

Name	Dr.B.KALAAVATHI			
Department & Designation	Professor & Head/ CSE			
Qualification	B.E.,M.Tech.,Ph.D.			
Area of Specialization	Computer Science and Engineering			
Date of Joining (KSR IET)	01-07-2011			
Experience (as on 01.06.2021)	Teaching:26	Industry:02	Others: 00	
Number of Papers Published	National Journals : 00		International Journals : 68	
Number of Papers Presented	National Conferences : 11		International Conferences : 08	
Books Published	National Publisher : 02		International publisher : 00	
Contact Details	E Mail: hod_cse@ksriet.ac.in		Mobile:94425 40803	

Publications (International Journals)

2007

1. B.Kalaavathi and K.Duraiswamy, “Ant Colony Based Node-Disjoint Hybrid Multi-path Routing for Mobile Ad Hoc Network”, International Transactions on Computer Science and Engineering, Vol. 43 (1), pp.174-191, 2007.

2008

2. B.Kalaavathi and K.Duraiswamy, “Ant Colony Based Node-Disjoint Hybrid Multi-path Routing for Mobile Ad Hoc Network”, International Journal of Computer Science, Vol. 4 (2), pp. 80-86, 2008.
3. B.Kalaavathi and K.Duraiswamy “Cross-Layer Design for Ant Colony Based Hybrid Multi-path Routing in Mobile Ad Hoc Network”, International Journal of Engineering Research and Industrial Applications, Vol.1 (7), pp.193 – 207, 2008

2009

4. Vijayaragavan, S, Duraiswamy, K., B.Kalaavathi, and Madhavi, S, “A Performance Comparison of Multipath Multicast Routing Protocols for MANET”, International Journal of Computer Science and Network Security, Vol. 9, No. 11, pp. 163-169, 2009
5. Vijayaragavan, S, Duraiswamy, K., B.Kalaavathi, and Madhavi, “A Performance Study of Reactive Multicast Routing Protocols in Virtual Class Room Using Mobile Ad Hoc Network”, Journal of Computer Science, Vol. 5, No. 11, pp. 788-793, 2009

2010

6. Vijayaragavan, S, Duraiswamy, K., B.Kalaavathi, and Madhavi, “Power-Aware Multiple Path Multicast Ad hoc On Demand Distance Vector Routing Protocol”, IJCA Special Issue on Mobile Ad-hoc Networks, MANETs, Vol. 5, No. 11, pp. 173-179, 2010
7. Sabari, A., Duraiswamy, K. and B.Kalaavathi , “A Comparative Performance Study of MAODV and MANHSI for Mobile Ad Hoc Networks”, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences, Vol. 3, Issue 1, PP. 465-468, 2010.

2011

8. Kuppusamy, P and B.Kalaavathi, “A Review of Cooperative Caching Strategies in Mobile Ad Hoc Networks”, International Journal of Computer Applications, Vol. 29, no. 11, pp. 22, 2011
9. Kuppusamy, P and B.Kalaavathi, “Scenario Based Performance Evaluation of DSR and AODV Routing Protocols”, International Journal on Computer Science Engineering Technology, Vol. 1, no. 6, pp. 320, 2011
10. P.S. Gomathi and B.Kalaavathi, “Multifocus Image Fusion Using Discrete Wavelet Transform”, CiiT Journal of Digital Image Processing, VOL.3, No.10, pp.630-635,ISSN:0974-9586

2012

11. Kuppusamy, P and B.Kalaavathi, “Cluster Based Data Consistency for Cooperative Caching over Partition-able Mobile Ad hoc Network”, American Journal of Applied Sciences, Vol. 9, no. 8, pp. 1307, 2012
12. Kuppusamy, P and B.Kalaavathi, “A Novel Cache Update Algorithm for Consistency Maintenance over Cluster Based MANET”, International Journal of Computer Science & Engineering Technology, Vol. 3, no. 7, pp. 235, 2012
13. S. Selvi and B.Kalaavathi, “Dynamic Steady State Distribution in Cloud”, International Journal of Engineering and Innovative Technology, Volume 1, Issue 3, ISSN:2277 – 3754, PP 129-132, March-2012.
14. Kuppusamy, P and B.Kalaavathi, “Energy Efficient Cluster Cooperative

