presented in a International level conference on IEEE Internatinal Conference on Computing and Communication Technologies- ICCCT'19, organised by IEEE Internatinal Conference on Computing and Communication Technologies- ICCCT'19, India from 21-Feb-2019 to 22-Feb-2019.

Current Sponsored Projects

1. "Centre for Advanced Computing Research and Education".

2. "setup of Cloud computing Laboratory", funded by FIST-DST (June-2012 - January-2013)

Programme Organized

1. Coordinator, National level Short Course on "Faculty Development Programme on Web Technology" from 01-Dec-2009 to 07-Dec-2009.

2. Coordinator, National level Short Course on "Faculty Development Programme on Internet Programming" from 07-Jun-2010 to 12-Jun-2010.

3. Coordinator, International level workshop on "Data Mining for Web Intelligence" from 20-Jan-2011 to 21-Jan-2011.

4. Coordinator, National level Short Course on "Faculty Development Programme on Theory of Computation" from 08-Jun-2011 to 12-Jun-2011.

5. Coordinator, National level Short Course on "Faculty Development Programme on Principles of Compiler Design" from 14-Nov-2011 to 20-Nov-2011.

6. Coordinator, National level workshop on "Workshop on Cloud Computing" from 12-Sep-2012 to 14-Sep-2012.

7. Coordinator, National level Short Course on "Faculty Development Programme on Principles of Compiler Design" from 04-Dec-2014 to 10-Dec-2014.

8. Coordinator, National level workshop on "Cloud Based Machine Learning Algorithms for Big Data Mining" from 17-Feb-2015 to 21-Feb-2015.

9. Coordinator, National level workshop on "Cloud Computing Technology and Tools" from 11-Sep-2015 to 13-Sep-2015.

Programme Attended

1. Participated in a International level conference on "International Conference on Signal Processing, Communication and Networking (ICSCN 2008)" organized by a from 04-Jan-2008 to 06-Jan-2008.

2. Participated in a International level conference on "International Conference on Advanced Computing and Communication (ADCOM 2008)" organized by Anna University from 14-Dec-2008 to 17-Dec-2008.

3. Participated in a National level workshop on "TEQIP sponsored Workshop on Virtualization Techniques" organized by Anna University from 08-Apr-2009 to 09-Apr-2009.

4. Participated in a International level conference on "International Conference on Advanced Computing (ICAC 2009)" organized by Anna University from 13-Dec-2009 to 15-Dec-2009.

5. Participated in a International level workshop on "International Workshop on Cloud Computing" organized by Anna University from 20-Oct-2010 to 20-Oct-2010.

6. Participated in a International level workshop on "FDP ON WEB TECHNOLOGY" organized by MIT, ANNA UNIVERSITY, CHENNAI,, TAMIL NADU from 04-Dec-2010 to 10-Dec-2010.

7. Attended a National level Short Course on "Faculty Development Programme on Free / open Source Software (FOSS -2011)" organized by Anna University from 16-Feb-2011 to 19-Feb-2011.

8. Attended a International level Short Course on "Faculty Development Programme on Grid Computing" organized by Anna University from 14-May-2011 to 20-May-2011.

9. Participated in a International level conference on "International Conference on Recent Treads in Information Technology (ICRTIT 2011)" organized by Anna University from 03-Jun-2011 to 05-Jun-2011.

10. Attended a International level seminar on "THEORY OF COMPUTATION" organized by VELLAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI, TAMIL NADU from 17-Sep-2011 to 17-Sep-2011.

11. Participated in a National level workshop on "Workshop on simulation of advanced networks using NS-2 (WSAN 11)" organized by Anna University from 02-Dec-2011 to 03-Dec-2011.

12. Participated in a International level workshop on "UGC sponsored workshop on soft computing" organized by Anna University from 21-Mar-2012 to 22-Mar-2012.

13. Attended a International level seminar on "PRINCIPLES OF COMPILER DESIGN" organized by VELLAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI, TAMIL NADU from 31-Mar-2012 to 31-Mar-2012.

14. Attended a National level Short Course on "Open Stack and Eucalyptus-Open Source Tools to Set up a private cloud" organized by KSR College of Technology, Tiruchengode, Namakkal, India from 03-Jun-2013 to 15-Jun-2013.

