

**Dr. A.BALAMURUGAN**



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Department of Computer Science and Engineering,  
Sri Krishna College of Technology,  
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**EDUCATIONAL QUALIFICATION:**

B.E., (ECE) – First Class

Institute of Road and Transport Technology, Erode. – Bharathiar University, Coimbatore  
1987 – 1991

M.E., (CSE) – First Class

Government College of Technology, Coimbatore. - Bharathiar University, Coimbatore  
1999 – 2001

Ph.D. (Wireless Sensor Networks)

Government College of Technology, Coimbatore. - Anna University, Chennai  
2007 – 2013

**WORK EXPERIENCE:**

Teaching Experience: 25 Years 8 Months

Research Experience: 12 Years

Sr. No.	Position held (Designation)	Name of the Institution	Period of Employment	
			From	Till
1.	Professor	Sri Krishna College of Technology	01.08.2006	Till date
2.	Assistant Professor	VLB Janakiammal college of engineering and technology.	01.06.2005	31.7.2006
3.	Senior Lecturer	VLB Janakiammal college of engineering and technology	01.12.2001	30.5.2005
4.	Lecturer	VLB Janakiammal college of engineering and technology	01.09.1992	30.11.2001

**PUBLICATION DETAILS:**

Number of Journal publications: 16

Number of Conference publications: 22

**PUBLICATIONS IN JOURNALS:**

1. A.Balamurugan, T.Purushothaman "Minimum Power Configuration (MPC) approach for optimizing power consumption in Wireless Sensor Networks," in Ubiquitous Computing and Communication Journal (UBICC Journal), Volume 5, Special Issue – CCITA 2010, ISSN 1994-4608.
2. A.Balamurugan, T.Purushothaman, S. Uma Maheshwari "Efficient Coverage and Connectivity with Minimized Power Consumption in Wireless Sensor Networks" in International Journal of Computer and Network Security (IJCNS), Volume 2, No.10, 2010, pp214-225.

3. A.Balamurugan, T.Purushothaman, "Coverage eligibility rule based coverage maintenance protocol for energy conservation in Wireless Sensor Networks" in Journal of Computer Science (JCS), 7(10) : 1545-1553,2011, ISSN 1549-3636.
4. A.Balamurugan, T.Purushothaman, "IPSD: New Coverage Preserving and Connectivity Maintenance Scheme for Improving Lifetime of Wireless Sensor Networks" in WSEAS Transactions on Communications, Issue 1, Volume 11, January 2012, E-ISSN: 2224-2864.
5. R.Shrikeerthana, A. Balamurugan, "Intelligent Security System with Wireless Sensors" in International Journal of Computer Applications, Volume 60-No.15, December 2012(0975-8887).
6. R.Indhu, A. Balamurugan, "An Improved method for Multiple Target Tracking in WSN" in International Journal of Research in Computer Applications and Information Technology, Volume 2, Issue 1, March 2014, pp.09-16.ISSN 2347-5099.
7. A. Balamurugan, "An Energy Efficient Fitness based Routing Protocol in Wireless Sensor Networks" in ICTACT Journal on Communication Technology, March 2014, Volume 5, Issue 1, pp 894-899.
8. R.Indhu, A. Balamurugan, E.Merlin Mercy "An Improved Energy Efficient Multipath Routing in WSN" in International Journal of Computer Science and Mobile Computing, Volume 3, Issue 5, May 2014, pp 201-209. ISSN 2320 – 088X.
9. R.Mehala , A. Balamurugan, "A Survey on Enhanced Energy Efficient Data Gathering Scheme in Wireless Sensor Networks" in International Journal of Science and Research, Volume 3, Issue 11, Nov 2014, pp 1686-1689. ISSN 2319 – 7064.
10. R.Mehala, A. Balamurugan, "An Efficient Data Aggregation Scheme and Cluster Optimization in Wireless Sensor Networks", in International journal of Innovative Research in Computer and Communication Engineering, Volume 3, Issue 3, March 2015, pp 1706-1712. ISSN 2320 – 9801.
11. R.Mehala , A. Balamurugan, " An Enhanced Energy Efficient Routing Scheme in Wireless Sensor Networks" , in international journal of Advanced Research in Computer Science, Volume 6, Issue 2, April 2015.ISSN No.0976-5697.
12. A. Balamurugan, G. Navin Siva Kumar, S.Raj thilak, P.Selvakumar, "Automated Emergency System in Ambulance to Control Traffic Signals using IoT " in international

journal of Engineering And Computer Science, ISSN:2319-7242,Volume 4, Issue 4 ,April 2015, PP.11533-11539.

