

Dr.C.Arun
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Objective

Zeal to attain a distinct position in the field of Engineering and Technology, through dedication and devotion, capable of achieving the goals of an esteemed organization.

Academics

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.E.	ECE	2002	Shanmuga College of Engineering, Thanjavur	Bharathidasan University, Trichy	72.45%	I-Class
PG	M.E.	Applied Electronics	2004	P.S.N.A College of Engineering and Technology, Dindigul	Anna University, Chennai	77%	I-Class
Ph.D.	Doctorate	VLSI design	2009	Anna University, Chennai	Anna University, Chennai	NA	NA

Professional Experience

Name of the College / Industrial	Designation	Date of Joining	Date of Relieving	Experience		
				Years	Months	Days
RMK College of Engineering and Technology	Professor	1.8.2012	Till Date (31.8.2015)	4	1	
RMK College of Engineering and Technology	Associate. Professor	2-5-2011	31.7.2012	1	2	30

Rajalakshmi Engineering College, Thandalam	Associate. Professor	23.10.2009	30.04.2011	1	4	08
Sri Venkateswara College of Engineering, Sriperumbudur	Sr.Lecturer	18.06.2007	22.12.2009	2	6	05
PSNA College of Engineering and Technology, Dindigul	Lecturer	01.11.2004	16.06.2007	2	7	16
Kongu Engineering College, Perundurai, Erode.	Lecturer	17.06.2004	31.10.2004	-	4	15
PSNA College of Engineering and Technology, Dindigul	Lecturer	29.05.2002	31.05.2004	2	-	03
Total Experience				15	02	17

Title of Ph.D. Thesis *

:FPGA Implementation of an Efficient Novel Viterbi Decoder Architecture For Wireless Applications

Grant Received

S.No	Title of the Project/Program	Funding Agency	Duration	Amount
1	National Level Seminar on MIMO Wireless Communication and Future Networks, (R.M.K College of Engineering and Technology, Puduvoyal, Chennai.)	AICTE (All India Council for Technical Education)	2.12.2013 & 3.12.2013	1,40,000/-
2	Agricultural Management using wireless Sensor Network- A Survey 2 nd International Conference on Environment Science and Biotechnology – ICESB-2012, Concorde Inn, Kuala Lumpur, Malaysia	CSIR (Council Of Scientific and Industrial Research)	22.12.2012 & 23.12.2012	30,000/-
3	Agricultural Management using wireless Sensor Network- A Survey 2 nd International Conference on Environment Science and Biotechnology – ICESB-2012, Concorde Inn, Kuala Lumpur, Malaysia	CICS (Center For International Cooperation In Science)	22.12.2012 & 23.12.2012	10,000/-
4	One Day National Conference NCRASPC-2014	IET (UK)	10.3.14	25,000/-
5	Design And Implementation of	ISRO	2.5-years	12,98,000/-

	Dual Blind Detection Robust Watermarking for Multimedia Security in FPGA	(Indian Space Research Organization)	From 2014	
6	International Conference On Recent Trends in Electrical, Electronics, Computer and Communication	IET (UK)	15.12.2014 & 16.12.2014	10,000/-
7	National Level Workshop on How to Implement Solar Energy	IET (UK)	03.01.2015	10,000/-
8	National Level Workshop On Xplore Robotics,-	IET (UK)	09.03.15	10,000/-
9	IET Sponsored National Level Workshop on IOT	IET (UK)	7.3.2016	20,000/-
10	IET Sponsored National level Workshop on IOT- Security & Challenges in Sensor Networks	IET (UK)	22.7.2017	15,000/-
Total Amount				15,48,000

Awards and merits received

1. Received **“Best Project Award”** from Dr.Kalam Educational Trust, Chennai-54 on **15th March 2017** at Knowledge Institute of Technology, Salem.
2. Received **Best Paper Award** for **“Implementation of Singular value Decomposition Using High level Synthesis on FPGA”** on **12 March 2017** at International Conference on Research Methods in Engineering and Technology- ICRMET-2017, held at Hotel Chennai Gateway, Chennai.
3. Received **Young Faculty Award** from Venus International Foundation on VIFFA 2015 on **5th July 2015** at Hotel Vijay Park, Chennai.
4. Received **Best Paper Award** for **“A Novel Semi Blind Watermark Extraction Algorithm”** on **24th May 2015** at International Conference on current Innovatrons in Engineering and Technology held at Hotel Mangala International, Chennai.
5. Received **Er.A.Rajan Ambition achievement award 2013** from IET (The Institute of Engineering and Technology-UK) on **31st August 2013**.
6. Received **Young Teacher Award** from IET (The Institute of Engineering and Technology-UK) on **25th September 2011**.
7. Received certificate of merit for producing **100% results** in the subject of Low Power VLSI Design in the examination conducted by Anna University in **April 2006**.
8. Received certificate of merit for securing **3rd rank in the Anna University** during the academic year **2002-2004**.

Recognized Supervisor for PhD Guidance

1. Anna University, Chennai
2. Anna University of Technology, Chennai
3. Sathyabama University, Chennai
4. St.Peters University, Chennai
5. Saveetha University, Chennai

No. of. Technical Projects Guided

Year	UG[B.E]	Status	PG[M.E]	Status	PhD	Ongoing	Completed
Till date	18	Completed	8	Completed	21	13	08

Research Guidance (Doctoral degree)

Sl. No.	Student Name	Thesis Topic	University	Degree awarded
1.	R. Sivarama Krishnan	Novel Chromosomal Image Processing Techniques For Performance Enhancement Of Automatic Karyotyping	Anna University	May 2015
2.	C.Arunachalaperumal	Reliability Enhancement of Interactive Mobile Satellite Services Using MIMO Schemes	Anna University	Feb 2016
3.	Mr.K.Sampath Kumar	An Investigation on Various Standard Strategies for Fluorescence Image Denoising of Cardio Fibroblast Cells	St.Peter's University	August 2016
4.	B.Sridhar	Novel Video Watermarking Techniques for Copyright Protection Using Wavelet Transform	Anna University	December 2017
5.	MS.Priya Stalin	Design and Implementation of Area and Power Efficient Architecture for Signed Multipliers	St.Peter's University	March 2017
6.	M. Shyamala Devi	Secured Fuzzy Searching Techniques and its Analysis for Effective Data Utilization in Public Cloud	Anna University	April 2017
7.	C.Saravanakumar	Distributed Program Slicing for Object Oriented Java Program with Finite State Machine Model	Sathyabama University	June 2017
8.	M.Narayanan	Cloud computing	Sathyabama University	July 2017
9.	Vijayakumar.K	Distributed Computing	Sathyabama	Submitted thesis

			University	
10	R.Premkumar	Analysis of breathing sounds of patients with sleep apnea during awake condition	Anna University	Synopsis submission
11	A.Asha	A Novel Optimized Energy Management Algorithm For Wireless Sensor Network	Anna University	Synopsis submission
12	I.Poonguzhali	Enhanced Turbo Decoding Algorithm Development For Wireless Communication Using VLSI Design	Anna University	Confirmation completed
13	Mr. Muthumanickam S	Performance analysis of MIMO MBWA model with various detectors	Anna University	Confirmation completed
14	Ms.Kondaka Lakshmi Sudha	Multi-scale Communication using Cross-Layer Wireless Sensor Network Architecture for Power Optimization	Sathyabama University	Confirmation completed
15	Sathies Kumar T	Video watermarking	Anna University	Doing course work
16	Mr.Gopalakrishnan.N	Cloud computing	Sathyabama University	Doing course work
17	Ramachandran R	Cognitive Radio	Anna University	Doing course work
18	Nimitha N	Chromosomal Image Processing	Anna University	Doing course work
19	Dhivya K	Device to device Communication	Anna University	Doing course work
20	Jai Ganesh S	Security algorithms	Anna University	Doing course work
21	Govindaraj V	Big data analytics	Anna University	Doing course work

List of Publications (up to 9.2.16)

International journal	National Journal	International Conference	National conference	Total
71	04	36	19	130

