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Present Position

Professor, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai from November-2013.

Previous Positions

- > Associate professor, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai during October-2010 and November-2013.
- > Lecturer SI.Grade, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai during October-2007 and October-2010.
- > Lecturer Sr. Grade, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai during October-2002 and October-2007.
- > Lecturer, Department of Instrumentation Engineering, Madras Institute of Technology, Anna University, Chennai during April-1999 and October-2002.

Previous Additional Responsibility

- > Chief Superintendent (p G Full Time), Department of Instrumentation Engineering, Anna University, Chennai during April-2016 and May-2016.
- > Deputy Controller Of Examination, , Anna University, Chennai during July-2011 and November-2014.
- > Chief Superintendent (p G Full Time), Department of Instrumentation Engineering, Anna University, Chennai during April-2010 and May-2010.
- > Student Counsellor Nri/ciwgc/fn, Department of Instrumentation Engineering, Anna University, Chennai during June-2009 and May-2010.
- > Additional Chief Superintendent (ug Full Time), , Anna University, Chennai during April-2008 and May-2008.
- > Treasurer, MIT Student Co-operative Store, Anna University, Chennai during July-2000 and October-2007.
- > , , Anna University, Chennai.

Other Employment

- > Lecturer, REC Trichy for 1 year.

Degree

- ❖ M.E. in Measurement And Instrumentation Engg , University of Roorkee (1995 - 1997).
- ❖ B.E. in ELECTRONICS AND INSTRUMENTATION ENGG , , Annamalai University (1987 - 1991).

Research Degree

- ❖ Ph.D. in Fault Diagnosis from Faculty of Electrical, Anna University - 0).
Title: FAULT IDENTIFICATION AND ANALYSIS USING AI TECHNIQUES FOR THREE-TANK SYSTEM AND DEAERATOR.

Area of Specialisation

- > Fault Diagnosis
- > Bio signal Processing

Membership in Professional Organization

- > LM ISOI
- > LM ISTE
- > ISA

Research Guidance

Number of Ph.D Scholars Guided	: 5
Number of Ph.D Scholars Guiding	: 6
Number of M.E./ M.Tech. Projects Guided	: 26
Number of M.E./ M.Tech. Projects Guiding	: 1
Number of Ph.D Scholars Guided as Joint-Supervisor	: 1

Papers Published in Journals

Research Papers Published in International Journals	: 34
Research Papers Published in National Journals	: 4

1. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan, " Identification and Fault Simulation in Deaerator", AMSE Journal Advances in Modelling, Automatic Control (theory and applications), Vol. 61, Issue 3, pp. 47-58 (2006).
2. S.Srinivasan, P.Kanagasabapathy, K.Chitra, R.Pugazhendi, N.Selvaganesan, " Fault Simulation and Fuzzy Controller for High Pressure Heater in Thermal Power Plant", Journal Elekrika, Vol. 8, Issue 2, pp. 5-12 (2006).
3. N.Selvaganesan, D.Raja and S.Srinivasan, " Fuzzy Based Fault Detection and Control for 6/4 Switched Reluctance Motor", Iranian Journal of Fuzzy Systems, Vol. 4, Issue 1, pp. 37-51 (2007).
4. S.Srinivasan, P.Kanagasabapathy and N.Selvaganesan, " Fault Diagnosis in Deaerator using Fuzzy Logic", AEEE, Slovakia, Vol. 6, Issue 1, pp. 19-25 (2007).
5. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan, " Fault diagnosis in deaerator using neural networks", Iranian Journal of Electrical and Computer Engineering, Vol. 6, Issue 1, pp. 1-6 (2007).
6. Ebenezer Priya, S.Srinivasan, S.Ramakrishnan, S. Krishnan, Tania S. Douglas, "Segmentation of Bacilli in Sputum Smear Images Using Ant Colony Based Hybrid Method", Journal of Instrumentation Society of India, Vol. 4, Issue 3, pp. 225-228 (2010).
7. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan, " Fault identification and analysis using artificial intelligence techniques for three-tank system", International Journal Automation and Control, Vol. 4, Issue 1, pp. 84-101 (2010).
8. K. Kamalanand and S. Srinivasan, " Modelling and analysis of normal and atherosclerotic blood vessel mechanics using 3d finite element models", ICTACT Journal on Soft Computing, Vol. 2, Issue 1, pp. 261-264 (2012).
9. K. Kamalanand and S. Srinivasan, "Modeling of Normal and Atherosclerotic Blood Vessels using Finite Element Methods and Artificial Neural Networks", World Academy of Science, Engineering and Technology, Vol. 60, Issue 12, pp. 1314-1317 (2012).
10. A.Mythili, C.M.Sujatha and S.Srinivasan, "Prediction of Spirometric Forced Expiratory Volume Using Multiple ANFIS and Complex ANFIS", Journal of Instrumentation Society of India, Vol. 43, Issue 4, pp. 257 - 260 (2013).
11. E.Priya, S.Srinivasan, " Automated Decision Support System for Tuberculosis Digital Images Using Evolutionary Learning Machines", European Journal for Biomedical Informatics, Special Topic on Applications of Computational Techniques in Infectious Diseases and Clinical Research, published by EuroMISE s.r.o.. Vol. 9, Issue 2, pp. 3-8 (2013).
12. H.Prasanna Kumar, S.Srinivasan, "Despeckling of Polycystic Ovary Ultrasound Images by Improved Total Variation Method", International Journal of Engineering and Technology, Vol. 6, Issue 4, pp. 1877 - 1884 (2014).
13. E.Priya, S.Srinivasan and S.Ramakrishnan, "Retrospective Non-Uniform Illumination Correction Techniques in Images of Tuberculosis", Journal of Microscopy and Microanalysis, Vol. 20, Issue 5, pp. 1382 - 1391 (2014).

14. A.V.Nageswararao and S.Srinivasan, " Fast automatic segmentation of short axis cardiac MRI images using hybrid method", Advances in Natural and Applied Sciences, Vol. 8, Issue 22, pp. 35-42 (2014).
15. H.Prasanna Kumar and S.Srinivasan, "Classification of Ovary Abnormality Using the Probabilistic Neural Network ", Technology and Health Care, Vol. 22, Issue 6, pp. 857-865 (2014).
16. A.Mythili, S.Srinivasan, C.M.Sujatha, G.Kavitha and S.Ramakrishnan, "Analysis of restrictive pulmonary function abnormality using spirometric investigations and QPSO feature selection", International Journal of Biomedical Engineering and Technology, Vol. 16, Issue 3, pp. 195-208 (2014).
17. N. Lavanya, G. Anand and S. Srinivasan, "Fuzzy Inference Based Leak Estimation In Water Pipelines System", ICTACT Journal On Soft Computing: Special Issue On Soft – Computing Theory, Application and Implications in Engineering and Technology, Vol. 5, Issue 2, pp. 879-888 (2015).
18. E.Priya, S.Srinivasan, "Automated Identification of Tuberculosis Objects in Digital Images Using Neural Network and Neuro Fuzzy Inference Systems", Journal of Medical Imaging and Health Informatics , Vol. 5, Issue 3, pp. 1-7 (2015).
19. E.Priya, S.Srinivasan, " Separation of Overlapping Bacilli in Microscopic Digital TB Images", Biocybernetics and Biomedical Engineering, Vol. 35, Issue 2, pp. 87-99 (2015).
20. H.Prasanna Kumar and S.Srinivasan, " Fast Automatic Segmentation of Polycystic Ovary in Ultrasound Images Using Improved Chan-Vase with Split-Bregman Optimization", Journal of Medical Imaging and Health Informatics, published by American Scientific Publisher. Vol. 5, Issue 1, pp. 57-62 (2015).
21. E. Priya and S. Srinivasan, "Validation of Non-uniform Illumination Correction Techniques in Microscopic Digital TB Images Using Image Sharpness Measures", International Journal of Infectious Diseases, Vol. 45, pp. 406 (2016).
22. Ebenezer Priya and S.Srinivasan, " Automated object and image level classification of TB images using support vector neural network classifier", Biocybernetics and Biomedical Engineering, published by Elsevier Publication. Vol. 36, Issue 4, pp. 670 - 678 (2016).
23. E. Priya and S. Srinivasan, "Analysis of Tuberculosis Images Using Differential Evolutionary Extreme Learning Machines (DE-ELM)", Book titled Deep Learning for Image Processing Applications, published by IOS Press. Vol. 31, pp. 111-136 (2017).
24. Hombalaih Prasanna Kumar, Subramanian Srinivasan and Manjunath Byrareddy, "Analysis of Follicle Wall of Normal and Polycystic Ovaries", Journal of Advanced Medical Sciences and Applied Technologies, published by Shiraz University of Medical Sciences. Vol. 3, Issue 2, pp. 69-76 (2017).
25. Nageswararao A.V, Srinivasan S and Babu Peter S, " Automatic hybrid ventricular segmentation of short-axis cardiac MRI images", Biomedical Research, published by Allied Academies. Vol. 28, Issue 13, pp. 5816-5824 (2017).

