**PROFILE OF Dr. P. BALAMURUGAN**

**Dr. P. BALAMURUGAN Ph.D., MIEEE.,**

***Professor***

Department of Computer Science and Engineering

Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology (Deemed to be University)

Avadi, Chennai – 600062, Tamilnadu, India.

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***Dr. P. Balamurugan*** *is Professor of Department of Computer Science and Engineering at Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai, Tamilnadu, India. He passed BE in Computer Science and Engineering from Madurai Kamaraj University in 2003 and ME in Computer Science and Engineering from Manonmaniam Sundaranar University in 2006. He completed his doctorate from Anna University in 2013. He obtained GATE score in 2003.He is recognized as a Supervisor for Ph.D Programme and M.Tech(By Research) in Information and Communication Engineering for ANNA UNIVERSITY and Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology. He is the member of IEEE, ACM, ISTE etc... He is trained certificate holder of ‘High Impact Teaching Skills’ through WIPRO MISSION 1OX and Trained Evaluator & Resource Person of NBA (National Board of Accreditation) by AICTE, New Delhi. He is in the reviewer member of 6 International/National Journals. His research interest is mainly in networks, ad hoc and sensor networks, and data structures. He published books “Theory of Computation”, “System Software“and “Problem Solving and python Programming”. He published a number of research papers in international journal and presented papers in international conferences. He has done a number of consultancy works at various organizations. He has delivered a number of guest lectures at various organizations. He also organized number of workshop, conference and seminars.*

**Academic Qualifications**

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| --- | --- | --- | --- | --- | --- |
| **Degree** | **Institution** | **University** | **Year of Completion** | **Specialization** | **Class** |
| Ph.D | Anna University, Chennai. | Anna University, Chennai. | 2013 | Wireless Sensor Networks | I class |
| M.E | Manonmaniam Sundaranar University, Tirunelveli. | Manonmaniam Sundaranar University, Tirunelveli. | 2006 | Computer Science and Engineering | I class |
| B.E | Syed Ammal Engg., College, Ramanathapuram. | Madurai Kamaraj University, Madurai. | 2003 | Computer Science and Engineering | I class |

**Academic Positions:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Position** | **Period** | **Institutions** | **Nature of Work** | **Experience** |
| Professor | 05.07.2017  to Till Date | Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology (Deemed to be University), Chennai. | Teaching and Research | 01year and three months |
| Associate Professor | 02.06.2013- 27.06.2017 | K.S.R. College of Engineering, Tiruchengode. | Teaching & Research | 04 years |
| Assistant Professor | 01.07.2010- 01.06.2013 | K.S.R. College of Engineering, Tiruchengode. | Teaching & Research | 03 years |
| Sr .Lecturer | 01.07.2009 -30.06.2010 | K.S.R. College of Engineering, Tiruchengode. | Teaching & Research | 01 year |
| Lecturer | 26.06.2006 - 30.06.2009 | K.S.R. College of Engineering, Tiruchengode. | Teaching | 03 years |
| Lecturer | 01.06.2003 - 31.05.2004 | K.S.R. College of Engineering, Tiruchengode. | Teaching | 01 year |
| **Total Teaching Experience** | | | | **13 years and Three months** |

**Research Guidance Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Programme** | **Pursuing** | **Completed** | **Total** |
| ME/M.Tech (Research ) | 1 | 15 | 16 |
| Ph.D | 08 | 05 | 13 |

**Patents:**

1. **Title:** Integrated Securing Schemes for Data Gathering in Wireless Sensor Networks, Intellectual Property Rights, **Reference no:** E-2/2691/2015-CHE dated on 18/09/2015.
2. **Title**: Power Generation using Retention of Rotary Motion in a Turbine by Water Currents, Intellectual Property Rights.**Reference no**: E-101/21212/2017-CHE dated 12.09.2017.

**Achievements**

* GATE Scorer (Reg No: CS 758065) in February, 2003.