International journal

2007

1. **C Arun** and V Rajamani, "Minimized Memory Architecture for Low Latency Viterbi Decoder Using Zig-Zag Algorithm", International Journal on Wireless and Optical Communications, Vol. 4, No. 3 **2007** pp.313–323. (ISSN:0219-7995)

2009

2. **C Arun** and V Rajamani, "A Low power and High Speed Viterbi Decoder based on Deep Pipelined, Clock Blocking and Hazards Filtering", International Journal of Communications, Network and System Sciences, Vol.6, September **2009**, PP.575-582. (ISSN: **1913-3715**) **Impact Factor: 0.73**
 3. P.Ezhumalai S. Manoj Kumar **C.Arun** D.Sridaharan "Tree Based Aggregation Algorithm Design Issues in Wireless Sensor Networks", International Journal of Wireless Sensor Network (WSN), Vol .2 No.4 ,November **2009**. PP.306-315. **ISSN Print: 1945-3078**
 4. P.Ezhumalai P.Sakthivel D.Sridharan **C.Arun** S.Manoj Kumar, "Efficient FPGA implementation of a programmable high throughput Secure **Hash Algorithm using** Rescheduling and Reutilization", Journal of Advanced Research in Computer Engineering Vol. No. 3 No. 2 December **2009**, PP.233-239. **ISSN:0974-4320**
 5. M.Anandaraj, S. Manoj Kumar,**C.Arun**,P.Ezhumalai,"An Efficient Framework for QoS Based Multicasting in Multimedia Networks" " International Journal of Computer Engineering", Vol.1, No.2, July to December **2009**, pp.63-68. **ISSN : 0975-6116**
 6. Manoj Kumar, P.Ezhumalai and **C.Arun**, "An Efficient Call Routing Framework Based On User Usability Pattern", International Journal of Knowledge Management & E-learning, **Volume 1, Number 1, January-June 2009** pp 1-6. **ISSN : 0975-718**
- 2010**
7. P.Ezhumalai D.Sridharan P.Sakthivel **C.Arun** S.Manoj Kumar, "High performance Architectural Design and Analysis of Network on Chip Systems" Intentional journal of Communications, Network and System Sciences(IJCNS), January **2010**, 3, PP.48-53 **ISSN Print: 1913-3715**
 8. Ezhumalai.P D.Sridharan P.Sakthive **C.Arun** S.Manojkumar "High Performance Hybrid Two Layer Router Architecture for FPGAs Using Network-On- Chip" International Journal of Computer Science and Information Security,(IJCSIS January) issue (Vol. 7 No. 1), **2010**, pp.266-272 (**ISSN 1947 -5500**)
 9. **C.Arun** Rajesh Selvaraj K.Roopa "Design and simulation of Network on Chip with unequal delay of switch and Buffers", International Journal of Neural Networks and Applications, 3(1), Jan-June **2010**, pp.25-32. **ISSN : 0974-6048**
 10. **C.Arun** , Manoj Kumar ,P.Ezhumalai , " Design and simulation of Network on Chip with equal delay of switch and Buffers", International Journal of Electronic & Communication Engineering (IJECE).Vol.3, **2010**, pp305-316. **ISSN 0974-2166**
 11. P.Ezhumali, **C.Arun**, "Low Power and Area Consumption Custom Networks-On-Chip Architectures Using RST Algorithms", International Journal of Computer Science and Information Security, Vol. 8, No. 6, September **2010** pp. 107-115. **ISSN1947-5500**

2011

12. Sivaramakrishnan R , Ramanathan P.K , Vidhya S , **Arun C** “Performance Evaluation Of EEG And MEG Based Sleep Onset Detection Using Mean Comparison Test” International Journal on Applied Bioengineering, Vol. 5, No.1, January **2011** PP1-8.
13. S.Manoj Kumar, **C.Arun**, P.Ezhumalai, “Environment Based Capability Specification of Web Services For Automated Service Discovery”, International Journal of Advances in Software Engineering Volume 1, Number 1, January-June **2011**, pp. 15-25 ISSN : 0975-6116.
14. P. Ezhumalai, A. Chilambuchelvan, **C. Arun** “Novel NoC Topology Construction for High-Performance Communications” Journal of Computer Networks and Communications Volume **2011**, March 2011 Article ID 405697, 6 pages.pp1-6. **(Annexure-I)**
15. C.Saravanakumar, **C.Arun**, "Distributed Program Slicing for Object Oriented Java Program with Finite State Machine Model ".*International Journal of Electronics Communication and Computer Engineering (IJECCCE)* April **2011**, Volume 1 issue 2. page 30-34 ISSN (Print): **2278–4209**
16. Aso.M.Raymond, **C.Arun**, “Design and VLSI Implementation of a High Throughput Turbo Decoder”International Journal of Computer Applications Volume 22– No.3, May **2011**, pp-32-37. ISSN 0975-8887
17. C. Saravanakumar, **C. Arun** ,“ Interaction among cloud services on common software application with service level agreement”, International Journal Electronics ,Communication and Computer Engineering ,Volume 2– No.2, November **2011**, pp.1-4. ISSN (Print): 2278–4209
18. K. Sampathkumar and **C. Arun**, Poisson Noise Removal from Fluorescence Images Using Optimized Variance-Stabilizing Transformations and Standard Gaussian Denoising Strategies., Indian Journal of Applied research ISSN 2249-555X, Vol.1 No.3 pp.79-82, December **2011**.

2012

19. C. Saravanakumar, **C. Arun**,” Secure Framework for Publishing and Accessing the CloudServices with Common Deployment”, European Journal of Scientific Research, ISSN 1450-216X Vol.73 No.4 (**2012**), pp. 461-468 [**impact factor=0.04**] (**Thomson Reuter's Journal Citation**).
20. C. Saravanakumar, **C. Arun** ,“Traffic Analysis and Shaping of the Cloud Services over Common Deployment Model using Cloud Analyst”, International Journal of Computer Applications (ISSN 0975 – 8887),Volume 43– No.4, April **2012**, pp.33-37 [**impact factor=0.835**]
21. S.Nafees Ahmed, B.Sridhar, **C.Arun** “Robust Video Watermarking based on Discrete Wavelet Transform” International Journal of Computer Network and Security (IJCNS) Vol 4. No 1. Jan-Mar **2012** ISSN: **0975-8283**.

22. Priyastalin, **C.Arun**, 'An efficient signed multiplier with pipelining', 'International journal of communication engineering applications'(IJCEA) ,Vol 3,issue 12, PP. 429-432,February **2012**. . ISSN:**2230-8520**.
23. Zarina yasmin J, C.Arunachalaperumal **C.Arun**, “Study on 3D Spatial Wireless Channel Improvement of MIMO Based Satellite System”, International Journal of Emerging Technology and Advanced Engineering, Vol.no.2 Issue.10, ISSN 2250-2459, October **2012**, PP.29-34.
24. M.Narayanan, **C.Arun**” An Efficient Method for Handling Data Segment with Multi-Level Caching over Video-on-Demand using P2P Computing”, European Journal of Scientific Research. ISSN 1450-216X Vol. 93 No 2 December, 2012, pp.206-213, **[impact factor=0.04]**
25. M.Narayanan, **C.Arun**” P2P: Bandwidth Based Cluster, Multilevel Cache Networks to Increase the Scalability of Video on Demand Service”, ABI International Journal of Modern Science and Engineering’, Division : Computer Science and Engineering Vol.1, No.2, pp 1-8. December (**2012**)