13. S. Niranjana A. Balamurugan, "Intelligent E-Health Gateway Based Ubiquitous Healthcare Systems in Internet of Things" in International Journal of Scientific Engineering and Applied Science,ISSN 2395-3470,Volume 1,Issue 9,pp 284-290,December 2015.
14. S. Niranjana, A. Balamurugan, "Automation Testing using coded UI Test" in International Journal of Scientific Engineering and Applied Science,ISSN 2395-3470,Volume 1,Issue 9,pp 284-290,April 2016.
15. A. Balamurugan, S. Arul selvi , A.Syed Hussain , A.Nithin, "Stock Selection using Principal Component Analysis with Differential Evolution", in International Journal of Computer Science Trends and Technology (IJCST), Volume 5 Issue 2 , March-April 2017, ISSN: 2347-8578 ,pp.160-164.
16. Mani Nandhini sri, Mani Nivedhini, A. Balamurugan, "Data Mining with Elastic", IJSRST, Vol 3 Issue 3, ISSN :2395-6011

#### **PUBLICATIONS IN CONFERENCES:**

1. A.Balamurugan, S.Athirai, T.Rani Chandra, "Physiological communication via eye blinks-A new approach in the detection and duration analysis." In the proceedings of the National Conference on Advanced image processing and networking (NACIPAN 04), National Engineering College, Kovilpatti, Tamilnadu , February 13<sup>th</sup> &14<sup>th</sup> , 2004(148-153).
2. E.Prince Edward, S.J.K. Jagadeesh Kumar, A. Balamurugan "Addressing routing issues in Mobile IP : A SIP Based Approach" In the proceedings of the International Conference on computers, controls and communication (INCON-CCC-2004), Sri Sai Ram Engineering College, Chennai., 20<sup>th</sup> to 22<sup>nd</sup> August, 2004 (80-88).
3. A.Balamurugan, A.Jameer Basha "An effective terminode Routing technique for Mobile Adhoc Networks" In the proceedings of the International Conference on Digital Communication and computer Applications DCCA 2007 organized by Faculty of computer & Information technology, Jordan University of Science and technology, Jordan, 19<sup>th</sup> to 22<sup>nd</sup> March, 2007,(1327-1335).

4. A.Balamurugan, A.Jameer Basha "A New Framework for Content based Image Retrieval using Indexed vectors of Texture Feature" In the proceedings of the Third National Conference on Innovations in Information & Communication Technology NCICT 2007, PSG college of Technology, Coimbatore, 21<sup>st</sup> & 22<sup>nd</sup> September, 2007,(117-123).
5. A.Balamurugan, M.Savitha Shree, H.Shree Ram, G. Vidya "Intellectual Scrutinizer for compute, storage, Network and System Characteristics of Linux system" In the proceedings of the International Conference on Information Society. (I-Society 2007), Merrillville, Indiana, USA ISBN 0-9546628-1-4, 7<sup>th</sup> to 11<sup>th</sup> October, 2007, (111-116)
6. S.J.K. Jagadeesh Kumar, A. Balamurugan, S. Uma Maheshwari, "Security in Mobile Adhoc Networks" In the proceedings of the 2<sup>nd</sup> International Conference on Advanced computing & Communication Technologies (ICACCT-2007), organized by ASIA PACIFIC INSTITUTE OF INFORMATION TECHNOLOGY Panipat (Haryana), India, 3<sup>rd</sup> & 4<sup>th</sup> November, 2007(387-392).
7. S.J.K. Jagadeesh Kumar, A. Balamurugan, S. Uma Maheshwari "Performance evaluation of proactive and reactive routing protocol in Adhoc Networks" In the proceedings of the 2<sup>nd</sup> International Conference on Advanced computing & Communication Technologies(ICACCT-2007), organized by ASIA PACIFIC INSTITUTE OF INFORMATION TECHNOLOGY Panipat (Haryana), India, 3<sup>rd</sup> & 4<sup>th</sup> November, 2007,(398-401).
8. Gopika Rani. N, A. Balamurugan, "Self Organizing Mobile Sensor Network: A distributed solution to coverage problem" In the proceedings of the 7<sup>th</sup> national Conference on advanced Computing & Applications (NCACA-2008), organized by Department of CSE, PSG College of Technology, Coimbatore, 4<sup>th</sup> & 5<sup>th</sup> January 2008.
9. A.Balamurugan, S.Swarnawalli, A.Diviya, A. Lavanya "Improving Energy Consumption of Mobile Elements with Dynamic Deadlines and Waiting States" In the proceedings of the National Conference on Recent Trends in Information and Communication Technology RTICT-2008, Bannari Amman Institute of Technology, Sathyamangalam, 17<sup>th</sup> & 18<sup>th</sup> March 2008.