**Consultancy works**

|  |  |  |  |
| --- | --- | --- | --- |
| **Duration** | **Organization** | **Project Title** | **Amount Received** |
| 10.03.2015-25.07.2015 | Indsoft Technologies, Tirunelveli, India. | Web Design and Office Automation. | Rs. 1,03,300 |
| 03.08.2015-22.12.2015 | Had best financial service, Erode, India. | Office Development and Online Transactions for Financial Service | Rs. 1,50,300 |
| 11.03.2016-18.07.2016 | Nalan food,  Gobichattibalayam,  Tamilnadu. | Web design and Online Application Development with Shopping Cart | Rs. 1,01,100 |

**Book Publications:**

1. P.Balamurugan,V.Sharmila, **Theory of Computation**, First Edition, ISBN No. 978-93-86176-24-0, Bonfring, Gandhipuram, Coimbatore, 2016.
2. P.Balamurugan, **System Software**, First Edition, ISBN No.978-81-909948-8-0, VeeEee Technologies Private Limited, Cheannai, 2012.
3. S.Tamilselvan, P.Balamurugan and S.Sivakumar, **Problem Solving and Python Programming**, ISBN No.978-81-90879-50-7, Sri Maruthi Publications, Chennai, 2017.

**Publications:**

**SCI and NDERSCIENCE(Elsevier) Journals**

1. **Balamurugan P**, A, Viswabharathiand K Marimuthu,” Type-specific Classification of Bronchogenic Carcinomas using Bi-layer Mutated Particle Swarm Optimization” International Journal of Computer Aided Engineering and Technology, **INDERSCIENCE, Scopus (Elsevier)**, ISSN: 1757-2665, 2018. (to be published)
2. **Balamurugan P**, Marimuthu K, Mummoorthy A, Viswabharathi,” Consistent and Effective Energy Utilization of Node Model for Securing Data in Wireless Sensor Networks” International Journal of Grid and Utility Computing, **INDERSCIENCE**, **Scopus (Elsevier),** ISSN: 1741-8488,Vol.9, No.03,pp.220-227, 2018.
3. **P. Balamurugan** A. Subramani and K**.** Balamurugan,”Power Alert Newscast Planning for Guaranteeing Reliability in Mobile Wireless Sensing Element Networks ” Cluster Computing, The Journal of Networks, Software Tools and Applications, **Springer SCI,**ISSN 1573-7543, Vol. Issue,pp.1-15,2017. **(Impact Factor: 2.040)**
4. N. Saravanan A. Subramani and **P. Balamurugan**,” Optimal route selection in MANET based on particle swarm optimization utilizing expected transmission count” Cluster Computing, The Journal of Networks, Software Tools and Applications,**Springer SCI indexing,** ISSN1573-7543,Vol. Issue. PP.1-12, 2017**(Impact factor: 2.040.)**.
5. A. Vanitha A. Subramani and **P. Balamurugan**,” Game theory and fuzzy based back off algorithm for MAC protocol for multi traffic flows in ad hoc networks ” Wireless Networks”**Springer SCI**, ISSN 1022-0038, Vo 8, Issue 1, pp. 1–12 , April 2017**(Impact Factor: 1.981)**.