Caching for Mobile Ad-Hoc Networks”, International Journal on Computer Science and Technology, Vol. 3, no. 2, pp. 545-549, 2012

15. M.I. Thariq Hussain and B.Kalaavathi, “Performance Analysis of Temporal Mobile Sequential Patterns in Location Based Service”, International Journal of Computer Science, Information Technology and Security, Volume 2, No. 5, October 2012, PP 957-964, ISSN: 2249-9555
16. S.Poongodi and B.Kalaavathi, “Comparative Study of Various Transformations in Robust Watermarking Algorithms”, International Journal of Computer Applications, ISSN: (0975 – 8887) Volume 58, No.11, November 2012, PP: 36 -42.

2013

17. M.I. Thariq Hussain and B.Kalaavathi, “Content Based Image Retrieval with Application of Clustering of Data and User Interaction”, International Journal of Advanced Information Science and Technology, Volume 10, No. 10, February 2013, PP 42-48, ISSN: 2319-2682.
18. M.I. Thariq Hussain and B.Kalaavathi, “Multi-Cluster Based Temporal Mobile Sequential Pattern Mining Using Heuristic Search”, WSEAS Transactions on Computers, Issue 11, Volume 12, November 2013, PP 432-439, E-ISSN: 2224-2872 Annexure-II, SJR-0.223(2013)
19. P.S. Gomathi and B.Kalaavathi, “Wavelet based image fusion for Medical Applications” International Review on Computers and Software (IRECOS) , Vol.8,No.11, November 2013 ISSN :1828-6003 (S.No: 8815 in Annexure II) Impact Factor 0.54
20. N. Mohanapriya and B. Kalaavathi, “Comparative Study of Different Enhancement Techniques for Medical Images” International Journal of Computer Applications, ISSN (0975 – 8887) Volume 61– No.20, January 2013 PP 39-44
21. S.Gayathri, N.Mohanapriya and Dr.B.Kalaavathi, “Survey on Contrast Enhancement Techniques”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, Issue 11, November 2013 ISSN (Print) : 2319-5940 ISSN (Online) : 2278-1021 PP: 4176-4180
22. V.Vijayakumar ,S.Poongodi and B.Kalavathi “Digital Watermarking Technique : A Survey”, IRACST - International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555 , Vol. 3, No.1, February 2013, PP:6-14
23. S.Poongodi, B.Kalaavathi and M.Shanmugapriya, “Secure Transformation of Data in Encrypted Image Using Reversible Data hiding Technique”, International Journal of Engineering Science and Innovative Technology (IJESIT), ISSN: 2319-5967, Volume 2, Issue 4, July 2013, PP:45-50

2014

24. P.S. Gomathi and B.Kalaavathi, “Multimodal Medical Image Fusion using neighbouring Pixel Selection” International Journal of Bio-Science and Bio-

Technology, Vol.6, No.3 2014, pp.97-108. ISSN : 22337849 (S.No: 7927 in Annexure II) Impact Factor 0.68