2013

26. S. Dhilipkumar, **Dr.C.Arun**, C.Arunachalaperumal “A Comparative Study of the Performance of Precoded MIMO Using Trellis And STBC”, International Journal of Emerging Technology and Advanced Engineering, Vol.3, Special Issue 1, January **2013**. ISSN**2250-2459**
27. Sivaramakrishnan, Rajaraman, **C.Arun**, “Connected Components Labeling and Extraction Based Interphase Removal from Chromosome Images,” International Journal of Bio-Science and Bio-Technology, ISSN: 2233-7849 Vol. 5 No. 1 February (**2013**), pp. 81-90. (**Thomson Reuter's Journal Citation**) (SNIP: 0.615) (**Annexure 2**)
28. Sivaramakrishnan, Rajaraman, Ganesh, **C.Arun**, “Segmentation and Removal of Interphase Cells from Chromosome Images using Multidirectional Block Ranking,” International Journal of Bio-Science and Bio-Technology, ISSN: 2233-7849 Vol. 5 No. 3 June (**2013**), pp. 79-92. (**Thomson Reuter's Journal Citation**) SNIP: 0.615) (**Annexure 2**)
29. K. Sampathkumar , **C. Arun**, An Improved Image Denoising approach using Optimized Variance-Stabilizing Transformations. International Review on Computers & Software., Vol. 8 Issue 8, p1991-1996. Aug **2013**. ISSN **1828-6003**
30. Priyastalin, **C.Arun**, ' “A Study On Low Power Reconfigurable Fir Filters With Dynamic Change In Filter Order” Journal of Theoretical and Applied Information Technology ,August **2013**. Vol. 54 No.2 ISSN: **1992-8645**, E-ISSN: 1817-3195. (**Thomson Reuter's Journal Citation**) (**Annexure-II**)
31. PriyaStalin and **C.Arun**, Comparison of a Multiplier With Bypassing Techniques and Pipelining in Spartan 3e,Virtex 4 & Virtex 5 ',International Journal of Technology and Engineering Science(IJTES)'vol1(7),pp **1123-1127** .October **2013**. ISSN: **2320-8007**

32. Muthumanickam.S, T.V.Padmavathy, Jayavasanthakumaran.S, **C.Arun** “**Performance analysis of MIMO MBWA model with various detectors**” in **International Journal Of Computer Networking, Wireless and Mobile Communications (IJCNWMC)** Vol. 25, PP. 73-77, April 2013. ISSN 2230-7818

2014

33. Sivaramakrishnan Rajaraman and **Arun Chokkalingam**. "Classification of Denver System of Chromosomes using Similarity Classifier guided by OWA Operators", Current Bioinformatics, Vol.9, **2014** IF (**Thompson Reuters ISI**): **2.017** (ISSN: 1574-8936) IF (Thompson Reuters ISI): 2.017. (**Annexure 1**)
34. Sivaramakrishnan Rajaraman and **Arun Chokkalingam**. “Chromosomal Edge Detection using Modified Bacterial Foraging Algorithm”, International Journal of Bioscience and Biotechnology, 2014 Vol.6, No.1 (**2014**), pp.111-122 (ISSN: 2233-7849) (**Thomson Reuter's Journal Citation**) SNIP: 0.615) (**Annexure 2**)
35. Sivaramakrishnan, Rajaraman, **C.Arun**, ”Lukasiewicz Logic based Fuzzy Similarity Classifier for Denver Group Chromosomal Classification,” Bioscience Journal, ISSN: 1516-3725 v. 30, n. 3, p. 843-852, May/June, 2014 (Impact Factor: 0.2), (**Thomson Reuter's Journal Citation**) (**Annexure 1**)
36. Sivaramakrishnan Rajaraman, Ganesh Vaidyanathan, **Arun Chokkalingam**. Performance Evaluation of Nature Inspired Optimization Techniques in Disentangling Text Pattern Overlaps. Journal of Multiple valued Logic and Soft Computing vol 23 (Issue 5-6), PP503-527 **2014**(IF (Thompson Reuters ISI): 1.05. (**Annexure 1**)
37. K.Lakshmisudha, **C.Arun**, “Cross Layer Designs to Optimize the Power Consumption in Wireless Sensor Networks” Journal of Theoretical and Applied Information Technology Vol. 62 No.2 ,PP.380-386, 20th April **2014**. (**Thomson Reuter's Journal Citation**). ISSN: **1992-8645** (**Annexure-II**)
38. Priya Stalin, **C.Arun**’ Design Of Twin Precision Multiplier With Low Power And Area Using Clock Pipelining’, World Applied Sciences Journal 32 (11): 2303-2308, **2014** ISSN **1818-4952** pp.**2303-2308**
39. M.Shyamala Devi, **C.Arun**, "A Survey On Secured Searching Techniques For Effective Data Utilization In Public Cloud", Journal of Theoretical and Applied Information Technology, ISSN: **1992-8645**, E-ISSN: 1817-319, Vol. 66. No. 1, 10 August **2014**, Pp.58-68, Impact Factor: 0.60: **Scopus Indexed**. (**Annexure-II**)
40. K. Sampath Kumar and **C. Arun**, “Validation of Various Standard Strategies for Fluorescence Image Denoising of Cardiac Fibroblast Cells”, Research Journal of Information Technology, 6: 110-123, **2014**. ISSN 1815-7432. (**Thomson Reuter's Journal Citation**). (**Annexure-II**)
41. C.Saravanakumar, **C.Arun** ,” An efficient ASCII-BCD based steganography for cloud security using common deployment model”, Journal of Theoretical and Applied

Information Technology [impact factor=0.60], JULY 2014, Volume 65 issue 3. .
(Thomson Reuter's Journal Citation). ISSN: 1992-8645 (Annexure-II)

42. M.Narayanan, C.Arun “Outliers based caching of data segment with synchronization over Video-on Demand using P2P Computing”, Research Journal of Applied Sciences, Engineering and Technology. Print ISSN: 2040-7459. Online ISSN: 2040-7467, 7(21) June 2014, pp. 4559-4564 : **Impact Factor: 0.490: Scopus Indexed**
43. M.Narayanan, C.Arun, “An Efficient Super Peer Selection Algorithm for Peer-to-Peer (P2P) Live Streaming Network” Journal of Theoretical and Applied Information Technology, 10th December 2014. Vol.70 No.1 PP. 1-8. (Thomson Reuter's Journal Citation). ISSN: 1992-8645 (Annexure-II)
44. B. Sridhar, C.Arun, “Security Enhancement in Video Watermarking using Wavelet Transform”, Journal of Theoretical and Applied Information Technology (JATIT), Vol.62, No.3, pp 733-739, April 2014. ISSN: 1992-8645. (Thomson Reuter's Journal Citation). ISSN: 1992-8645 (Annexure-II)
45. C. Arunachalaperumal, C. Arun, S. Dhilipkumar & G.Abija 2014, ‘Performance Evolution of Trellis Coding in Multiple Input Multiple Output Communication Systems—A Review’, Journal of Communications Technology and Electronics, Vol. 59, No. 11, pp. 1247–1252. ISSN 1064-2269. (Annexure-I, Sl. No. 4499)
46. K. Sampath Kumar and C. Arun, “Fluorescence Image Denoising Using Diverse Strategies And Their Performance Evaluation”, Research Journal of Applied Science Engineering and Technology 7(23): PP.5072-5081, ISSN: 2040-7459; e-ISSN: 2040-7467 June , 2014 (Thomson Reuter's Journal Citation). (Annexure-II)

2015

47. C.Saravanakumar, C.Arun ,” Framework for Multilevel Privacy and Backup of Cloud Storage with CDMBackupSim ”, Research Journal of Applied Sciences, Engineering and Technology 9(8): PP.572-582, March, 2015 ISSN: 2040-7459; e-ISSN: 2040-7467 [impact factor=0.454 (Annexure-II)
48. Manoj Kumar.V.R., C.Arun, S.Muthumanickam “Non-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks” International Journal of Advanced Information Science and Technology (IJAIST) ISSN: 2319:2682, Vol.35, No.35, March 2015. Pp.81-87 (Thomson Reuter's Journal Citation). (Annexure-II)
49. K. Sampath Kumar and C. Arun “A Novel wavelet based fuzzy based Fluorescence Image De-noising approach with Optimized Variance Stabilizing Transformations “, International Journal of Applied Engineering Research (IJAER), 2015. (Thomson Reuter's Journal Citation). (Annexure-II)