**Scopus Journals**

1. M Shyamala Devi, P Mahalakshmiand **Balamurugan P** “Multimodal Biometric Authentication using Gray Level Co-Occurrence Matrix for Enhancing Security in Cloud”, International Journal of Pure and Applied Mathematics, **Scopus**, ISSN: 1314-3395, Vol. 119 No. 16,pp. 5019-5031, 2018.
2. **P.Balamurugan** K Marimuthu, and M Shyamala Devi“ Reliable and Efficient Design for Detection of Wormhole Attack in Wireless Sensor Networks”, International Journal of Pure and Applied Mathematics, **Scopus**, ISSN: 1314-3395, Vol. 119 No. 15,pp. 1743-1753, 2018.
3. **Balamurugan P** and M Shyamala Devi,” [An energy minimizing score based optimal data gathering in wireless sensor networks](https://www.sciencepubco.com/index.php/ijet/article/view/13431)” International Journal of Engineering and Technology, **Scopus,** ISSN: 0975-4024,Vol. 7 No. 2.31,PP. 161-164, 2018.
4. M Shyamala Deviand **Balamurugan P**,” [Local energy match based non-sub sampled contourlet Transform for multi modal medical image fusion](https://www.sciencepubco.com/index.php/ijet/article/view/13432)” International Journal of Engineering and Technology, **Scopus,** ISSN: 0975-4024,Vol. 7 No. 2.31,PP. 165-169, 2018.
5. **Balamurugan P** and M Shyamala Devi,” Detecting Malicious Nodes using Data Aggregation Protocols in Wireless Sensor Networks ” International Journal of Engineering and Technology, **Scopus,** ISSN: 0975-4024,Vol. 7 No. 1.1,PP. 594-598, 2018.
6. M Shyamala Devi , A.N. Sruthi**, Balamurugan P**,” Artificial Neural Network Classification Based Skin Cancer Detection ” International Journal of Engineering and Technology, **Scopus,** ISSN: 0975-4024,Vol. 7 No. 1.1,PP. 591-593, 2018.
7. A.N. Sruthi, M ShyamalaDevi **Balamurugan P**,” Premature Interlude Detection and Classification of Breast Cancer using ANN Classifier” International Journal of Engineering and Technology, **Scopus,**ISSN: 0975-4024,Vol. 7 No. 1.1,pp. 587-590, 2018.
8. J. SairaBanu, M. RajasekharaBabu, and **P.Balamurugan,**“Analysis of Using Sparse Matrix Storage Formats in Image Compression Techniques”, International Journal of Pure and Applied Mathematics, **Scopus**,ISSN: 1314-3395, Vol. 117 No. 15,pp. 513-526, 2017.
9. **P. Balamurugan** A. Subramani and K**.** Balamurugan,” Power Aware Broadcast Scheduling  
   Algorithm for Reducing Latency in Mobile Wireless Sensor Networks” Journal of Computational and Theoretical Nanoscience, **Scopus,** ISSN 1546-1955, Vol.15. No.1 pp.255-260, 2017.
10. T. Ravichandran, **P. Balamurugan** and Dr**.** Krishna Mohanta,” Literature survey on search term Extraction technique for facet data Mining in customer facing website ” International Journal of Civil Engineering and Technology”, ISSN 0976-6316 , Volume 8, Issue 1, **Scopus,** January 2017, pp. 956–960. (Ind)
11. **P. Balamurugan**, T. Ravichandran and V. Sharmila,” Grade and Energy based Data Gathering Protocols in Wireless Sensor Networks” Asian Journal of Research in Social Sciences and Humanities, ISSN 2249-7315,**Scopus,** Vol 06, No 08,PP.728-744, 2016. (Ind)
12. V. Sharmila, G.TholkappiaArasu and **P. Balamurugan**,” An Graph Based Sentence Level Semantic Linkage Weighing Model for Efficient Text Clustering” Transylvanian Review, **Scopus**, ISSN1221-1249, Vol24, No 10, 2016.(Ind)
13. **Balamurugan P**, SharmilaV and MummoorthyA,” A Coincered Node Based Localization of Jammers in Wireless Sensor Networks” Circuits and Systems, ISSN 2153-1293, **Scopus,**Vol 07, No09, PP. 2613-2621,2016.
14. V. Sharmila, G.TholkappiaArasu and **P. Balamurugan**,” Non-Class Element based Iterative Text Clustering Algorithm for Improved Clustering Accuracy using Semantic Ontology” Asian Journal of Research in Social Sciences and Humanities, ISSN 2249-7315, **Scopus,**Vol.6, Special Issue, 2016.
15. **P.Balamurugan**, M. VijayaKumar, BasimAlhadidi and Hanumanthappa., “Crime Classification Algorithm for Mining Crime Hot Spot and Cold Spot”, International Journal of Computing Academic Research (IJCAR), ISSN 2305-9184,**Scopus,** Volume 3, Number 2, pp. 58-69,2014.
16. **P.Balamurugan,** M.VijayaKumar**,**BasimAlhadidiand andS.Nithyakalyani ,“Efficient Voronoi K-Means Algorithm for Mining Local Crime Spatial Outliers in Spatial Crime Data”, Australian Journal of Basic and Applied Sciences (AJBAS), **[THOMSON REUTERS (ISI)**, Impact Factor .07 ], ISSN 1991-8178, Vol.7,pp.67-74, No.10 2013.
17. **P.Balamurugan** and Dr.K.Duraiswamy,” Evaluation of Energy and Delay Computing Algorithm for Data Gathering in Wireless Sensor Networks”, European Journal of Scientific and Research ISSN 1450-216X, **[THOMSON REUTERS (ISI)**, Vol.66 No.1, PP.85-95, 2012.
18. **P.Balamurugan** and Dr.K.Duraiswamy,” Consistent and Proficient Algorithm for Data Gathering in Wireless Sensor Networks”, Journal of Computer Science ISSN 1549-3636, **Scopus,** Vol.7 No.9, PP.1400-1406, 2011.