10. A.Balamurugan, S.Swarnawalli, A.Diviya, A. Lavanya "A New Enerrgy Efficient Scheduling for Mobile Elements in Wireless Sensor Networks" In the proceedings of the National Conference on Recent Advances in Computer Technologies at Karunya University, Coimbatore, 28<sup>th</sup> March 2008.
11. S.V.N.G Bavithi Raja, A. Balamurugan "A New Multisource Reliable Broadcasting in Mobile Adhoc Network" In the proceedings of the National Conference on Recent Trends in Information & Communication Technology at Bannari Amman Institute of Technology RTICT-2008, Sathyamangalam, 17<sup>th</sup> & 18<sup>th</sup> March 2008.
12. S.V.N.G. Bavithi Raja, A. Balamurugan "Scheduling of Broadcasts in Mobile Adhoc Networks, In the proceedings of the Second National Conference on Computing & Communication (NCCC'08) at Dr.Mahalingam College of Engg & Tech, Pollachi, 8<sup>th</sup> & 9<sup>th</sup> April 2008,(98-103).
13. S.J.K. Jagadeesh Kumar, A. Balamurugan , S.Uma Maheshwari, "Video Performance Evaluation of AODV and MAODV routing protocols in Adhoc Networks" In the proceedings of the Second National Conference on Computing & Communication (NCCC'08) at Dr.Mahalingam College of Engg & Tech, Pollachi, 8<sup>th</sup> & 9<sup>th</sup> April 2008,(121-125).
14. S.J.K. Jagadeesh Kumar, A. Balamurugan, M. Devapriya S.Uma Maheshwari, "SAAL: Security at all levels in a wireless sensor Network" In the proceedings of the International Conference on Communication, Convergence and Broadband Networking (ICCBN-2008) at IISC Bangalore, 17<sup>th</sup> to 20<sup>th</sup> July 2008.
15. A.Balamurugan , S.Uma Maheshwari, "Minimum Power Consumption with Efficient Coverage & Connectivity in Wireless Sensor Networks" In the proceedings of the Trends in Industrial Measurements and Automation (TIMA – 2009) at MIT Campus, Chennai, 5<sup>th</sup> & 6<sup>th</sup> Jan 2009 (295-300).
16. A.Balamurugan , Uma Maheshwari.S, P.K.Manju, "Enhancing QoS in Routing for Wireless Sensor Networks using Medial Axis Protocol" In the proceedings of the National Conference on Computing , Communication and Information Systems ( NCCCIS 2009) at Sri Krishna College of Engineering & Technology , Coimbatore - 08. 13<sup>th</sup> & 14<sup>th</sup> Feb 2009(37-41).

17. A.Balamurugan, T.Purushothaman, S. "Minimum Power Configuration (MPC) Approach for Optimizing Power Consumption in Wireless Sensor Networks" In the proceedings of the International Conference on Computing, Communication and Information Technology Applications, ISBN 978-81-909789-0-3, 21-23 Jan 2010(391-396).
18. A.Balamurugan, Estimating the Bandwidth for IEEE 802.11 based Wireless Ad-Hoc Networks, First International Conference on Intelligent Design and Analysis of Engineering Products, Systems and Computation held at Sri Krishna College of Engineering & Technology, Coimbatore, July 9& 10, 2010.
19. A.Balamurugan, Energy Efficient Data Mule scheduling in wireless sensor networks, First International conference on innovations in computers, Information and communications held at PSG college of Technology, Coimbatore, January 6<sup>th</sup> & 7<sup>th</sup> 2012.
20. A.Balamurugan, Intellectual Protection with Wireless Sensors, Sixth National conference on Electrical and Instrumentations Systems held at Government College of Technology, Coimbatore, April 13<sup>th</sup> 2013.
21. A.Balamurugan, P.Anbarasi, R.A. Sowdeeshwari Sowmya, P.Sukanya."Highly secured sharing of PHP in Cloud", In the proceedings of the seventh National Conference on Recent Trends in Information and Communication Technology RCICT-2014 at Bannari Amman Institute of Technology, March 21<sup>st</sup> 2014(14-18).
22. T.Bhavadharni, R.Jenice Aroma and A.Balamurugan, Adaptive Spatial object Classification in Hyper Spectral Image Datasets through applying Effective Optimization Techniques International Conference on Innovative Techniques for Sustainable Earth & Environment (ICITSEE), Period: 11-13th December 2017.