15. Attended a National level Short Course on "Faculty Development Programme on Cryptography & Security" organized by Anna University, Chennai, India from 24-Jun-2013 to 30-Jun-2013.

16. Participated in a International level conference on "International Conference on Recent Treads in Information Technology" organized by Department of Information Technology, MIT Campus, Anna University, India from 25-Jul-2013 to 27-Jul-2013.

17. Participated in a International level conference on "International Conference on Information and Communication Engineering " organized by IRD India, India from 27-Oct-2013 to 27-Oct-2013.

18. Participated in a National level workshop on "FDP ON EXPLOITING CLOUD COMPUTING FOR REAL TIME APPLICATIONS," organized by GOVT COLLEGE OF ENGINEERING, BARGUR,, INDIA from 18-Nov-2013 to 24-Nov-2013.

19. Participated in a National level workshop on "FDP ON PROGRAMMING AND DATA STRUCTURS I," organized by MIT, ANNA UNIVERSITY, CHENNAI,, TAMIL NADU from 03-Dec-2013 to 05-Dec-2013.

20. Attended a National level Short Course on "Faculty Development Programme on Digital Image Processing" organized by Anna University, Chennai, India from 09-Dec-2013 to 15-Dec-2013.

21. Participated in a International level conference on "International Conference on Advanced Computing" organized by Department of Computer Technology, MIT Campus, Anna University, India from 18-Dec-2013 to 20-Dec-2013.

22. Participated in a National level workshop on "Workshop on Computational Intelligence for Big Data" organized by MIT Campus, Anna University, Chennai, India from 07-Feb-2014 to 08-Feb-2014.

23. Participated in a National level workshop on "FDP ON CRYPTOGRAPHY AND NETWORK SECURITY" organized by DHANALAKSHMI COLLEGE OF ENGINEERING, CHENNAI,, TAMIL NADU from 19-Jun-2014 to 21-Jun-2014.

24. Participated in a National level workshop on "FDP ON PROGRAMMING ON JAVA PROGRAMMING" organized by ST.PETERS COLLEGE OF ENGINEERING AND TECHNOLOGY,CHENNAI, TAMIL NADU from 23-Jun-2014 to 30-Jun-2014.

25. Participated in a National level conference on "Workshop on Big Data Analytics" organized by Madras Institute of technology, Anna University, India from 21-Nov-2014 to 22-Nov-2014.

26. Participated in a International level conference on "International Conference on Advanced Computing " organized by Department of Computer Technology, MIT Campus, Anna University, India from 17-Dec-2014 to 19-Dec-2014.

27. Participated in a National level workshop on "Workshop on Social Network Mining and Analysis" organized by CEG Campus, Anna University, India from 29-Jan-2015 to 30-Jan-2015.

28. Attended a National level seminar on "PRINCIPLES OF COMPILER DESIGN" organized by VELLAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI, TAMIL NADU from 10-Feb-2015 to 10-Feb-2015.

29. Participated in a International level workshop on "FDP ON CLOUD BASED MACHINE LEARNING ALGORITHM FOR BIG DATA MINING." organized by ANNA UNIVERSITY, CHENNAI, TAMIL NADU from 17-Feb-2015 to 21-Feb-2015.

30. Participated in a National level workshop on "FDP ON CLOUD DATA ANALYSIS, MINING , INTEROPERABILITY, AND SECURITY" organized by ANNA UNIVERSITY, CHENNAI, TAMIL NADU from 16-Mar-2015 to 20-Mar-2015.

31. Attended a National level seminar on "ASSOCIATION - CYGNUS'15" organized by DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, Tamilnadu, INDIA from 21-Aug-2015 to 21-Aug-2015.

32. Attended a National level Short Course on "Faculty Development Programme on Embedded System" organized by Madras Institute of technology, Anna University, India from 30-Nov-2015 to 06-Dec-2015.

33. Attended a National level Short Course on "SHORT TERM TRAINING PROGRAM UNDER TEQIP PHASE -II EMERGING TRENDS IN PERVASIVE AND MOBILE COMPUTING" organized by PONDICHERRY ENGINEERING COLLEGE, Tamilnadu,INDIA from 28-Apr-2016 to 04-May-2016.