**International Journals**

1. S. Tamil Selvan and **Balamurugan P**,” A Survey on Big Data and Hadoop” International Journal of Research in Computer Science, ISSN: 2349-3828,Vol.5 No. 3,pp. 1-6, 2018.(Ind)
2. K.Karthika **P.Balamurugan** V.Sharmila A.Vishwanathan”A Survey on Routing Protocols,Security Attack and Applications of MANET ” South Asian Journal of Engineering and Technology” Vol.3, No.9,pp. 23–30, 2017. (Ind)
3. E. Nandhini **P. Balamurugan**, V. Sharmila, A. Viswanathan”A Survey on Cloud Computing” South Asian Journal of Engineering and Technology” Vol.3, No.9,pp. 31–38, 2017. (Ind)
4. M.Devishree **P.Balamurugan**, V. SharmilaA.Vishwanathan” A Survey on Security andCoverage Issues In Wireless Sensor Networks” South Asian Journal of Engineering and Technology” Vol.3, No.8,pp. 39–48, 2017. (Ind)
5. T. Janaranjani, **P. Balamurugan** and V. Sharmila,” An Integrated Security Solution for Data Distribution in WSN” South Asian Journal of Engineering and Technology, ISSN 2454-9614, Vol 02, Issues 17, 2016. (Ind)
6. V.Vennila V.Sharmila **P.Balamurugan** and S.Savitha,” Information Retrieval And Recommendation Framework Using Maximum Matched Pattern Based Topic Models” International Journal of Innovative Research in Engineering Science and Technology, ISSN 2320 – 981X, special issues, March 2016. (Ind)
7. R. Saranya, V. Sharmilaand **P. Balamurugan**,”An Efficient Document Clustering Based on HUBNESS Proportional K-Means Algorithm” South Asian Journal of Engineering and Technology, ISSN 2454-9614, Vol 02, Issues 17, 2016. (Ind)
8. V.Sharmila **P.Balamurugan** V.Vennila and S.Savitha,” An Incorporated Precaution Result for Data Circulation in WSN” International Journal of Innovative Research in Engineering Science and Technology, ISSN 2320 – 981X, special issues, March 2016. (Ind)
9. **P.Balamurugan** and V.Sharmila **,”**Integration of Similarity Measure for Text Processing with Hubness Relationship for Document Clustering**”** International Journal of Innovative Research in Engineering Science and Technology, ISSN 2320 – 981X, special issues, March 2016. (Ind)
10. **P.Balamurugan,** T.Janaranjani and V.Sharmila **,”**Survey **o**n Detecting the Attacks in Wireless Sensor Networks**”** international journal of international journal of modern trends in engineering and research, ISSN 2349-9745, Vol 02, Issues 09, 2015.(Ind)
11. **P.Balamurugan** and D.Jaishankar,”Low Power and Test Data Compression Using New Encoding Scheme”, International journal of engineering and Technology, ISSN 2395-0072,**Scopus**,Volume 2, Special Issue ,2015.(Ind)
12. **P.Balamurugan, “**Enhance the network lifetime by solving tie nodes in wireless sensor networks**”,** International journal of advances in engineering, ISSN 2394-9279, Volume 1, Issue 3.pp.286-293,2015. (Ind)
13. **P.Balamurugan, “**Matching theDocument using Concept Based Mining Model in Classification Techniques**”,** International journal of science and applications, ISSN 2395-0498, Volume 1, Issue 3.pp.70-74,2015.(Ind)
14. **P.Balamurugan, “**Fast Matrix Embedding by Matrix Extending used Steganographic Schemes**”,** International journal of advances in engineering, ISSN 2394-9279, Volume 1, Issue 2.pp.60-65,2015. (Ind)