#### **PATENTS FILED/PUBLISHED:**

1. N.Kiruthiga, A.Balamurugan, P.Tamijeselv, J.Sharmila, Indian patent under filing, titled, "H2 Buddy-Smart Personal Safety and Security assistance System (24.12.2017, Application Number:201741043540 A).Published by Indian patent Office on Dec. 15, 2017 in **Journal No. 50/2017**.

2. R.Sujatha, A.Balamurugan, titled, "Drone Grove- A Smart Copter for cleaning Railway Track" (Provisional patent filed on 11.12.2017, Application Number: 201741044330)
3. S. Anto, J. Beschi Raja, P.Madhavan, A.Balamurugan, SJK.Jagadeeshkumar, A.Sampathkumar, Indian patent under filing, titled, "Remote Medico: An Intelligent Device to Track and treat the Dengue Patient of Remote Village" (14.03.2018, Application Number: 201841009264 A). Published by Indian patent Office on March 23, 2018 in **Journal No. 12/2018**.
4. M.devapriya, A.Balamurugan, S.Anu, S.Gomathi, R.Vinesh, R.Ruban, R.Sriram, S.Sreegandh, Indian patent under filing, titled, "Ubiquitous Wearable: Smart Health Monitoring System" (19.03.2018, Application Number: 201841009895 A). Published by Indian patent Office on March 23, 2018 in **Journal No. 12/2018**.
5. R.Anithanithya, A.Balamurugan, P.Tamijeselvy, R.Sujatha, P.Ranjitha, Indian patent under filing, titled, "Notify Parents on Kid's Safety Monitoring and Alarm System using IOT" (19.03.2018. Application Number: 201841009913 A). Published by Indian patent Office on March 23, 2018 in **Journal No. 12/2018**.

#### **DETAILS OF GUEST LECTURES DELIVERED:**

1. Delivered hands on session on Network Simulator – NS2 at DRDO Sponsored Two days Workshop on ADVANCES IN MOBILE AND WIRELESS NETWORK TECHNOLOGIES, VLB Janakiammal College of Technology, Coimbatore on 25th & 26th March 2009.
2. Delivered a seminar on "Coverage Strategies for Wireless Sensor Networks" on 3.08.2011 at Government College of Technology, Coimbatore.
3. Delivered a special seminar on "Energy Conservation schemes for improving Lifetime in WSN" on 15.02.2011" at Government College of Technology, Coimbatore.
4. Chaired a session titled "Mobile Networks" in the International Conference on Advanced Communications system ICACS 2007 organized by Government College of Technology, Coimbatore held during the period from 10<sup>th</sup> to 12<sup>th</sup> January 2007.



5. Chaired a session titled “Data Communications and Networking” in the International Conference on Digital Communications and Computer Applications DCCA 2007 organized by Jordan University of Science and Technology, Jordan held during the period from 19<sup>th</sup> to 22<sup>nd</sup> March 2007.
6. Chaired a Technical session in the National Conference on “Frontiers of Computer Science and Computation Technologies NCFCSCT 2013” organized by Sri Ramakrishna Engineering College, Coimbatore held during the period from 12<sup>th</sup> to 13<sup>th</sup> April 2013.
7. Delivered a keynote address in the International Conference on “Adaptive Technologies for Sustainable Growth ICATS 2014”, Organized by Paavai Engineering College, Namakkal, on 09-05-2014.
8. Resource person for the faculty development program on “Compiler Design” at Sri Ramakrishna Engineering College, Coimbatore.

#### **RESEARCH PROJECTS COMPLETED:**

1. Principal Investigator for establishing Wireless Communication Laboratory under MODROB Scheme Sponsored by AICTE, New Delhi. Received a grant of Rs. **14.83 Lakhs. (2010-2012)**
2. Coordinator for the project titled “Virtual Computer Centre using Cloud Computing (VC4)” funded by the Institution.