25. P.S. Gomathi and B.Kalaavathi, "Medical Image Fusion Based On Redundant Wavelet Transform and Morphological Processing", World Academy of Science, Engineering and Technology, Vol:8, No:6, 2014, pp.906-910. ISSN:2010376X E-ISSN:20103778 (S.No:20409 in Annexure II) Impact Factor:1.209
26. S.Gayathri, N.Mohanapriya, B.Kalaavathi, "Efficient Contrast Enhancement Using Gamma Correction With Multilevel Thresholding And Probability Based Entropy", IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 pISSN: 2321-7308 Volume: 03 Special Issue: 07, May-2014, Available @ <http://www.ijret.org> PP: 781-786
27. P.Suganya, N.Mohanapriya, B.Kalaavathi Satellite Image Resolution Enhancement Using Multi Wavelet Transform And Comparison Of Interpolation Techniques, IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 pISSN: 2321-7308 Volume: 03 Special Issue: 07, May-2014, Available @ <http://www.ijret.org> PP 769-772
28. N. Mohanapriya, and B. Kalaavathi, Image Enhancement Using Multilevel Contrast Stretching and Noise Smoothing Technique for CT Images, International Journal of Scientific & Engineering Research, Volume 5, Issue 5, 2014 ISSN 2229-5518 PP 713-718
29. S.Poongodi, and B,Kalaavathi, "The Transmission of Image and Data Through Video Signal Using Wavelet Transform", International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2319-8753 Vol. 3, Issue 4, 2014 PP: 11345-11349
30. S. Poongodi and B. Kalaavathi, "Data Hiding in Watermarking Technique with Effective Key Length Using Spread Spectrum Technique" , Australian Journal of Basic and Applied Sciences, ISSN:1991-8178, 8(15) 2014, PP: 100-105, Annexure II Impact Factor: 0.675
31. R. Chithra, B. Kalavathi and J. Christy Lavanya "Survey of Key Management Algorithms in WiMAX", World Academy of Science, Engineering and Technology, International Journal of Mathematical, Computational, Natural and Physical Engineering, Vol:8, No:9, 2014, PP:1222-1225, Annexure II, Impact Factor:1.209
32. Vimala devi and B.Kalaavathi, "Microarray Gene Ranking Technique Based on Modified Successive Feature Selection Algorithm", Journal of International Review on Computers and Software, Vol. 9, No. 3, 2014 , Annexure II, Impact Factor:0.53
33. Vimala devi and B.Kalaavathi, "Feed-Forward Back Propagation Neural Network for Ranking Gene Expression Data", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 9, Number 21 (2014) pp. 11315-11325 , Annexure II, Impact Factor:0.16
34. Vimala devi and B.Kalaavathi, "A microarray gene expression data classification using hybrid back propagation neural network", International Journal - Genetika, Vol 46, No. 3, December 2014 PP: 1013-1026 , Annexure I, Impact Factor:0.347
35. Vimala devi and B.Kalaavathi, "Cancer Classification using Hybrid Fast

Particle Swarm Optimization with Backpropagation Neural Network”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 11, 2014

36. P. Kuppusamy, Dr.B.Kalaavathi and S. Chandra, “Optimal Data Replacement Technique for Cooperative Caching IN MANET”, ICTACT Journal on Communication Technology, ISSN: 2229-6948, 2014, Volume: 05, Issue: 03

2015

37. P.S. Gomathi and B.Kalaavathi, “Reserving Room before Encryption for Reversible Data Hiding with Scan Encryption” , International Journal of Applied Engineering Research, Volume 10, Number 3, 2015 pp. 8231-8239. ISSN 0973-4562, Annexure II, Impact Factor:0.16
38. [S. Sivasanguman](#), [P.S. Gomathi](#) and [B. Kalaavathi](#), “Regional Firing Characteristic of PCNN Based Multimodal Medical Image Fusion In NSCT Domain”, International Journal of Biomedical Engineering and Technology, Inderscience online, Volume 18, Issue 3, Print ISSN: 1752-6418 Online ISSN: 1752-6426, DOI: 10.1504/IJBET.2015.070575, 2015, Annexure II, Impact Factor :0.60
39. R.Chitra and B.Kalaavathi, “Secured Session Based Profile Caching for E-Learning Systems Using WiMAX Networks” World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:6, 2015,pp 1632-1635
40. M.I Thariq Hussain and B.Kalaavathi “ An Optimized User Behavior Prediction Model Using Genetic Algorithm on Mobile Web Structure” , KSII Transactions On Internet And Information Systems, VOL.9 NO.5., MAY 2015, ISSN:1976-7277 <http://dx.doi.org/10.3837/tjis.2015.05.023> Annexure I, Impact Factor :0.54
41. R.Chitra and B.Kalaavathi “Security Enhancement Using Cache Based Re-authentication in WiMAX Based E-Learning System”, Hindawi Publishing Corporation The Scientific World Journal, Volume 2015, Article ID 878327, 6 pages <http://dx.doi.org/10.1155/2015/878327>, ISSN: 1537-744X, Annexure I, Impact Factor :1.55
42. R.Chitra and B.Kalaavathi “Secured Session Based Authentication Protocol for E-Learning using WiMAX Networks”, International Journal of Advancements in Computing Technology(IJACT), Volume7, Number5, September 2015
43. R.Chitra and B.Kalaavathi, “Review on Security Issues In WiMAX Networks for E-Learning”, International Journal of Computer Science and Mobile Applications, Vol.3 Issue. 9, September- 2015, pg. 14-19 , ISSN: 2321-8363
44. R.Chitra ,B.Kalaavathi and K.S.Aruna Shivani, “Survey on Handover Security Issues in WiMAX Networks” World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:4, 2015, pp 1063-1072.