15. **P.Balamurugan, “**Geometric Designs for Energy and Delay Computing for Data Gathering in Wireless Sensor Networks**”,** journal of current computer science and technology, ISSN 2231-5411, Volume 5, No5.pp.31-38,2015. (Ind)
16. **P.Balamurugan,** P.Priyadharshini and V.Sharmila **,”**Optimized energy efficient and target tracking techniques in wireless sensor netwoks**”** international journal of mobile and adhoc network ISSN 2231-6826, Vol 5, Issues 5, 2015. (Ind)
17. **P.Balamurugan,** V. Sharmila, G.ThokapiaArasu and A.Mummoorthy.,”Fuzzy Based Co-Cluster Algorithm for Text Clustering”, International journal of engineering technology science and research, ISSN 2394-3386,Vol.2,Issue 1, 2015. (Ind)
18. M.Krishnamoorthy**, P.Balamurugan** and V.Sharmila,” Document clustering using enhanced similarity measurement for text processing” international journal for scientific research and development, ISSN 2321-0613, Vol.2,Issues 15,pp.280-286,2015. (Ind)
19. **P.Balamurugan,** V. Sharmila and A.Mummoorthy.,” A New Approach for Gathering Data and Increase the Network Lifetime in Wireless Sensor Networks”, International Journal of Advanced Research in Information and Communication Engineering, ISSN 2321-8762, VOL. 2, Issue 11, November 2014. (Ind)
20. S Sasikala and **P.Balamurugan**, “A Multimodal Approach to Speaker Diarization using Tabu Search”, International Journal of Current Research, Vol. 6, Issue, 03, pp.5717-5720,2014. (Ind)
21. S Sasikala and **P.Balamurugan**, “A Survey on Speaker Diarization Approach for Audio and Video Content Retrieval”, International Journal of Research and Computational Technology,ISSN 0975-5662, Vol.5 Issue.4,2013. (Ind)
22. M. Govindarajan and **P.Balamurugan**,”An intercluster-chaining protocols with neighbour node for energy efficient data collection in wireless sensor networks” International journal of advanced research in computer engineering and technology ISSN 2278-1323, Vol 2, Issues 3, PP.639-646, 2013. (Ind)
23. **P.Balamurugan,** K.Karthik and R.Keerthana,”Defences against large scale online password guessing by using persuasive cued click points ” international journal of computer science and mobile computing, ISSN 2320-088X, Vol.2, Issue 4,pp.211-216, 2013. (Ind)
24. **P.Balamurugan** and Dr.K.Duraiswamy,” Chain Based Energy Proficient Data Gathering Protocol for Wireless Sensor Network”, **International journal of Computer Science and Technology,** ISSN 2229-4333 Vol.2 No.3, PP.95-99, 2011. (Ind)
25. **P.Balamurugan** and Dr.K.Duraiswamy,” Data Diffusion and Gathering in Wireless Sensor Networks*”,*[Journal of Global Research in Computer Science](http://www.google.co.in/url?sa=t&source=web&cd=1&ved=0CBcQFjAA&url=http%3A%2F%2Fwww.jgrcs.info%2F&rct=j&q=JGRCS%20&ei=bXwlTrE1zeitB7SGnKUJ&usg=AFQjCNFO5mhcbdTkfFCxiqIUOOCG_8_TTA&sig2=srJvRuKZ5AvMfO2FEgxsDQ&cad=rja)(JGRCS)ISSN 2229-371X. Vol.2 No.7, PP.42-46, 2011.
26. **P.Balamurugan** and Dr.K.Duraiswamy,” Literature Review for Data Gathering in Wireless Sensor Networks”,International Journal of Advanced Research in Computer Science (IJARCS)ISSN 0976-5697. Vol.2 No.4, PP.568-571, 2011. (Ind)