#### **RESPONSIBILITIES HELD:**

##### **Institute Level:**

1. IQAC Coordinator since 2015-16.
2. Member of the disciplinary committee
3. Member of Anti Ragging Committee
4. Member of Library Advisory committee.
5. Chairman, Time Table Committee from 2005 to 2010.

6. NAAC Steering Committee Coordinator, during the first cycle visit in 2015 and successfully obtained NAAC accreditation with A grade.
7. Governing body member Since 2015
8. Hostel Warden since 2014
9. Member of Curriculum Development Cell (CDC) of the college since 2015
10. Headed the Committee in preparing the AICTE and Anna University yearly reports and New Course Application Performa's during the period from 2004 to 2012.
11. Headed the Committee in preparing the Autonomous Application form in the year 2009-2010.
12. Coordinated and conducted the various events in the institution.

**Department Level:**

1. Heading the department of computer science and Engineering from July 2014 till date.
2. Heading the department of Information Technology in SKCT from May 2006 to June 2014.
3. Successfully obtained NBA accreditation for IT-SKCT ( 2008 and 2013 ) and CSE-SKCT (2018)
4. Student Branch Counselor for CSI student chapter of SKCT Since 2007
5. Chairman, Board of studies for IT department from 2011 to 2013.
6. Chairman, Board of studies for CSE department since 2014.
7. Establishing relationship with industry for curriculum design.
8. Established industry supported laboratories for VMware, Cloud bull
9. Established Machine learning Lab.
10. Supported the activities in technical clubs that include IoT, Open Source Software, Machine learning, Programming and Mobile App Development club
11. Signed MoUs with various industries.
12. Guided number of UG and PG projects which has resulted in student paper publications
13. Organized various government funded Seminars / Workshops.

### **ORGANIZER OF CONFERENCES/ WORKSHOP/SEMINAR:**

1. Co-ordinator for the One day seminar on “Mobile Computing and Parallel Algorithms” organized for the CSE and IT departments, 14<sup>th</sup> Feb 2004.
2. Co-ordinator for the One day seminar on “Software Testing” organized for the CSE and IT department, December 2004.
3. Organized a short term course on “IT Training Program for Police Personnel”, August to September 2002.
4. Co-ordinator for the One day seminar on “Image Processing and its Applications” organized for the CSE and IT Departments on 8<sup>th</sup> August 2006.
5. Co-ordinator for the One day seminar on “New Perspectives in Research Techniques” on 18<sup>th</sup> November 2006.
6. Organized a Two days’ workshop on “Recent Trends in Wireless Computing and Research” during the period from December 9<sup>th</sup> to 10<sup>th</sup> 2006.
7. Organized a One Day Workshop on “Multimedia & its Application” on 16<sup>th</sup> February 2009.
8. Organized a One day Seminar on “Computational Intelligence & Image Processing” on 20<sup>th</sup> February 2009.
9. Organized a One day Seminar on “Routing Issues in Wired & Wireless Networks” on 5<sup>th</sup> March 2009.
10. Organized a One day Seminar on “.NET and SDLC Protocols” on 12<sup>th</sup> March 2009.
11. Organized a Two day workshop on “Advances in Mobile & Wireless Network Technologies” sponsored by DRDO on 25<sup>th</sup> & 26<sup>th</sup> March, 2009.
12. Organized Two day Workshop on “Software Requirements Engineering” Sponsored by AICTE, New Delhi on 10<sup>th</sup> & 11<sup>th</sup> July, 2009.
13. Organized One day Seminar on “Cloud Computing” on 24<sup>th</sup> July, 2009.
14. Organized Two day workshop on “Data mining and its applications in healthcare prediction systems” sponsored by DST on 24<sup>th</sup> & 25<sup>th</sup> September 2009.
15. Organized Two day Workshop on “ Research Directions in Virtualization” Sponsored by CSIR held at V.L.B. Janakiammal College of Engineering and Technology, Coimbatore on 20<sup>th</sup> & 21<sup>st</sup> November 2009