26. C. Suresh Kumar, V. Arumugam, R. Sengottuvelusamy, S. Srinivasan and H.N. Dhakal, "Failure strength prediction of glass/epoxy composite laminates from acoustic emission parameters using artificial neural network", *Applied Acoustics*, published by Elsevier Publication. Vol. 115, pp. 32-41 (2017).
27. AV Nageswararao, S Peter Babu, S Srinivasan, " Segmentation of Short Axis CMR Images Using Hybrid Method", *Current Medical Imaging Reviews*, Vol. 14, Issue 3, pp. 461-467 (2018).
28. A.V. Nageswararao and S.Srinivasan, "Multifractal Based Ventricular Abnormality Detection In Cmr Images", *International Journal of Pure and Applied Mathematics*, Vol. 120, Issue 6, pp. 4477-4492 (2018).
29. A.V. Nageswararao, S. Srinivasan and E. Priya, "Inhomogeneity correction and hybrid-based segmentation in cardiac MRI", *Int. J. Biomedical Engineering and Technology*, Vol. 28, Issue 4, pp. 349-365 (2018).
30. Anitha Kumari Sivathanu, Srinivasan Subramanian and Pugazhendi Ramalingam, " Detection of Ash Fouling in Thermal Power Plant", *National Academy Science Letters*, Vol. 41, Issue 6, pp. 369-373 (2018).
31. Anitha Kumari Sivathanu and Srinivasan Subramanian, " Extended Kalman filter for fouling detection in thermal power plant reheater", *Control Engineering Practice*, published by Elsevier Ltd. Vol. 73, pp. 91-99 (2018).
32. Ebenezer Priya and Srinivasan Subramanian, " Automated Method of Analysing Sputum Smear Tuberculosis Images Using Multifractal Approach", Book titled *Biomedical Signal and Image Processing in Patient Care* Chapter 10, published by IGI Global, USA. Vol. 1, Issue 10, pp. 184-216 (2018).
33. S. Anitha Kumari, S. Srinivasan, "Ash fouling monitoring and soot-blow optimization for reheater in thermal power plant", *Applied Thermal Engineering*, Vol. 149, pp. 62-72 (2019).
34. Suresh Kumar Chelliah, Pabitha Parameswaran, Sengottuvelusamy Ramasamy, Arumugam Vellayaraj and Srinivasan Subramanian, " Optimization of acoustic emission parameters to discriminate failure modes in glass-epoxy composite laminates using pattern recognition", *Structural Health Monitoring*, Vol. 18, Issue 4, pp. 1253-1267 (2019).
35. Nageswararao AV, Srinivasan S, " Left ventricular wall deformation of CMR images using statistical analysis", *Biomedical Research*, Vol. 30, Issue 4, pp. 546-552 (2019).
36. A Malarkodi, G Latha and S Srinivasan, " An Experimental Study of Passive Time Reversal Process for Underwater Acoustic Communication in Shallow Waters of the Bay of Bengal", *Journal of Coastal Research*, Coconut Creek, Florida, SI , Vol. 89, pp. 58-62 (2020).
37. A Malarkodi, G Latha and S Srinivasan, " Passive time reversal acoustics for horizontal shallow water acoustic communication to mitigate the effect of intersymbol interference", *Applied Acoustics*, Vol. 174, (2020).
38. A Malarkodi, G Latha and S Srinivasan, "Characterization of underwater acoustic communication channel", *Indian Journal of Geo Marine Sciences*, Vol. 49, Issue 8, pp. 1323-1329 (2020).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 34
Research Papers Presented in National Programmes : 17