50. Priya Stalin, **C.Arun** “BANG OF LER and RDF in CMOS Devices ”, ARPN Journal of Engineering and Applied Sciences, Vol. 10, No. 4, **March 2015, PP- 1677-1684, ISSN 1819-6608**
51. B. Sridhar, **C. Arun** “An Interlacing Technique-Based Blind Video Watermarking Using Wavelet” World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:6, **2015 PP.1303-1306. ISSN (Annexure II)**
52. Shyamala Devi Munisamy and C. Arun “Universal Keyword Classifier on Public Key Based Encrypted Multikeyword Fuzzy Search in Public Cloud” Hindawi Publishing Corporation, Scientific World Journal, Volume **2015**, Article ID 706102, PP.1-17 (**Annexure I**)
53. S.Baskar, **C.Arun**, R.Vaishnav “ A study of Tuberculosis, Computed Tomography Imaging Segmentation and Automatic Screening of Tuberculosis”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 9 (**2015**) pp. 8525- 8534. (**Annexure II**)
54. Shyamala Devi and **C. Arun**, “Asymmetric Dual Keyword Encrypted Fuzzy Search for Effective Data Utilization in Public Cloud”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 22 (**2015**) pp 43108-43119. (**Thomson Reuter's Journal Citation**)
55. M.Shyamala Devi, **C. Arun**, V.Vimal Khanna, “Scrupulous Variable Chunking (SVC) De-Duplication for Space Optimization in Private Cloud Storage Backup”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 9 (2015) pp. 8145-8150(**Thomson Reuter's Journal Citation**)
56. **C.Arunachalaperumal**, C.Arun, S.Dhilipkumar, G.Abija 2015, ‘Comparison of Beam forming Techniques for MIMO Wireless Networks’, International Journal of Applied Engineering Research, Vol. 10 No.20 (2015) pp. 2077-2081. (**Annexure-II, Sl. No. 8565**).
57. **C.Arunachalaperumal**, C.Arun, S.Dhilipkumar, G.Abija 2015, ‘Trellis Coded Spatial Modulation for Green Communication’, International Journal of Applied Engineering Research, Vol. 10 No.20 (2015) pp. 2082-2085. (**Annexure-II, Sl. No. 8565**).
58. Manoj Kumar. V. R., C. Arun, S.Muthumanickam, **A Novel Semi-Blind Watermark Extraction Algorithm**, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 3 Issue VI, June 2015, ISSN: 2321-9653, pp. 828 (**Annexure-II**)
59. B. Sridhar, **C. Arun**, “Secure Video Watermarking Algorithm based on Wavelet with Multiple Watermarks” Latin American Applied Research, Vol. 45, No.3, July 2015 ISSN 0327-0793 (**Annexure-I**).

60. B. Sridhar, **C. Arun**, “An Enhanced Approach in Video Watermarking with Multiple Watermarks Using Wavelet” Journal of Communications Technology and Electronics, 2016, Vol. 61, No. 2, Pleiades Publishing, Inc., 2016. ISSN 1064_2269 pp. 165–175, **(Annexure-I)**.
61. M.Narayanan, **C.Arun**, “An Efficient Super-Peer Selection for Peer-to-Peer Live Streaming Networks Over Video-On Demand Service” Journal of Computational and Theoretical Nanoscience Vol. 13, 4606–4613, 2016 (**Thomson Reuter's Journal Citation**) ISSN:1546-1955 (**Annexure I**)
62. B. Sridhar, **C. Arun**, “An Enhanced Approach in Video Watermarking with Multiple Watermarks Using Wavelet”, Journal of Communications Technology and Electronics, 2016, Vol. 61, No. 2, pp. 165–175. , ISSN 1064_2269,Pleiades Publishing, (**Annexure I**)
63. C.Saravanakumar, **C.Arun**, “Efficient Idle Virtual Machine Management for Heterogeneous Cloud using Common Deployment Model”, KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS VOL. 10, NO. 4, Apr. 2016, ISSN : 1976-7277PP.1501-1518. (**Annexure I**)
64. C. Saravanakumar, **C.Arun** and S. P. Sivasrinivasan, “Novel Technique to Control the Metering for Cloud Service using Common Deployment Model” Indian Journal of Science and Technology, Vol 9(21) , DOI: 10.17485/ijst/2016/v9i21/95294, June 2016, ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645 PP1-6.
65. R. Premkumar, **C. Arun**, R. Sai Divya, “Survey on Obstructive Sleep Apnoea Monitoring Systems”, International Journal of Advanced Engineering Technology , Vol. VII/Issue I/Jan.-March.,2016,PP.418-422,E-ISSN 0976-3945. (**Annexure I**)
66. I. Poonguzhali and **C. Arun**,” Effect of Interleaver Algorithm on the Performance of Modified Turbo Codes”, Middle-East Journal of Scientific Research 24 (S1): 278-285, 2016, ISSN 1990-9233, © IDOSI Publications, 2016, DOI: 10.5829/idosi.mejsr.2016.24.S1.58 (**Annexure II**)
67. K. Vijayakumar and C. Arun, “Analysis and selection of risk assessment frameworks for cloud based enterprise applications”, Biomedical Research, ISSN:0970-938X(Print), 0976-1683 (Electronic), January 2016 (**Sci indexed**)

2017

68. K. Vijayakumar and C. Arun, “Automated risk identification using NLP in cloud based development environments” , Journal Ambient Intelligence and Humanized Computing ” ISSN:1865- 5137(Print), 1868-5145 (Electronic), (**SPRINGER - Sci indexed**) (Under Revision)
69. K. Vijayakumar and C. Arun, “A Survey on Assessment of Risks in Cloud Migration”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.66 (2015) (**Scopus indexed**)

70. K. Vijayakumar and C. Arun, "Security and vulnerability assessment of static code in Cloud Environment", International Journal of Control Theory and Applications, ISSN: 0974-5645 volume No. 9(36), 2016, Page No. 533-541. (**Scopus Indexed**)
71. K. Vijayakumar and C. Arun "Continuous Security Assessment of Cloud based Applications using distributed hashing algorithm in SDLC", The International Journal of Intelligent Engineering and Systems, ISSN: 2185-3118, (**Scopus Indexed**) (under Review),

National journal

1. **C Arun** and V Rajamani, "Design and VLSI architecture of non-polynomial based low probability of error (Pb) Viterbi decoder", Journal of Scientific & Industrial Research Vol. 68, February **2009**, pp.97-106. (**Impact factor -0.095**) (**Thomson Reuter's Journal Citation**) ISSN:0022-4456 (**Annexure I**)
2. C. Saravanakumar and **C. Arun** , Interoperable Features Classification Technique for Cloud based Application using Fuzzy Systems, Indian Journal Science Research and Technology. October **2013** 1(2):page 84-88,ISSN:-2321-9262.
3. C. Saravanakumar and **C. Arun** , Efficient Features Extraction Technique for Cloud Based Application with Interoperability Using Evolutionary Computing, Indian Journal Science Research and Technology. December **2013** 1(3) pp 74-80 ISSN:-2321-9262.
4. C. Saravanakumar, **C.Arun** and S. P. Sivasrinivasan, "Novel Technique to Control the Metering for Cloud Service using Common Deployment Model" Indian Journal of Science and Technology, Vol 9(21) , DOI: 10.17485/ijst/2016/v9i21/95294, June 2016, ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645 PP1-6.

International Conference

2006

1. **C Arun**, V.Rajamani "Earthquake alert through GSM Network" ISCO- 2006 (Intelligent Systems and Controls) presented on 9th – 11th August **2006** at Karpagam College of Engineering, coimbatore.

2008

2. **C Arun**, V Rajamani, "Design and Implementation of High Speed and Low Power VLSI Architecture for Viterbi Decoder", International Conference on Recent Trends in Computational Science 2008 (ICRTCS 08) on 11th to 13th June **2008**, Toc H Institution of Science and Technology, Cochin.
3. **C Arun**, V Rajamani, "Design and VLSI Implementation of a Low Probability of Error Viterbi Decoder", IEEE international conference on Emerging trends in Engineering and technology (ICETET-08) on 16-18th july **2008**, G.H. Rasoni College of Engineering, Nagpur.