16. Organized an International Conference on Computing, Communication and Information Technology Applications during Jan 21-23, 2010 Sponsored by DST, DRDO, ISRO, ICSSR and CSI.
17. Organized a Two day Workshop on “Web 2.0 Tools and RIA (Rich Internet Applications)” during 27<sup>th</sup> and 28<sup>th</sup> August 2010.
18. Organized a Two day Seminar on “Global Trends and Benchmarks in Green IT” Sponsored by CSIR held at V.L.B. Janakiammal College of Engineering and Technology, Coimbatore on 19<sup>th</sup> & 20<sup>th</sup> November 2010.
19. Organized a One day Workshop on “Optimization of Online Query Processing in Database Systems” Sponsored by DRDO held at V.L.B. Janakiammal College of Engineering and Technology, Coimbatore on 11<sup>th</sup> March 2011.
20. Organized a Two day Workshop on “Cloud Computing in Educational Institutions” Sponsored by DRDO held at V.L.B. Janakiammal College of Engineering and Technology, Coimbatore on 23<sup>rd</sup> and 24<sup>th</sup> September 2011.
21. Organized a Two day Seminar on “Emerging Issues and Challenges in Cyber Security” Sponsored by CSIR held at V.L.B. Janakiammal College of Engineering and Technology, Coimbatore on 29<sup>th</sup> and 30<sup>th</sup> September 2011.
22. Organized a One day Seminar on “Earth Observing System for Global Sustainability” Sponsored by MOES held at Sri Krishna College of Technology, Coimbatore on 12<sup>th</sup> July 2012.
23. Organized a One day Workshop on “Green Computing in Cloud” Sponsored by TNSCST held at Sri Krishna College of Technology, Coimbatore on 28<sup>th</sup> September 2012.
24. Organized a One day Seminar on “Contribution to open source” on 23<sup>rd</sup> August 2014.
25. Organized a Guest Lecture on “Approaching Industry expectations” on 23<sup>rd</sup> August 2014.
26. Organized a One day “Seminar on “PHP and Python Programming” 23<sup>rd</sup> August 2014.
27. Organized a One day Workshop on “Android Development” on 28<sup>th</sup> August 2014.

28. Organized a Seminar on "Life of an Engineer" on 13<sup>th</sup> February 2015.
29. Organized a Seminar on "Continuous Integration and Unit Testing on 20<sup>th</sup> February 2015.
30. Organized a Seminar on "Entrepreneurship and Innovation" on 20<sup>th</sup> February 2015.
31. Organized a Seminar on "Pattern Warehouse" on 27<sup>th</sup> February 2015.
32. Organized a Seminar on "IT Service Management" on 2<sup>nd</sup> March 2015.
33. Organized a Seminar on "Study in Foreign University" on 7<sup>th</sup> July 2015.
34. Organized a Seminar on "Software Testing" on 9<sup>th</sup> July 2015.
35. Organized a Seminar on "Cyber Security on 16<sup>th</sup> July 2015
36. Organized a Two days workshop on "Cloud Computing cum Championship" with IIT Delhi and VBM technologies Pvt. Ltd., during 27<sup>th</sup> -28<sup>th</sup> July 2015.
37. Organized a Guest Lecture on "Human Values" on 10<sup>th</sup> August 2015.
38. Organized a One day workshop on "Gradle Development" on 13<sup>th</sup> August 2015.
39. Organized a One day Workshop on "Programmer Code" on 18<sup>th</sup> August 2015.
40. Organized a One day workshop on "PHP-MySQL" on August 20<sup>th</sup> 2015.
41. Organized a Guest Lecture – Video Conference on "Expectations from IT Industry" on 21st August 2015.
42. Organized a Special Lecture on "Meeting Industry Expectations" on 12<sup>th</sup> September 2015.
43. Organized a Workshop on "Open Source Contribution and Linux Application Development" on 12<sup>th</sup> September 2015.
44. Organized a Seminar on "Software Testing" on 12<sup>th</sup> September 2015.
45. Organized a Workshop on "Ruby on Rails" on 18<sup>th</sup> September 2015.
46. Organized a Seminar on "Cyber Security" on 9th October 2015.
47. Organized a Seminar on "Research Issues in Image Processing" on 9<sup>th</sup> October 2015.
48. Organized a Workshop on "Java on Eclipse" on 10<sup>th</sup> October 2015.
49. Organized a Seminar on "SAP" on 10<sup>th</sup> October 2015.
50. Organized a Seminar on "How to Write Effective Project Proposals" on 9<sup>th</sup> October 2015.