2016

45. P.S. Gomathi and B.Kalaavathi, "Multimodal Medical Image Fusion in Non-Subsampled Contourlet Transform Domain", *Circuits and Systems*, 2016, Vol.7 No.8, pp.1598-1610. ISSN Print:2153-1285, ISSN Online:2153-1293
46. Selvi, S and Dr. Kalaavathi, B,"Multilayer Intensive Resource Allocation in Cloud using Leftist Heaps with VM Migration",*International Journal of Printing, Packing & Allied Sciences*, vol. 4,no. 4, pp. 2763-2775, 2016.(Annexure - I)
47. P.S. Gomathi and B.Kalaavathi, "Medical Image Fusion Based on Multiscale Transforms" , *Journal of Medical Imaging and Health Informatics*, 2016, ISSN:2156-7018 (Print), EISSN:2156-7026 (Online), Annexure I, Impact Factor:0.58
48. Selvi, S and B.Kalaavathi, B, „AGERL based Enhanced Map Reduce Technique in Cloud Scheduling“, *SSRG International Journal of Computer Science and Engineering*, 2016, vol. 3, no. 10, pp. 60-65.
49. Selvi, S and B.Kalaavathi, B, „Enhanced Scheduling Approach Using Heuristics Flow Equilibrium Based Load Balancing Algorithm In Cloud“, *International Journal of Control Theory and Applications*, 2016,vol. 9, no. 2, pp. 1023-1034. (Annexure – II)
50. Selvi, S and B.Kalaavathi, B, "Multilayer Intensive Resource Allocation in Cloud using Leftist Heaps with VM Migration",*International Journal of Printing, Packing & Allied Sciences*, 2016,vol. 4,no. 4, pp. 2763-2775.(Annexure - I)
51. R.Chitra and B.Kalaavathi, "Effective Multicast Broadcast Services in Mobile WiMAX Using Location Based Load Management Technique" *South Asian Journal of Engineering and Technology* 2016, Vol.2, No.19,pp 22–27
52. S D Prabu Ragavendiran and B.Kalaavathi, "A Schema for Evaluating Service Provider Level Trust", *Asian Journal of Research in Social Sciences and Humanities*, Vol. 6, No. 11, November 2016, pp. 179-188, ISSN 2249-7315, DOI NUMBER:10.5958/2249-7315.2016.01184.9
53. S D Prabu Ragavendiran and B.Kalaavathi, "Enhancing User Trust Using Access Pattern based User Trust Computation and Cloud Trial Strategies", *International Journal of Printing, Packaging & Allied Sciences*, Vol. 4, No. 5, December 2016, ISSN 2320-4387