2010

4. P.K.Ramanathan, S.Vidhya, R.Sivaramakrishnan and **C Arun** “ANN Based Sleep Onset Detection Using EEG and MEG Sleep Parameters” IEEE International conference on “**Trendz in Information Sciences & Computing**” (TISC - 2010) Sathyabama University association with Cognizant Technology Solutions and IEEE from 17th to 19th of December, **2010**.

2012

5. M.Narayanan, **C Arun**” Growth of Peer-to- Peer Networks scalability Based Video On Demand Service”, Third International Conference on Multimedia and Content Based Image Retrieval (ICMCBIR2012) – 2012 on 25th to 27th July **2012**, PES Institute of Technology, BSK III Stage, Bangalore PP.141-146.
6. Ancy Marzla, C.Arunachalaperumal, **C Arun** and Suresh Chenna Thambi A Comparative Study on the Performance of Delay Tolerant Space Time Codes using Threaded Algebra and Cyclic Division Algebra for Cooperative Networks, International Conference on Advances in Electrical & Electronics, Information, Communication & Bio-Informatics AEEICB-12 conducted by PITAM, , **2012**.
7. C.Arunachalaperumal, S.Dhilip Kumar, **C Arun**, “A Comparative Study of the Performance of Pre-coded MIMO Using Trellis And STBC”, IEEE- 4th International Conference on Advanced Computing (ICOAC-2012), MIT, Anna University, Chennai, December 13-15, **2012**.
8. **C.Arun** and lakshmi Sudha “Agricultural Management using wireless Sensor Network- A Survey”, 2nd International Conference on Environment Science and Biotechnology – ICESB-2012, Concorde Inn, Kuala Lumpur, Malaysia, 22-23 December, **2012** pp.76-80.
9. C.Saravanakumar, **C.Arun** ,“Instance Management for Software Application of the Cloud over Common Deployment Model”, IEEE International Conference on Emerging Trends in Science, Engineering and Technology (INCOSSET-2012) , ISBN : 978-1-4673-5144-7/12/\$31.00 © **2012** IEEE .
10. Priyastalin,**C.Arun** 'An Efficient Signed Multiplier With Pipelining' at an International Conference on Information Communication&Embedded Systems,S.A.Engineering College., **2012**
11. M.Narayanan, Dr.C.Arun” P2P: Bandwidth Based Cluster, Multilevel cache Networks to Increase the Scalability of Video on Demand Service”, International Conference on Communication, Computing and Information Technology - ICCCMIT 2012, December 21st-22nd **2012**, M.O.P. Vaishnav College for Women (Autonomous), IV Lane, Nungambakkam High Road Chennai
12. B.Sridhar, Dr.C.Arun, “On Secure Multiple Image Watermarking Techniques using DWT” in IEEE International Conference on Computing, Communication and Network Technologies(ICCNCNT 2012)) on July 26 – 28, **2012** at SNS College of Engineering Coimbatore, of **July2012**, PP.1–4. doi: 10.1109/ICCNCNT.2012.6395871

2013

13. C.Saravanakumar, **C.Arun**, “Location Awareness of the Cloud Storage with Trust Management using Common Deployment Model”, IEEE International Conference on computing ,communication and Networking technologies (ICCCNT-2013) , **2013** IEEE
14. S.Baskar, **C.Arun**, "Methods of Lung Segmentation and Machine Vision on Lung diseases:A Review "IEEE Internaional Conference on Human Computer Interactions(ICHCI-13) at Saveetha university, on 23-24 August **2013**, Chennai.
15. Priyastalin,**C.Arun** 'Comparison of a multiplier with bypassing techniques and pipeling in spartan 3E,Virtex 4 and Virtex 5' , National Research Scholar Seminar, St.Peter's University, Chennai Publied in: IJTES Vol 17, pp:1085-1091, 3rd and 4th October **2013**
16. K.Lakshmisudha , **C.Arun** “ Research on power optimization in physical and MAC Layer of Wireless Sensor Networks-A Survey” in IEEE International Conference on Intelligent systems and signal Processing(ISSP2013) organized by G H Patel College of Engineering & Technology, Gujarat, India during 1-2 March, **2013**.
17. K.Lakshmisudha, **C.Arun** “Power optimization in Physical layer of Wireless sensor Networks-A Survey” at the International Conference on Advanced Computer Science and Information Technology(ICACSIT) held at Pune, organized by ITRResearch on 13th Jan, **2013**.
18. M.Narayanan, **C.Arun** “An efficient technique for video content managing in Peer – to-Peer computing using multilevel cache and bandwidth based cluster” International conference on Human Computer Interaction(ICHCI’13) on 23rd & 24th August **2013**, Saveetha University, Saveetha School of Engineering, Thandalam.
19. B.Sridhar, **C.Arun**, “A Wavelet based Image Watermarking Technique using Image Sharing Method” in IEEE International Conference on Information Communication & Embedded Systems (ICICES2013) at SA Engineering College Chennai, on February **2013**. vol., no., pp.629,633, 21-22 Feb.**2013** doi: 10.1109/ICICES.2013.6508179 ISBN 978-1-4673-5786-9.

2014

20. I.Poonguzhali, **C.Arun**, “Development of Two stage Interleaver algorithm for the performance improvement of Modified Turbo Codes”, International Conference on Next Generation Computing & Communication Technologies (ICNGCCT 2014) at Dubai during April 23-24, **2014**, PP. 148-153.
21. .C.Saravanakumar, **C.Arun** , “Survey on Interoperability, Security, Trust, Privacy Standardization of Cloud Computing”, International conference on contemporary computing and informatics (IC3I 2014), CPCI, ISI’s Web of Science, Elsevier's Scopus and **2014** IEEE.

22. Narayanan, M. **CArun**, "An efficient technique for video content managing in Peer - to-Peer computing using multilevel cache and bandwidth based cluster," International Conference on Signal Propagation and Computer Technology (ICSPCT), **2014**,vol.,no.,pp.317,322,12-13 July **2014**, **IEEE Explore**
23. Jayaram. K, **C.Arun**, "MDC FFT/IFFT Processor for OFDM Systems" International Conference on Recent Trends in Electrical, Electronics, Computing and Communication, on 15th &16th December, **2014**, at R.M.K. College of Engineering and Technology, Chennai
24. Priya, D. ; Arunachalaperumal, C. ; **Arun, C.** The comparative study of precoding and prewhitening schemes for MIMO cognitive systems . International Conference on Science Engineering and Management Research (ICSEMR), **2014** DOI:10.1109/ICSEMR.2014.7043624 Publication Year: 2014 , Page(s): 1 – 4.
25. Nithya, A.; Arunachalaperumal, C.; **Arun, C.**, "Intelligent beam forming to improve the spectral efficiency in MIMO system," International Conference on Information Communication and Embedded Systems (ICICES), **2014**, vol., no., pp. 1-4, 27-28, Feb. 2014 doi:10.1109/ICICES.2014.7034002.
26. Revathi, B.; Arunachalaperumal, C.; Poonguzhali, P.; Arun, C., "The performance comparison of different variants of spatial modulation," International Conference on Information Communication and Embedded Systems (ICICES), **2014**, vol., no., pp. 1-5, 27-28, Feb. 2014. DOI:10.1109/ICICES.2014.7033979.
27. G.S GnanaJeni; C.Arunachalaperumal,; Arun, C., "Adaptive spatial modulation using candidate reduction technique," International Conference on Information Communication and Embedded Systems (ICICES), at SA Engineering College, Chennai, India, 2014, vol., no., pp.1,4, 27-28 Feb. 2014, doi:10.1109/ICICES.2014.7034003
28. C. Arunachalaperumal, **C. Arun**, Z. Zarina Yasmin & G. Abija 2014, 'A Study on 2 D and 3D Channel Models for Multiple Input Multiple Output Systems', Future Generation Computer Systems - at SA Engineering College, Chennai, India, 2014, 27-28 Feb. 2014,

2015

29. Narayanan, M. **CArun**, "To Manage Traffic in P2P Live Streaming using Adaptive Routing Scheduling over Video-On Demand Service" International Conference on Electrical, Electronics And Computer Engineering - ICEECE ' 15, on 11th & 12th March **2015**, Vivekanandha College of Engineering for Women, Tiruchengode
30. Narayanan, M. **CArun**, "Super Peer Selection Algorithm for Peer-to-Peer Live Streaming Networks using Gossip Protocol and Firefly Algorithm" International Conference on Science Technology Engineering and Management(ICONSTEM 2015), **March 26&27, 2015** Jeppiaar Engineering College", Chennai.