51. Organized a Skill Development Programme on “Basic s of Computing” for school teachers during October 28<sup>th</sup> and 29<sup>th</sup> 2015.
52. Organized a “Seminar on Higher Education in Abroad” on 23rd January 2016.
53. Organized a two days’ Workshop on ‘Android Application Development’ during January 29<sup>th</sup> and 30<sup>th</sup> 2016.
54. Organized a Seminar on “Enterprise One ERP” on February 19th 2016.
55. Organized a two days’ Workshop on “Bigdata & Hadoop” during February 23rd and 24th 2016.
56. Co-ordinator for the Conference on ‘Research Challenges in IoT and Cloud Computing’ on March 3rd 2016.
57. Organized a Seminar on “A Technical Contest ‘E-VERGE 2k16’ on March 18<sup>th</sup> 2016.
58. Organized a Workshop on “Big data analytics with Solar” on August 6<sup>th</sup> 2016.
59. Organized an FDP on “Data Center Virtualization fundamentals” on August 26<sup>th</sup> and 27<sup>th</sup> 2016.
60. Organized a Guest Lecture on “Computer Hardware and Network Essentials” on December 12<sup>th</sup> 2016.
61. Organized one day seminar on “ IoT and Its Applications” on January 23<sup>rd</sup> 2017.
62. Organized a Guest Lecture on “Data Visualization and Analytics” on March 24<sup>th</sup> 2017.
63. Organized a Guest Lecture on “Machine Learning and its Applications” on March 31<sup>st</sup> 2017.
64. Organized a Guest Lecture on “Importance of Intermediate Languages” on March 31<sup>st</sup> 2017.
65. Organized a Guest Lecture on “Ethical Hacking Techniques” on April 11<sup>th</sup> 2017.
66. Organized a “Webniar session on Data Analytics” on April 24<sup>th</sup> 2017.
67. Organized a Faculty Development Program on “Data Structures & Applications” on June 27<sup>th</sup> and 28<sup>th</sup> 2017.
68. Organized a “Placement Motivational Talk” on July 18<sup>th</sup> 2017.

69. Organized an Interactive session with Dr. Prabhaker Mateti, Associate Professor, Department of Computer Science and Engineering, Wright State University, USA on 11<sup>th</sup> August 2017.
70. Organized a Guest Lecture on “Design of Smart Systems using Cloud Based IOT Framework” on 19<sup>th</sup> August 2017.
71. Organized an Interactive session with Mr.Vigneshwaren Paramathayalan, Principal Consultant, Cloud Bull, and Chennai on 19<sup>th</sup> August 2017.
72. Organized a Guest Lecture on “Building Intelligent Models Using Standalone AI Approaches” on 21st August 2017.
73. Organized a Workshop on “Enterprise Application Development on Cloud” on 30.08.2017 to 31.08.2017.
74. Organized a “Techfest 2k18” in association with CSI student chapter of SKCT on 17.02.2018
75. Organized a One day workshop on “Virtual Reality” on 16.3.2018.
76. Organized a Guest Lecture on “Trusted Computing” on 21.3.2018.

#### **PROFESSIONAL AFFILIATION:**

1. Member- ACM (USA)
2. Life Member of Advanced Computing and Communications Society (ACS) - India
3. Member- Computer Society of India
4. Life Member- ISTE - India
5. Member of IAENG.
6. Life Member of International Society for research and development (ISRDR)

#### **ADDITIONAL INFORMATION**

1. Member of Editorial Board in the International Journal of Web applications.
2. Internal Audit member for accreditation process at Sri Ramakrishna Engineering College, Coimbatore and Pavaai Engineering College, Namkkal.
3. Programme Committee Member of the International Conference on Information & Communication Systems (ICICS – 09) held at Amman Jordan during 20<sup>th</sup> to 22<sup>nd</sup> December, 2009.

4. Organizing Committee Member - The International Conference on Computing, Communications and Information Technology Applications (CCITA-2010), 21st to 23rd January 2010 Organized by V.L.B.Janakiammal College of Engineering and Technology, Coimbatore, Tamilnadu, India.
5. Member of the Technical Program Committee of the “First World Innovation and Computing Congress” (WICC-2018), held at Sri Ramakrishna Institute of Technology, Coimbatore, 23 – 25 March, 2018.
6. Expert Member in the recruitment committee at Sri Ramakrishna Engineering College, Easa engineering college and Sri Krishna polytechnic college.

**AREA OF INTEREST:**

Wireless Sensor Networks, Mobile Computing, Image Processing, Compiler Design