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54. Selvi, S and B. Kalaavathi, B, „Reducing Rejected Workflows using WSHF algorithm in Cloud“, *Asian Journal of Research in Social Sciences and Humanities*, 2017,vol. 7,no. 3,pp. 397-405.(Annexure – I)
55. Selvi, S and B. Kalaavathi, B," Analyzing the Gene Expression Data using Dynamic Resource Provisioning and Load Balancing Methodology: A case Study", *Journal of Medical Imaging and Health Informatics*,(Annexure-I) Impact Factor:0.621
56. Selvaraju P and Kalaavathi B, "Grey Wolf Optimizer Based Web usage Data Clustering with Enhanced Fuzzy C Means Algorithm", *International Journal of Data Mining Techniques and Applications (IJDMTA)*, Vol. 6, Issue 1, June 2017,

Page(s): 12-16 ISSN: 2278-2397 , DOI: 10.20894/IJDMTA.102.006.001.003

57. Mohanapriya and B.Kalaavathi.” "Adaptive Image Enhancement Using Hybrid Particle Swarm Optimization and Watershed Segmentation", *Intelligent Automation and Soft Computing – An International Journal*, November, 2017,(Annexure-I)Impact Factor : 0.644
58. Umamaheswari, A and Dr.Kalaavathi, B, “ Intrusion detection and prevention system in MANET using hierarchical task network planning”, *Perspectives in Information Science*, vol.22, sp.4, p28. , Nov./ Dec. 2017, ISSN: 1413-9936
59. Viveka, S and Dr. Kalaavathi B, „An artificial bee colony algorithm to mine high utility itemsets“, *Perspectivas Em Ciencia Da Informacao*, vol. 22, no. 4, December 2017, pp. 259-269. ISBN : 1413-9936
60. Selvaraju P and Kalaavathi B, “An efficient path completion technique based on auxiliary pages for web usage mining”, *Asian Journal of Research in Social Sciences and Humanities*, vol. 7, no. 2, 2017 pp. 22-36 Online ISSN : 2249-7315. Article DOI : 10.5958/2249- 7315.2017.00068.5

2018

61. D.Muthusankar and B. Kalaavathi, “High performance feature selection algorithms using filter method for cloud-based recommendation system” *Cluster Computing The Journal of Networks, Software Tools and Applications* ISSN: 1386-7857 (Print) 1573-7543 (Online), Feb 2018
62. S D Prabu Ragavendiran and B.Kalaavathi, “Location Based Trust Ranking For Cloud Service Providers Using Cloud Simulator And Fuzzy Systems” *Journal of Web Engineering*, Vol. 17, No.6 (2018) 2300-2313 .
63. Umamaheswari, A and Dr.Kalaavathi, B, “Honeypot TB-IDS: trace back model based intrusion detection system using knowledge based honeypot construction model”, *Cluster Computing The Journal of Networks, Software Tools and Applications* ISSN: 1386-7857 (Print) 1573-7543 (Online),2018, <https://doi.org/10.1007/s10586-018-2173-4>
64. S D Prabu Ragavendiran and B.Kalaavathi, “Location Based Trust Ranking For Cloud Service Providers Using Cloud Simulator And Fuzzy Systems” *Journal of Web Engineering*, Vol. 17, No.6 (2018) 2300-2313 .
65. Umamaheswari, A and Dr.Kalaavathi, B, “Honeypot TB-IDS: trace back model based intrusion detection system using knowledge based honeypot construction model”, *Cluster Computing The Journal of Networks, Software Tools and Applications* ISSN: 1386-7857 (Print) 1573-7543 (Online),2018, <https://doi.org/10.1007/s10586-018-2173-4>

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66. Viveka,S & Dr.Kalaavathi B, „An Artificial Bee Colony Algorithm to Mine Periodic High Utility Itemsets“ in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, vol. 8, no. 6,2019.
67. Dhipa, Dr. B. Kalaavathi ,” Trust and Privacy Based Authentication Method for Vertical Handoff Decision in Heterogeneous Network”. *International Journal of*

Engineering and Advanced Technology (IJEAT)_ ISSN: 2249 – 8958, Volume:9 Issue: 11 Pages: 5328-5334,2019.