31. M.Shyamala Devi, **C. Arun**, “Scrupulous Variable Chunking (SVC) De-Duplication for Space Optimization in Private Cloud Storage Backup” International Conference on Engineering Technology and Science (ICETS’15) 5th and 6th March. **2015**, Muthayammal College of Engineering, Rasipuram.
32. S.Baskar, **C.Arun**, “A study of Tuberculosis, Computed Tomography imaging segmentation and automatic screening of Tuberculosis” International Conference on Engineering Technology and Science (ICETS’15) 5th and 6th March. **2015**, Muthayammal College of Engineering, Rasipuram.
33. S.Muthumanickam, **C.Arun**, Manoj Kumar V.R. ,Ritesh Kumar Sharma & Rahul Sharma “Non-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks” 3rd International Conference on “Hi-tech trends in emerging computational technologies” (ICECT 2015) to be held during April 08-09, 2015, Sethu Institute of Technology, Pulloor, Madurai.
34. S.Muthumanickam, **C.Arun**, Manoj Kumar V.R. ,Ritesh Kumar Sharma & Rahul Sharma “Non-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks” 2nd International Conference on Trends in Technology for Convergence - TITCON’15, 10th & 11th April , 2015, **AVS Engineering College, Salem**
35. S.Muthumanickam, **C.Arun**, Manoj Kumar V.R. ,Ritesh Kumar Sharma & Rahul Sharma “Semi-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks” 2nd International conference “VLSI Computation, Networking, Drives and System Design” to be held on 26th March 2015. Sethu Institute of Technology, Pulloor, Madurai.
36. K. Vijayakumar and C. Arun, "Evaluation of Risk Assessment Frameworks on Enterprise Applications", International Conference on Advanced Material Technologies (ICAMT December 2016), Published by **Elsevier materials today Proceedings and will be indexed by SCOPUS and also appear in Science Direct.**

National Conference

1. **C.Arun**, V.Thiyagarajan, S.Sasikumar and M.Madheswaran “Implementation of convolutional encoder and viterbi decoder in FPGA”, VDAT 2004(VLSI design and Test Workshop) presented on 26th – 28th August **2004** at Infosys campus, Mysore.
2. **C.Arun**, V.Thiyagarajan, S.Sasikumar and M.Madheswaran “Elimination of noise in wireless communication using viterbi decoder”, ADELCO 2004(Advances in Electronics Communication) presented on 3rd & 4th June **2004** at National Engineering College, Kovilpatti.

3. **C Arun**, V Rajamani, P.Selvi and S.Muthukumaran Reduced Bit Error Rate (BER) VLSI Architecture for convolutional decoder, National conference on Recent Trends in Computer Applications presented on 3rd May, **2006** at Sri Venkateswara College of Engineering ,Sriperumbudur Chennai.
4. **C Arun**, V Rajamani, K.Revathi and S.Anuradha, Design and Implementation of high rate pipelined architecture of Viterbi decoder, National conference on Recent Trends in Computer Applications presented on 3rd May, **2006** at Sri Venkateswara College of Engineering ,Sriperumbudur Chennai.
5. **C Arun**, S.Karunakaran, S.Muthukumaran, and V Rajamani “Low Power VLSI Architecture for Viterbi Decoder” 2nd National Conference On TICA- 07 Presented on 15th -17th March **2007**, Sathyabama University, Chennai.
6. **C Arun**, S.Poorna and V Rajamani “ Minimized Memory FPGA Implementation of Viterbi Decoder” 1st National Conference On Nano scale Device and Systems (NDS-07), presented on 3rd March **2007**, Muthayammal Engineering College, Rasipuram, Tamilnadu. pp.59-64.
7. **C Arun**, P.Priyadharshini and V Rajamani” VLSI Implementation of High speed Viterbi Decoder Architecture” National Conference On Modeling Analysis and Simulation of Computers and Telecommunication systems (MASCOT- 07) Presented on 1 &2 March **2007**,Government college of Engineering, Salem.
8. **C Arun**, N.Revathi and V Rajamani “VLSI Implementation of Low Probability Error Viterbi Decoder”, National Conference On 'Advanced Techniques In Instrumentation ,Control And Communication Engineering' (ATICCE-07) Presented on 24th January ,**2007**, St.Peter's Engineering College , Chennai.
9. G.Aruna, **C.Arun**, “Implementation of Low Power Log MAP Turbo Decoder” National Conference on Emerging Trends In Micro/Nano Electronic Technology presented on 8th April **2011** at Saveetha University, Chennai.
10. G.Aruna, **C.Arun**, “Design and Implementation of Low Power Turbo Decoder”, PECON 2K11 (7th National Level Conference on Power Electronics and Drives Applications) presented on 24th March **2011** at Government college of Engineering, Tirunelveli.
11. Aso.M.Raymond, **C.Arun**, “High Throughput VLSI Implementation of a Turbo Decoder” NCVLSI -11 (National conference on VLSI and image processing) presented on 17th march 2011 at Velammal Engineering College Chennai, **2011**.
12. M.Narayanan, **C.Arun**, National Conference on Information Processing, Security and Communication 2011 Presented a paper titled “ Scalability of Peer- to – Peer networks based on Video – On demand Services” in St.Peter's University, St.Peter's Institute of Higher Education and Research, Avadi, Chennai – 600 054' conducted by Department of Computer Science and Engineering, held on 4th and 5th, March **2011**.
13. C.Saravanakumar, **C.Arun**, An Efficient Knowledge Extraction Technique on Cloud Based Software Application, NCRTIT, Eswari Engineering College, Chennai, March **2012**, page 143-146.

14. C. Saravanakumar, **C Arun** " A novel approach for knowledge discovery for software application over cloud computing", 2nd National Conference on Computer and Communication Technology (NCCCT-2012) at Easwari Engineering College, Chennai, 14th March **2012**.
15. K.Lakshmisudha, **C.Arun** "Smart home management for physically challenged persons using wireless sensor networks" in National level Conference in LokmanyaTilak College of Engineering, NaviMumbai on 13th October **2012**.
16. K. Vijayakumar, **C. Arun** " An Efficient Multi-Level Authentication Technique For Cloud Based Online Transaction Processing" 2nd National Conference on Advances in Computing and Technology, VIT Chennai Campus. 21st February **2014**
17. C.Saravanakumar, **C.Arun** , "A Framework For Multilevel Privacy of Cloud Services using Finite State Machine Model ", Second National Conference on Advances in Computing and Technology, **2014**(NCCITT-2014), Anna University, Coimbatore.
18. C.Saravanakumar, **C.Arun** , "A Novel Approach for Cloud Based Pricing Model using Common Deployment Model", Second National Conference on Advances in Computing and Technology, **2014**(NCACT-2014), VIT University, Chennai Campus.
19. M.Narayanan, **C.Arun**, "To afford better video on demand Service in P2P computing employing enhanced A star shortest path algorithm", Third National Conference on Innovations in Information and Communication Technologies (NCIICT-2014), Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya – SCSVMV University, Enathur, Kanchipuram 23rd and 24th , January **2014**.

Technical paper reviewer for following conferences & Journal

1. European Conference on Circuit Theory and Design (ECCTD), Istanbul University, Antalya, Turkey.
2. National Conference on Communication and Informatics (NCCI 2009), Sri Venkateswara College of Engineering, Chennai, India.
3. International Conference on Embedded Systems (ICES 2010), Coimbatore Institute Of Technology, (Autonomous Institution) Coimbatore, India.
4. International Journal of Computer Science and Information Security , USA
5. International Journal of Recent Scientific Research, ISSN No: 0976-3031
6. The Journal of Cases on Information Technology (JCIT), ISSN: 1548-7717
7. Australian Journal of Electrical & Electronics Engineering, Institution of Engineers Australia, ISSN No. 1448837X

Guest of Honour

1. Invited as a session judge for "**International Conference on NextGen Electronic Technologies: Silicon to Software (ICNETS²)**" held during 23rd-25th March 2017 at VIT University Chennai.