**International Conferences**

1. R.Dhayanithi and **P.Balamurugan**, “Implementation of Effective Test Automation with Instrumented Customer Experience Data”, International Conference on Informatics Computing in Engineering Systems (ICICES) 978-1-5386-2591-0/18/$31.00 ©2018 IEEE, April 2018.
2. **P.Balamurugan** and M. ShyamalaDevi, “An energy minimizing score based optimal data gathering in wireless sensor networks”, International conference on advancements in science, engineering and technology (ICASET),Erode,28thMarch 2018.
3. M. Shyamala Devi and **P.Balamurugan** “Local energy match based non-sub sampled contourlet transform for multi model medical image fusion”,International conference on advancements in science, engineering and technology (ICASET), Erode,28thMarch 2018.
4. S. Tamilselvan and **P.Balamurugan** “A survey on big data and hadoop”,International conference on advancements in science, engineering and technology (ICASET), Erode,28thMarch 2018.
5. Acted as **Chairperson** for international conference on advanced in electrical, electronics and computational intelligence conducted by K.S.R.College of Engineering, Tiruchengode on 22nd February, 2016.
6. Presented international conference on green, intelligent computing and communication systems conducted by Hindusthan College of Engineering, Coimbatore on March 10-11, 2016.
7. Presented international conference on electrical electronics information and computational applications conducted bySelvam College of Technology, Namakkal on March 2-3, 2016.
8. Presented international conference on emerging trends in science, engineering and technology conducted by Nandha College of Technology, Erode on March 4-5, 2016.
9. S Sasikala and **P.Balamurugan**,“SVM Classification based Multimodal Approach to Speaker diarization on TV Talk-Shows”,International Conference on Computing, Communication and Electrical Technologies (ICCCET), Vivekananda Institute of Engineering and Technology for Women, Tiruchengode, Tamilnadu, April 2014.
10. M.Govindarajan and **P.Balamurugan**,”Rendezvous Based cluster-chaining routing protocols for increasing throughput in wireless sensor networks” 2nd international conference on Innovative Research in Engineering and Technology”, Park Engineering and Technology, Coimbatore, 2013.
11. **P.Balamurugan** and Dr.K.Duraiswamy.,” Reliable data gathering algorithm for wireless sensor networks”,( ICACT2011), May 20th ,2011.
12. **P.Balamurugan** and Dr.K.Duraiswamy.,” Extending lifetime of wireless sensor networks”, International Conference on advances in engineering and technology ( ICAET-2011),Hindustan University, Coimbatore, Tamilnadu, May 27th and28th , 2011.

**National Conferences**

1. **P.Balamurugan** and M. Shyamala Devi,“ Assorting diabetic retinopathy through integration of wavelet transform and connected component analysis for automatic detection of retinal lesions”,National conference on emerging computing technologies and applications,Vel Tech RangarajanDr.Sagunthal R & D Institute of Science and technology, Chennai, 5 and 6th April, 2018.
2. **P.Balamurugan** and M. ShyamalaDevi,“Persistent cancer ailment tracker on citrus leaves using K-means clustering”,National conference on emerging computing technologies and applications,Vel Tech RangarajanDr.Sagunthal R & D Institute of Science and Technology, Chennai, 5 and 6th April, 2018.
3. Presented paper in National level conference on Emerging Trends in Engineering and Technology held at Nandha College of Technology, Erode, March 17th, 2017.
4. G.Geethanjali**, P.Balamurugan** and V.Sharmila,”Relevance based feature subset selection method for high dimensional data using Kruskal’s algorithm” proceeding of national conference on big data and cloud computing (NCBDC’15), March, 2015.
5. Presented National level conference on Emerging Trends in Information and Computer Science conducted by M.P.NachimuthuM.Jaganathan Engineering College, Erode on March 24th, 2015.
6. P.Balamurugan and Dr.K.Duraiswamy.,” Chain based Energy efficient data gathering protocol for wireless sensor networks”, National Conference on extreme engineering and technological advancements, Jayam College of Engineering and Technology, Dharmapuri, Tamilnadu, April 30, 2011.
7. P.Balamurugan and Dr.K.Duraiswamy.,”Intuition of Wireless Sensor Networks”, National Conference on Recent Trends in Advanced Computing, October 6th , 2010.
8. **P.Balamurugan,** R.Johny Elton and Dr.R.S.Rajesh, ”face recognition using objects features ” proceedings of national conference on knowledge management and data mining,PSNA College of Engineering and Technology, Dindigul, Tamilnadu ,pp.162-167,april 2006.
9. P.Balamurugan, C.DeepaSenthil Kumar and Dr.R.S.Rajesh, ”Active Distributed Network Monitoring Based On Mobile Agents ” proceedings of national conference on knowledge management and data mining, PSNA College of Engineering and Technology, Dindigul, Tamilnadu ,pp.156-161,April 2006.