68. N Mohanapriya, Dr.B Kalaavathi, “Adaptive Image Enhancement Using Hybrid Particle Swarm Optimization and Watershed Segmentation”, INTELLIGENT AUTOMATION AND SOFT COMPUTING, Volume:25 Issue: 4 Pages: 663-672,2019

Publications (National Journals)

1. R.Chitra and B.Kalaavathi “Security Enhancement in ICT for Education using WiMAX Networks” CSI Communications, Volume No.39, Issue No.9, December 2015, pp 36-40.

Publications (International Conferences)

1. B.Kalaavathi, Sabari A and K.Duraiswamy “ Virtual class room using Mobile Ad Hoc network” International conference on e-learning, PGP Engineering College, Namakkal, 25.10.2005 & 26.10.2005
2. B.Kalaavathi and K.Duraiswamy “Review of Ant Based Routing Protocols for MANET” International Conference on Computing ,Communication and Networking , Chettinad College of Engineering & Technology, Karur, 18.12.2008 to 20.12. 2008
3. Gomathi P S and B.Kalaavathi “Multimodality Medical Image Fusion Using Discrete Wavelet Transform and Morphological Operation” Second International Conference on Emerging Research, 20.02.2012 to 21.02.2012
4. M.I. Thariq Hussain and B.Kalaavathi, “Efficiency of Multi-Clustering in Mobile Pattern Mining “International Conference on Data mining and Soft Computing Techniques organized by SASTRA University, Thanjavur, 25.10.2013 & 26.10.2013
5. Mohanapriya N and B.Kalaavathi “Efficient contrast Enhancement using Gamma correction with Multilevel Troubleshooting and Probability Based Entropy” International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem, 08.04.2014 and 09.04.2014.
6. Mohanapriya N and B.Kalaavathi “Image Enhancement using Multilevel contrast Stretching and Noise Smoothing Technique for CT images” International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem, 08.04.2014 and 09.04.2014.
7. Mohanapriya N and B.Kalaavathi “Satellite images Resolution Enhancement using Multiwavelet Transform and comparison of Interpolation Technique” International Conference on Trends in Technology for Convergence, AVS Engineering College, Salem, 08.04.2014 and 09.04.2014.
8. Ravichandran A and B.Kalaavathi “Multiobject tracking Methods Based on particle filter and HMM ” International Conference on Innovations in Communication and Computer Engineering, 15.02.2015

Publications (National Conferences)

1. B.Kalaavathi, Sabari A and K.Duraiswamy “Mobile Agents for Routing in Networks “,National Conference on Mobile Computing , BS Abdur Rahman

- College of Engineering, NCMC-2005
2. B.Kalaavathi, Sabari A and K.Duraiswamy “Study of Ant Net Routing Algorithms to Improve Qos in Networks” National Conference on High Performance Computing, GCE,Tirunelveli, 08.04.2005
 3. M.I. Thariq Hussain and B.Kalaavathi “Mining in Troubleshooting” National Conference on advanced Computing and Wireless Technology, Vidyaa Vikas College of Engineering and Technology, Tiruchengode, 18.02.2011
 4. M.I. Thariq Hussain and B.Kalaavathi “Effective Sequential Pattern Mining Algorithms for Dense Database” National Conference on Emerging Technology in Computer and Communication organized by Vivekanandha Institute of Engineering and Technology for Women, Tiruchengode, 15.03.2011 & 16.03.2011
 5. Gomathi P S and B.Kalaavathi “An improved multimodality medical image Fusion on Discrete Wavelet Transform” IEEE National Conference on Computational Intelligence and Computing Research, 15.12..2011 to 18.12.2011
 6. M.I. Thariq Hussain and B.Kalaavathi “Mining Cluster-Based Temporal Mobile Sequential Patterns in Location Based Service Environments” National Conference on Emerging Trends in Engineering and Technology organized by CMS College of Engineering, Namakkal, 15.03.2013 & 16.03.2013
 7. M.I. Thariq Hussain and B.Kalaavathi “Customer Data Clustering using Data Mining Technique” National Conference on Innovative Research in Materials, Manufacturing and Design organized by Annai College of Engineering and Technology, Kumbakonam, 05.04.2013
 8. Uma maheswari A and B.Kalaavathi “A Study on Clustering Algorithms for Wireless Sensor Networks” National Conference on Recent Trends in Engineering and Technology organized by KSR Institute for Engineering and Technology, Tiruchengode, 10.04.2013