2. Invited as a session judge for **“IET-Present Around the World (PATW-2017)”** held on 17.3.2017 at RMK College of Engineering and Technology, Chennai.
3. Invited as a session judge for **“National Conference on Computational Intelligence and High Performance Computing”** held on **18 September 2016** at SRM University Kattankulatur, Chennai.
4. Invited as a session judge for **“ IET Present Around The World Competition (PATW 2016)”** held on 16th July 2016 at RMK College of Engineering and Technology, Puduvoyal.
5. Invited as a guest of honour for **2nd Annual Day Celebrations** at Green Valley Public School, Tirupattur, Vellore (Dt), on **23rd April 2016**.
6. Invited as a chief guest and session for International Conference on Engineering Trends 21st Century (ICET2K16) held at Hotel Vijay Park, Chennai on **25th March 2016**.
7. Invited as a judge for Paper presentation in **“International Conference on Recent Trends in Electrical Electronics Computing and Communication ICRTEECC-2014”** 15th and 16th December **2014**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
8. Invited as a session judge and keynote speaker in **“National conference on Computational intelligence and High performance computing”**, SRM University, Chennai on Feb 12-13, 2014.
9. Invited as a judge for Paper presentation in **“National Conference on Communication and Informatics (NCCI 2009)”**, Sri Venkateswara College of Engineering, Chennai, India, 7th October 2010.
10. Invited as a judge for Paper presentation in **“National Conference on Emerging Technologies in Computers”**, Sri Muthu Kumaran Institute of Technology, Chennai, and 12th February 2011.
11. Invited as a judge for Paper presentation in **“My idea Program”** at Rajalakshmi Engineering College, Chennai, 8th March 2011,
12. Invited as a judge for Paper presentation in IET at MGR university , Chennai, 8th March 2011,
13. Invited as a judge for Paper presentation in **“International Conference on Advances in computing (ICACCI-12)”** RMK Engineering College, Chennai on **3rd to 5th August 2012**.
14. Invited as a judge for Paper presentation in **“Second National Conference in Magna on Advanced Computing”** Magna College of Engineering, Chennai. on **25th August 2012**.

15. Invited as a judge for Paper presentation in “**National Conference on Recent Trends in Electronics & Communication Systems 2012 (NCRTCS2K12)**,” Sri Venkateswara College of Engineering Technology (SVCET), Chennai. on 28th September 2012.
16. Invited as a judge for Paper presentation in “**IEEE- International conference on Emerging Trends in VLSI, Embedded system, Nano Electronics and Telecommunication systems (ICEVENT-13)**”, SKP Engineering College, Thiruvannamalai, India, on 7-9 January 2013.
17. Invited as a judge for Paper presentation in “**IEEE- International conference on Emerging Trends in computing , Communication and Nanotechnology (ICECCN 2013)**”, Infant Jesus College of Engineering and Technology, Tuticorin. India, on 25th and 26th March 2013.
18. Invited as a Session Chair for Paper presentation in “**International Conference In Magna on Emerging Engineering Trends (ICMEET2013)**”, Magna College Of Engineering, 10 -12 April 2013.
19. Invited as a Session Chair for Paper presentation in “**2nd International Conference on Engineering and Technology (ICET 2013)**”, Sri Venkateswara College of Engineering Technology (SVCET), Chennai. on 19th April 2013.

Guest Lectures delivered

1. Delivered a technical talk on the topic of “ Different Research areas in Wireless Communication” held on **4th August 2016**, at Sri Venkateshwara College of Engineering and Technology, Sriperumbudur.
2. Delivered a talk on the topic of “ steps in the process of research problem selection formulation and planning” on **11th December 2015** in 18th ISTE TN&P section annual convention for faculty members of Engineering colleges held at KPR Institute of Engineering and Technology during 10-11, December 2015.
3. Delivered a technical talk on the topic of “**Current Mirrors**” on **30th May 2015** in Anna University Approved Seven Days Faculty Development Training Programme On Electronic Circuits-I at R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
4. Delivered a technical talk on the topic of “**Research Proposals**” on **15th and 16 June 2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
5. Delivered a technical talk on the topic of “**for the posterity**” on 11th and 12th December 2014, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
6. Delivered a technical talk on the topic of “**Writing Research Proposals and Good Research Articles**” on 17th and 18th December 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.

7. Delivered a technical talk on the topic of **“Modern Wireless Communication”** 2nd April 2011, Mohamed Sathak A.J. College of Engineering, Chennai.
8. Delivered a technical talk on the topic of **“Introduction to VLSI Design”** 27th August, 2009, PB college of Engineering, Sriperumbudur, Chennai.
9. Delivered a technical talk on the topic of **“Electronic devices and circuits”** 3rd August, 2009, Balaji institute of engineering and technology, Chennai, Tamilnadu .
10. Delivered a technical talk on the topic of **“Principles of Communication”** 18th July 2009, Indra Ganesan College of Engineering, Manikandam, Tiruchirappalli - 620 012, Tamilnadu.
11. Delivered a technical talk on the topic of **“Channel Coder Implementation in FPGA”** 7th July 2008, Sri Venkateswara College of Engineering, Sriperumbudur, Chennai Tamilnadu.
12. Delivered a technical talk on the topic of **“VLSI signal Processing”** 1st September 2006, PSNA College of Engineering and Technology, Dindigul, Tamilnadu.
13. Delivered a technical talk on the topic of **“Low Power VLSI design”** 28th March 2007, KLN Institute of Technology, Madurai, Tamilnadu.
14. Delivered a technical talk on the topic of **“Introduction to VLSI design”** 2nd January 2006, Sahridaya College of Science and Technology, Kodakara, Thrissur, Kerala.

FDP & Workshops Attended

2017

1. Attended **“Anna University Approved Seven Days Faculty Development Training Programme On Transmission Lines and Wave guides”** during 29th May to 04th June 2017 at R.M.K College of Engineering and Technology, Puduvoyal, Chennai.

2016

2. Attended a two days workshop on **“intelligent Robotics”** on 26th & 27th September 2016, at R.M.K College of Engineering and Technology, Puduvoyal, Chennai, Organized by Respro Labs, Chennai.
3. Attended a one day Faculty Development program on **“leading your students to success” on 30th June 2016**, at R.M.K Engineering College, organized by Cognizant.
4. Attended **“Anna University Approved Seven Days Faculty Development Training Programme On Transmission Lines and Wave guides”** during 13th June 2016 to 19th June 2016 at R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
5. Attended **“IET Sponsored Panel Discussion on IOT”** held on 18th April 2016 at IET Chennai Local Network, Hotel Ambica Empire, Chennai

6. Attended **“IET Sponsored one Day National Seminar on Cloud Computing and Security issues”** held on **7th March 2016** at RMK College of Engineering and Technology, Puduvoyal
7. Attended **“IET Sponsored one Day National Workshop on Pioneer to Discover with Internet of Things(P2DIOT)”** held on **7th March 2016** at RMK College of Engineering and Technology, Puduvoyal
8. Attended One Day **“Refresher course on Academic excellence ” 25th January 2016,** R.M.K College of Engineering and Technology, Puduvoyal, Chennai.

2015

9. Attended IET Sponsored National level Workshop on **“Xplore Robotics”** ON **9th March 2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
10. Attended **“AICTE Sponsored Two Week Faculty Development Programme on Opportunities and Challenges in World Class Manufacturing”** organized by department of Mechanical Engineering, during **22nd April to 6th May 2015** at R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
11. Attended **“Anna University Approved Seven Days Faculty Development Training Programme On Electronic Circuits-I”** during **30th May 2015 to 6th June 2015** at R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
12. Attended Two Days **“Refresher course on Academic excellence” 15th &16th June 2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
13. IET Sponsored National level Workshop on **“ Awareness of Tera Hertz Technology ” 19th September 2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
14. IET Sponsored National level Workshop on **“Brain Computer Interface Development and Simulation” 19th September 2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.