34. Participated in a International level workshop on "FDP ON GRID CLOUD COMPUTING AND DATA MINING" organized by SRI SAIRAM INSTITUTE OF TECHNOLOGY, INDIA from 20-Jun-2016 to 24-Jun-2016.

35. Attended a National level Short Course on "COMPUTER NETWORKS" organized by PONDICHERRY UNIVERSITY, INDIA from 10-Nov-2017 to 10-Nov-2017.

Invited Lectures

1. Delivered a Lecture on "XML programming, Java script, Java programming " in Faculty Development Programme on Web Technology organized by Anna University, Chennai (01-Dec-2009).

2. Delivered a Lecture on "HTML, XML programming, Java script, Java programming " in Faculty Development Programme on Internet Programming organized by Anna University, Chennai (07-Jun-2010).

3. Delivered a Lecture on "Compiler Design " in Invited Lectures organized by Adhiparasakthi Engineering College , Melmaruvathur (20-Nov-2010).

4. Delivered a Lecture on "Data Management in Grid Computing" in Faculty Development Programme on Grid Computing organized by Anna University, Chennai (18-Feb-2011).

5. Delivered a Lecture on "Deterministic and Non-deterministic automata, CFG, Deterministic and Non-deterministic PDA, Turing Machine, and Parser " in Faculty Development Programme on Theory of Computation organized by Anna University, Chennai (08-Jun-2011).

6. Delivered a Lecture on "Theory of Computing " in Invited Lectures organized by Vellammal Engineering College , Chennai (17-Sep-2011).

7. Delivered a Lecture on "Lexical Analysis, Syntax Analysis, Intermediate Code Generation, Code Optimization Techniques, and Code Generation " in Faculty Development Programme on Principles of Compiler Design organized by Anna University, Chennai (14-Nov-2011).

8. Delivered a Lecture on "Basic Grid Computing " in Faculty Development Programme on Grid Computing organized by Rajalakshmi Engineering College, Chennai (14-Nov-2011).

9. Delivered a Lecture on "Compiler Design " in Invited Lectures organized by Vellammal Engineering College , Chennai (31-Mar-2012).

10. Delivered a Lecture on "Security Management in Cloud Computing" in Workshop Programme on Cloud Computing organized by Anna University, Chennai (07-Apr-2012).

11. Delivered a Lecture on "Security in Cloud Computing" in FDP on Security in Wireless Heterogeneous Networks-Issues and Challenges organized by Anna University, Chennai (15-Apr-2013).

12. Delivered a Lecture on "Cloud Computing-Map Reduce Framework" in Invited Lectures organized by Government College of Engineering, Bargur (18-Nov-2013).

13. Delivered a Lecture on "XML Programming " in Faculty Development Programme on Web Technology organized by Anna University, Chennai (04-Dec-2013).

14. Delivered a Lecture on "Single and Doubly Linked List " in Faculty Development Programme on Data Structure organized by Anna University, Chennai (10-Dec-2013).

15. Delivered a Lecture on "Simple DES-AES-RC4-RSA-Attacks-Primality Test " in Faculty Development Programme on Cryptography & Network Security organized by Dhanalakshmi College of Engineering, Chennai (19-Jun-2014).

16. Delivered a Lecture on "Contructors-Packages-Polymorphism-Dynamic Binding in java" in Faculty Development Programme on Java Programming organized by St. Peter's College of Engineering & Technology, Chennai (23-Jun-2014).

17. Delivered a Lecture on "Cloud-Security" in Workshop on Cloud Based Machine Learning Algorithm for Big Data Mining organized by CEG, Anna University , Chennai (17-Feb-2015).

18. Delivered a Lecture on "Introduction to Hadoop and Mapreduce" in Workshop on Cloud Data Analysis, Mining, Interoperability, and Security organized by CEG, Anna University , Chennai (16-Mar-2015).

19. Delivered a Lecture on "Mobile Cloud Computing" in Short term training programme on emerging trends in pervasive & mobile computing organized by Pondicherry Engineering College, Puducherry (02-May-2016).