Patents Applied:

Application No. 201941037491

Title : A METHOD OF AN AUTOMATED RATION DISTRIBUTION SYSTEM

Books /Instruction materials/monograms published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	Grid and Cloud Computing	Dr.B.Kalaavathi P.Krishna Shankar	ARS Publishers	2016
2.	Artificial Intelligence	Dr.B.Kalaavathi P.Krishna Shankar	ARS Publishers	2016

Funded Research Projects

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	Virtual Class Room using MANET	AICTE- RPS (Research Promotion Scheme) (2006 to 2008)	5.75 lakhs	Co-Principal Investigator

Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Date		Topic / Title	Funding agency and Amount Sanctioned
	From	To		
1.				

Consultancy Activities (Industry)

S.No	Title of the Project	Name of the Company
1.		

LIST OF LECTURES/KEYNOTES DELIVERED

S.No.	Programme type	Venue	Date
1.	Lecture on AICTE Sponsored SDP on “Mobile Computing”	KSR College of Engineering, Tiruchengode	24.07.06
2.	Lecture on AICTE Sponsored SDP on “Mobile ad hoc Networking and computing”	M.Kumarasamy College of Engineering ,Karur	24.05.10
3.	Lecture on “Mobile Computing”	Bannari Amman Institute of Technology, Sathyamanagalam	18.02.11
4.	Lecture on CSIR Sponsored Seminar on “Research Perspective on Mobile ad hoc network”	Velalar college of Engg and Technology ,Erode	04.03.11
5.	Lecture on CSIR Sponsored seminar on “Wireless Sensor Network for the Surveillance of Nuclear Radiation”	KSR College of Engineering, Tiruchengode	18.06.12
6.	Technical lecture on FDP in “Mobile and Pervasive	SNS College of Technology, Coimbatore	09.01.13

	Computing”		
7.	Keynote address on Networks in International Conference on “Recent advances and Trends in Computer Engineering, Management and Society”	Vivekananda College of Engineering for Women, Tiruchengode	06.03.14 to 07.03.14
8.	Lecture on Anna University sponsored FDP on “Architecture Business Cycle”	KSR College of Engineering, Tiruchengode	03.12.15

LIST OF TRAINING PROGRAMMES ATTENDED

S.No.	Programme Name	Period	No. of days
1.	AICTE/ISTE/STTP Summer School on Multimedia at PSG College of Technology, Coimbatore	27.07.1998 to 08.08.1998	2 weeks
2.	Workshop on effective teaching skills at K.S. Rangasamy College of Technology, Tiruchengode	28.06.02 to 29.06.02	2 days
3.	Workshop on “Trends in Distributed Computing “at Jayaram College of Engineering and Technology, Trichy	21.08.02 to 22.08.02	2 days
4.	Wipro Mission 10x workshop at K.S. Rangasamy College of Technology, Tiruchengode	01.02.11 to 05.02.11	5 days
5.	National level Seminar on Intelligent based Wireless Ad Hoc and Sensor Networks and its Application with Ocean Technology at K.S. Rangasamy College of Technology, Tiruchengode	19.08.11 to 20.08.11	2 days
6.	National Symposium on Acoustics by KSR Institute for Engineering & Technology and Acoustical society of India	05.12.12 to 07.12.12	3 days
7.	Workshop on training of Evaluators/resource person on outcome based accreditation by NBA at Bannari Amman Institute of Technology, Sathyamangalam	24.07.13 to 26.07.13	3 days
8.	Workshop on Big Data analytics at NIT,Tiruchirapalli	12.12.14 to 13.12.14	2 days
9.	VMware Academy Day Benagaluru 2016 at VMware Soft. India Pvt.Ltd, Benagaluru	20.04.2016	1 day
10.	vITA Data Center Virtualization Fundamentals at Sona College of	30.05.2016 to	3 days