2014

15. IET Sponsored one Day Workshop on **“How to Implement Solar Energy” 3rd January 2014**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
16. Attended Two Days Workshop on **“Refresher course on academic excellence ” 11th and 12th December 2014**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
17. DST Sponsored One Day Technology Awareness Workshop On **“Induction Motors Efficiency Monitoring System”** On **28th November, 2014**, At CSIO, Chennai Center, CSIR Madras Complex Chennai - 113.

18. Attended Two Days Workshop on **“Refresher course on academic excellence ”** 16th and 17th June **2014**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
19. Attended four Workshop on **“NBA –New Outcome Based Accreditation”** 3rd feb **2014 and 14th to 16th March, 2014 at** R.M.K Engineering College, Kavaraipettai, Chennai.

2013

20. AICTE Sponsored National Level Seminar on **“Recent Trends in Broadband Wireless Technology”**, 16th and 17th December 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
21. AICTE Sponsored National Level Seminar on **“MIMO Wireless Communication and Future Networks”**, 2nd and 3rd December 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
22. CSIR Sponsored Two days Workshop on **“Research challenges in RF and wireless communication (RFW-2013)”** 21st and 22nd June 2013, Indian Institute Of Information Technology, Design and Manufacturing (IIITD&M), Kancheepuram, Chennai.
23. ISTER-SRM Sponsored one week Faculty development program (FDP) on **“Web Technology”** 3rd to 7th June 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
24. Attended one Day Workshop on **“Research issues in Engineering”** 2nd September **2013**, National Instruments ,Bangalore conducted in hotel Chola, Chennai.

2012

25. Attended one Day Workshop on **“Research Methodologies and Funding Agencies”** 3rd November 2012 , R.M.K College of Engineering and Technology, Puduvoyal, Chennai.

2011

26. AICTE Sponsored Workshop on **“Multiagent Systems for Domains”** 27th May-10th June 2011-RMK engineering College, Chennai.
27. IET Sponsored Workshop on **“life skills development”**, 25th September 2011 at Hotel Benzz Park. Chennai.
28. Seminar on **“Cadence Tools update”** 11st February 2011, at hotel park, Chennai.

2010

29. Workshop on **“Recent advances in wireless Information Networks”** 1st October 2010, SRM University, Kattankulathur, Chennai in Association with Agilent Technologies, Bangalore.

2009

30. Tamil Nadu State Council for Science and Technology sponsored workshop on **“WIRELESS SECURITY”**, 31st July & 1st Aug, 2009, SSN college of Engineering, Kalavakkam, Chennai, 2009.

31. One day workshop on **“Cloud Computing”** 30th June, 2009, organized by Sri Venkateswara College of Engineering, Sriperumbudur in Association with **CTS (Cognizant Technology Solutions)**, Chennai, 2009.
32. One day workshop on **“Server and Storage”**, 05th January 2008, HCL, Ambattur, Chennai, 2008.
33. VSI (VLSI Society of India) Sponsored workshop -**Electronic System Level Design Workshop**- 9th&10th January 2006- Indian Institute of Science (IISc), Bangalore.
34. Workshop on **“Developments in Grid Computing”** - 22nd &23rd July 2005 - PSNA College of Engineering and Technology, Dindigul, 2005.
35. Workshop on **“Advances in real time Embedded systems”** - 18th January 2005 - Reach information and communication Systems, Coimbatore.
36. Faculty Development Programme on **“Achieving Academic (Faculty) Excellency”** - 19th august 2005 - CII (Confederation of Indian Industry), Madurai.
37. ISTE (Indian Society for Technical Education) **Innovations in Engineering Education – Trends and Focus** - 28th & 29th October 2005 - PSNA college of Engineering and Technology, Dindigul.
38. NITTR (National Institute of Technical Teachers Training & Research) **Instructional design Development** - 26-31 December 2004 - Muthayammal Engineering College, Rasipuram.
39. ISTE Sponsored workshop on **“Optoelectronic Integrated circuit photo receiver and systems”** - 24th & 25th January 2003 - PSNA college of Engineering and Technology, Dindigul, 2003.
40. Anna University Sponsored Faculty Development Program on **“Embedded Systems”** - Velammal Engg. College Chennai. 4th to 16th Dec 2006.
41. AICTE Sponsored staff development program on **“Adaptive Signal Processing and their Applications”** - PSNA college of Engineering and Technology, Dindigul, 22nd Jan – 02nd Feb 2007.

Organizing Conference/ Workshop/ Symposia

1. Two days workshop on **“Intelligent Robotics”** on 26th &27th September 2016, at R.M.K College of Engineering and Technology, Puduvoyal, Chennai, Conducted by Respro Labs, Chennai.
2. IEEE Sponsored two days **National workshop on embedded system Technologies, 17th June 2016**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
3. IET Sponsored National Level One Day Workshop on Pioneer to Discover with Internet of Things (P2DIOT-16), 7th **March 2016**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.

4. 5th National Conference on Recent Advancements in Signal Processing and Communication(NCRASPC 2016) , 7th **March 2016**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
5. IET Sponsored Ignition of New, Creative and Innovative Ideas - Project Contest, **19th September 2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
6. Fourth National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC - 2013), 9th March **2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
7. “IET Sponsored National Workshop on Xplore Robotics” 9th March **2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
8. “IET Sponsored National Level Workshop on How to Implement Solar Energy” 3rd January **2015**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
9. **“International Conference on Recent Trends in Electrical Electronics Computing and Communication ICRTEECC-2014” 15th and 16th December 2014, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.**
10. IET Sponsored Third National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC - 2013), 10th March **2014**, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
11. AICTE Sponsored National Level Seminar on MIMO Wireless Communication and Future Networks, 2nd and 3rd December 2013, , R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
12. IET chapter inauguration in ECE department on 19th August 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
13. National Level Technical Symposia-TWYSTRA -13, 19th August 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
14. Second National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC - 2013), 1st April 2013, R.M.K College of Engineering and Technology, Puduvoyal, Chennai.
15. First National Conference on Recent Trends in Information Technology (NCRTIT 2012) ,27th February 2012, R.M.K College of Engineering and Technology, Puduvoyal, Chennai

Administrative Responsibilities

1. Final Year Coordinator From 2012 to till date
2. College Research Cell Coordinator from 2012 to till date
3. National Conference Coordinator – 2012 to till date
4. International Conference Coordinator- 2014

5. IET Coordinator – 2013 to till date
6. RMKCET Department Advisory Committee member - 2014
7. IET Executive Council Member – 2013 to till date

List of Subjects Handled

Under Graduate Subjects

- Principles of Communication
- Microprocessor and Micro Controller
- Communication Theory
- Digital Communication
- VLSI design
- Analog and Digital Communication
- Electronic Devices and Circuits
- Embedded Systems
- Signals and Systems

Post Graduation Subjects

- Low Power VLSI Design
- VLSI signal Processing
- CMOS VLSI design
- Multimedia Compression Techniques
- Optical Communication Networks
- Mobile Communication
- Advanced Digital Communication

Funded project submitted

Principal Investigator : Mr.C.Arun,
 Funding agency : DST
 Proposed expenditure : Rs. 12 lakhs

Title: Design and Implementation of a Hard Output Viterbi Algorithm (HOVA) for use in a Concatenated Source Coding Scheme.

Technical Skills

Language : C, C++, VHDL
 Tools : MatLab, Modelsim, FPGA Advantage, Multisim
 Platforms : DOS, Windows 9X, Windows NT/2000
 Hardware : Intel x85, x86, PIC Processors

In plant Training

All India Radio (AIR), Tuticorin

Membership in Professional bodies

1. Life Member in ISTE- LM45065
2. Life Member of VSI (VLSI society of India)- 1601
3. IET (Institution of Engineering and Technology) Annual member -1100210638

Field of Interest

1. Analog and Digital communication
2. Multimedia Compression and Communication
3. VLSI Designs
4. Cognitive Radio

Languages known

English, Tamil, Telugu