FDP/Workshop/Seminar/Hands on Training Programme Organized

1. The two days hands on training programmeinWired and Wireless Protocol Designusing NS2on 12th and 13thSep 2014 at K.S.R.College of Engineering,Tiruchengode.

2. Conducted the hands on training programme in Cloud computing using Microsoft azure on 07.03.2015 in K.S.R. College of Engineering, Tiruchengode.

3. Conducted the one day programme on Android Apps Development on 29.09.2015 in K.S.R. College of Engineering, Tiruchengode.

4. Conducted the one day seminar on Recent Trends in IT Industry held on 17.04.2017 at K.S.R.College of Engineering, Tiruchengode.

Short Term Training Programme Attended

1. Faculty development Training programme on Secure Systems Engineering at IIT Madras, India from 5th to 14th December 2017.
2. Faculty development Training programme on Programming and Data Structures-I at DhirajlalGanthi College of Technology, Salem from 4th to 10th December 2015.
3. ISTE workshop on Database Management Systems conducted by Indian Institute of Technology Bambay, from 21st to 31stJune, 2013.
4. FDP on Emerging Trends in IT & Wireless Network, S.N.S. College of Technology, Coimbatore, from 24th to 28thFebruary, 2009.
5. Workshop on **Mission10x** at K.S.R. College of Engineering, Tiruchengode, from 13th to 17th September, 2011.
6. FPD on **Software Engineering**, in Sona College of Technology, Salem, from 4th to 16th December, 2007.

Resource Person and Guest Lectures

1. External panel member for **Wireless Sensor Networks** at CHRIST UNIVERSITY, Bangalore, August 2014.
2. AICTE sponsored programme titled on Applications of Wireless Sensor Networks and Consumer Electronics, in K.S.R. College of Engineering, Tiruchengode, July 2013.
3. Anna University FDP programme titled on Theory of Computation, in K.S.R. College of Engineering,Tiruchengode, Tamilnadu, 9th June 2015.
4. Attended as expert committee member for walk in interview at Shreenivasa Engineering College, Bommidi, Salem, on 28thjune 2015.
5. Guest lecture titled on Computer Networks, at Faculty of Engineering and Technology, Meenakshi University, Chennai, 17th April 2016.
6. Guest lecture titled on Theory of Computation, at Nandha College of Technology, Erode, 10th September 2016.
7. Guest lecture titled on Computer Networks, at Nandha College of Technology, Erode, 10th April 2016.
8. Guest lecture titled on Database Management Systems, at Faculty of Engineering and Technology, Meenakshi University, Chennai, 9th September 2016.
9. Anna University FDP programme titled on Risk Management in Software Engineering, in M.P.NachimuthuM.Jaganathan EngineeringCollege, Erode, November 2016.
10. Anna University FDP programme titled on “IT6007- Free and Open Source Software”, in K.S.R. College of Engineering,Tiruchengode, December 2016.
11. Guest lecture titled on Design Analysis of Algorithms, in K.S.R. College of Engineering,Tiruchengode, Tamilnadu, 10th January 2018.
12. Guest lecture titled on Computer Networks, in K.S.R. College of Engineering,Tiruchengode, Tamilnadu, 19th April 2018.