	Technology,Salem	01.06.2016	
11.	Pre convention Tutorial of 51 st Annual convention of Computer Society of India at PSG College of Technology, Coimbatore on “Data Science”	22.01.2017	1 day

LIST OF PROGRAMMES ORGANIZED

S.No.	Programme		Date
	Name	Type	
1.	National Conference in “Emerging Trends in Computer Science and Engineering”, K.S. Rangasamy College of Technology, Tiruchengode.	National Conference	20.02.2007
2.	National conference on Information and communication Technology, (NCICT2010), (sponsored by Infosys), K.S. Rangasamy College of Technology, Tiruchengode	National Conference	05.03.10
3.	Recent Trends and Advances in Information Technology, (NCRAIT“-11), K.S. Rangasamy College of Technology, Tiruchengode	National Conference	05.03.11
4.	National Conference on Recent Trends in Engineering and Technology”,13, K S R Institute for Engineering and Technology, Tiruchengode	National Conference	06.04.13
5.	One day Seminar on Higher Education and Employability , “Ignite to Elevate”, K S R Institute for Engineering and Technology, Tiruchengode (Alumni Students)	Seminar	10.08.2013
6.	One day Power Seminar on “Employability Skills” in association with ICTACT, K SR Institute for Engineering and Technology, Tiruchengode.	Seminar	05.10.2013
7.	CSI student Chapter “Two days Regional Level Student Convention”, K SR Institute for Engineering and Technology, Tiruchengode.	Workshop & Symposium	13 & 14, Feb,2015
8.	National Seminar on “How to prepare for IAS, IPS Competitive Examinations”, K S R Institute for	Seminar	15.02.14

	Engineering and Technology, Tiruchengode		
9.	National Conference on “Recent Trends in Engineering and Technology”¹⁴, K S R Institute for Engineering and Technology, Tiruchengode	Conference	12.03.14
10.	“Tech-Bridge” Workshop programme for School Headmasters in association with Computer Society of India, K S R Institute for Engineering and Technology, Tiruchengode	Workshop	23.08.14
11.	National conference on Recent Trends in Engineering and Technology”¹⁵, K S R Institute for Engineering and Technology, Tiruchengode	Conference	07.03.15
12.	One day Power Seminar on “Employability Skills” in association with ICTACT, K S R Institute for Engineering and Technology, Tiruchengode.	Seminar	31.01.2015
13.	Two days workshop on “Mathematics-Engineering Perspective”, K S R Institute for Engineering and Technology, Tiruchengode.	Workshop	09.10.2014 & 10.10.2014
14.	Five days Faculty Development programme on “C# and ADO.NET Programming” in association with ICT Academy of Tamil Nadu, K S R Institute for Engineering and Technology, Tiruchengode.	FDP	23.11.15 to 27.11.15
15.	Two days hands on workshop on “Mobile Applications Development”, K S R Institute for Engineering and Technology, Tiruchengode.	Workshop	25.11.15 to 27.11.15
16.	Two days hands on workshop on “Grid and Cloud Computing”, K S R Institute for Engineering and Technology, Tiruchengode.	Workshop	17.06.16 to 18.06.16
17.	Three days FDP on “Compiler Design” K S R Institute for Engineering and Technology, Tiruchengode.	FDP	15.12.16 to 17.12.16

18	One day Power Seminar on “Establishing Goals and Priorities” in association with ICT Academy, K S R Institute for Engineering and Technology, Tiruchengode.	Seminar	28.01.2017
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Membership in Professional Bodies

- Indian Society for Technical Education (ISTE) - Life Member
- Computer Society of India – Life Member

Subject Links

Mobile Computing:

1. [Hidden Terminal Problem \(CSMA CA\) RTS-CTS Mechanism](#)
2. [Multiple Access Techniques in wireless networks](#)
3. [Discovery, Registration and Tunneling\(mobile IP\)](#)
4. [Mobile IP – Lecture PPT](#)
5. [DSR Protocol](#)