Proposal applied to various funding agencies

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| --- | --- | --- | --- | --- |
| **S.No.** | **Title of the Proposal** | **Funding Agency Details** | **Date & Duration** | **Status** |
| 1 | Big Data and Cloud Computing Challenges | Indian Council of Social Science Research | 08.01.2016 and 09.01.2016 | Applied |
| 2 | Cloud Computing using Microsoft Azure | Defense Research and Development Organization | 3rd and 4th December 2015 | Applied |
| 3 | Recent Issues in Ethical Hacking and Information Security | Council for Scientific and Industrial Research (CSIR) | 20.11.2015 and 21.11.2015 | Applied |
| 4 | Recent issues in social network mining and sentiment analysis | Council for Scientific and Industrial Research (CSIR) | 20.11.2014 and 21.11.2014 | Applied |
| 5 | e-health project in india to monitor medical drug preservation with waspmote | ISTE-SRM | 12.05.2014 to 18.05.2014 | Applied |

Awards & Honors Received

* **Award forInteraction with outside World** (Department Level) for 2016-2017 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Publication of More Research Papers (**Department Level**)** for 2014-2016 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Achieving More Number of Completed Consultancy Work** (Department Level) for 2014-2016 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Filling more Number of Intellectual Property Rights Applications** (Department Level)for 2014-2016 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Securing the Highest Funded Consultancy Work** (Department Level) for 2014-2016 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Achieving More Number of Completed Consultancy Work** (Department Level) for 2014-2016 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Publication of More Research Papers** (Department Level) for 2011-2015 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Submission of More Research Papers**(Department Level) for 2011-2015 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Award for Publication of Highest Indexed Journal** (Department Level) for 2014-2016 at K. S. R. College of Engineering (Autonomous), Tiruchengode.
* **Honored** from K. S. R. College of Engineering (Autonomous), Tiruchengode, for producing **100%** results in Anna University, Chennai.

**Accreditation Programme ( NBA, ABET and CSI)**

1. **51st Annual Convention “Digital connectivity- Social Impact”** conducted by Computer Society of India (CSI), India, January 2017 at Coimbatore.
2. **ABET** Accreditation and Programme Assessment Workshop conducted by Association with IEEE Education Society, India Council, 2015 at Chennai.
3. **NBA** Awareness Programme conducted by National Board of Accreditation and Anna University, 2015, Chennai.

**Current Academic In-Chagre:**

1. **Mentor Coordinator** at Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai, Tamilnadu. Period from July 2017-Till date.
2. **Project Coordinator** at Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai, Tamilnadu. Period from May 2018-Till date.
3. **Academic Counsel Member (ACM)** at Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai, Tamilnadu. Period from July 2017-Till date.
4. **BOS Member**: Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai, Tamilnadu. Period from July 2017-Till date.
5. **Research Domain In-charge** from December, 2017, Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai.
6. **Course Coordinator for Computer Networks** for 2018-2019 (Odd semester)Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai.
7. **Internal Auditor:** Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai.

**Academic In-Charge Held:**

1. **Lab in-charge:** Programming lab, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai. Period from july 2017- June 2018.
2. **Overall Deputy Warden**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from June 2007-June 2017.
3. **Yoga Coordinator**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from June 2010-June 2012.
4. **Department Exam Coordinator**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from May 2012-June 2014.
5. **FDP Member**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from May 2012-June 2013.
6. **BOS Member**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from June 2013-June 2017.
7. **ISO internal Auditor**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from January 2013-June 2017.
8. **Inspection Committee Member** (Autonomous, Anna University,AICTE..): K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from January 2015-June 2017.
9. **NBA Coordinator**: K.S.R.College of Engineering, Tiruchengode, Tamilnadu. Period from July 2015-June 2017.
10. **Academic Coordinator, ISO Coordinator and Class Committee Chair Person:** Department of Computer Science and Engineering, K.S.R.College of Engineering, Tiruchengode, Tamilnadu.

Membership in Academic Bodies

* Examiner for Bharathiyar University Ph.D Viva Voce
* Examiner for Anna University Ph.D Viva Voce.
* Doctoral committee member Various Universities.
* Panel member at CHRIST UNIVERSITY, Bangalore.
* Interview panel member in various engineering colleges.
* Reviewer in various journals.

**Membership in Professional Bodies**

* Institute of Electrical and Electronics Engineers-IEEE (Membership No: 94971781)
* Indian Society for Technical Education-ISTE (Membership No: LM74407).
* Association for Computing Machinery-ACM (Membership No: 9902207).
* Computer Science Teacher Association –CSTA (Membership No. 54904378).
* International Association of Engineers- IAENG.
* South Asia institute of Science and Engineering- SAISE (Membership No 20180718001)

**References:**

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