1. S.Srinivasan, T.Thyagarajan, Najumnisa Jammal and B. Afzal Khan, "Mathematical modeling of ECG signals" presented in a National level conference on National Systems Conference, organised by Research Centre IMARAT, DRDO Hyderabad, India from 23-Jan-1998 to 24-Jan-1998.
2. S.Narayanan, S.Srinivasan, "Internal model control strategy for heat exchanger" presented in a National level conference on National Seminar on Instrumentation and Control, organised by College of Engineering, Andhra University, Visakhapatnam, India from 14-Feb-2002 to 16-Feb-2002.
3. A.Mahabuba, S.Srinivasan, B.Jaganathapandian, "Simulation of Eccentricity Fault and Stator Winding Failure in an Induction Motor" presented in a International level conference on International Conference on Emerging Technology, organised by Kalinga Institute of Industrial Technology, Bhubaneswar, Orissa, India from 19-Dec-2003 to 21-Dec-2003.
4. A.Mahabuba, S.Srinivasan, "Detection of Faults in Induction Motor by Investigating the Flux Linkages of the Stator Winding" presented in a International level conference on International Conference on Emerging Technology, organised by Kalinga Institute of Industrial Technology, Bhubaneswar, Orissa, India from 19-Dec-2003 to 21-Dec-2003.
5. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan, "Fault Diagnosis Using Supervised Neural Networks for the Deaerator" presented in a International level conference on International conference on Instrumentation, organised by Pune Institute of Engineering and Technology and Instrument Society of India, India from 19-Dec-2004 to 21-Dec-2004.
6. N.Selvaganesan, S.Srinivasan, K.Balaji and G.L.Narayanan, "PC Based Temperature Compensation for Reference Electrode in pH Measurement" presented in a International level conference on International conference on Instrumentation, organised by Pune Institute of Engineering and Technology and Instrument Society of India, India from 19-Dec-2004 to 21-Dec-2004.
7. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan, "Diagnosing Slow Varying Faults Using Kohonen Self Organizing Map for a Deaerator" presented in a International level conference on International Conference on Energy, Information Technology and Power sector, organised by IEE (UK), Kolkata Branch, India from 28-Jan-2005 to 29-Jan-2005.
8. V.Vijayan, S.Srinivasan, N.Selvaganesan, "Multivariable Control Design for a Three tank System" presented in a National level conference on National Conference on process Identification, Control and Diagnosis, organised by Madras Institute of Technology, India from 16-Dec-2005 to 17-Dec-2005.
9. N.Selvaganesan, D.Raja, S.Srinivasan, S.Renganathan, "Neural Control and Fault Diagnosis for 6/4 Switched Reluctance Motor" presented in a International level conference on IEEE International Conference on Industrial Technology, organised by IEEE Industrial Electronics Society, India from 15-Dec-2006 to 17-Dec-2006.

10. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan and V.Vijayan, "Neural Network Based Parameter Identification and Fault Diagnosis for a Deaerator" presented in a International level conference on International Conference on Instrumentation and Mechatronics, organised by University Technology, Malaysia, Malaysia from 28-May-2007 to 29-May-2007.
11. S.Srinivasan, P.Kanagasabapathy, N.Selvaganesan, "Neural Based Parameter Identification and Fault Diagnosis in a Three-Tank System" presented in a International level conference on International Conference on Computational Intelligence and Multimedia Applications, IEEE Computer Society, organised by Mepco Schlenk Engineering College, Sivakasi, India from 13-Dec-2007 to 15-Dec-2007.
12. M.Sathishkumar and S.Srinivasan, "Tuning the Structure and Parameters of a Neural Network Using Genetic Algorithm" presented in a National level conference on 5th National Conference on Electronics Control and Instrumentation, organised by St. Joseph's College of Engineering, India from 03-Mar-2008.
13. A.R.Jac Fredo, S.Ramakrishnan, Jaginth Chellia, S.Srinivasan, "Virtual Audiometer" presented in a International level conference on International Conference on Instrumentation, organised by Instrument Society of India, India from 21-Jan-2010 to 23-Jan-2010.
14. E.Priya, S.Srinivasan, S.Ramakrishnan, S. Krishnan, Tania S. Douglas, "Segmentation of Bacilli in Sputum Smear Images Using Ant Colony Optimization" presented in a International level conference on International Conference on Instrumentation, organised by Instrument Society of India and Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering, India from 21-Jan-2010 to 23-Jan-2010.
15. Ebenezer Priya, S.Srinivasan, S.Ramakrishnan, D.Manamalli, "Texture Based Identification and Classification of TB Objects in Digital Images" presented in a International level conference on 7th International Conference on Trends in Industrial Measurements and Automation, organised by CSIR – CEERI Chennai, India from 06-Jan-2011 to 08-Jan-2011.
16. E.Priya, S.Srinivasan and S.Ramakrishnan, "Differentiation of Digital TB Images Using Multi-Fractal Analysis" presented in a International level conference on IEEE, Canadian Conference on Electrical and Computer Engineering, Canada from 08-May-2011 to 11-May-2011.
17. K.Kamalanand, S.Srinivasan, and S.Ramakrishnan, "Analysis of Normal and Atherosclerotic Blood Vessels Using 2D Finite Element Models" presented in a International level conference on 5th Kuala Lumpur International Conference on Biomedical Engineering 2011, organised by University of Malaysia, Malaysia from 20-Jun-2011 to 23-Jun-2011.
18. A.Mythili, C.M.Sujatha and S.Srinivasan, "Analysis of Spirometric Pulmonary Function Data Using Particle Swam Optimization" presented in a International level conference on International Conference on Signal, Image and Video Processing, organised by IIT Patna, India from 13-Jan-2012 to 15-Jan-2012.
19. A.Mythili, C.M.Sujatha and S.Srinivasan, "Classification of Respiratory abnormalities using " presented in a International level conference on 4th Asian Conference on Intelligent Information and Database Systems, organised by National Kaohsiung University of Applied Sciences, Taiwan from 19-Mar-2012 to 21-Mar-2012.

20. "Differentiation of Digital TB Images Using Texture Analysis and RBF Classifier" presented in a International level conference on 49th Annual Rocky Mountain Bioengineering Symposium and 49th International ISA Biomedical Sciences Instrumentation Symposium, organised by Virginia Tech – Wake Forest School of Biomedical Engineering and Sciences Blacksburg, VA, USA, USA from 22-Mar-2012 to 24-Mar-2012.
21. "Prediction of Forced Expiratory Volume in Spirometric Pulmonary Function Test Using Adaptive Neuro Fuzzy Inference System" presented in a International level conference on 49th Annual Rocky Mountain Bioengineering Symposium and 49th International ISA Biomedical Sciences Instrumentation Symposium, organised by Virginia Tech – Wake Forest School of Biomedical Engineering and Sciences Blacksburg, VA, USA, USA from 22-Mar-2012 to 24-Mar-2012.
22. A.Mythili, C.M.Sujatha and S.Srinivasan,, "Pipeline detection using wavlet transform", National Conference on Control" presented in a National level conference on Instrumentation and Automation, organised by PSG College of Technology, India from 27-Apr-2012.
23. H Prasanna kumar, S.Srinivasan, "Performance Analysis of Filters for Speckle Reduction in Medical polycystic ovary Ultrasound Images" presented in a International level conference on 3rd International Conference on Computing Communication and Networking Technologies, organised by SNS College of Engineering, IEEE Computer Society, India from 26-Jul-2012 to 28-Jul-2012.
24. E.Priya, S.Srinivasan and Tania S. Douglas, "Comparison of Retrospective Nonuniform Illuminatio" presented in a International level conference on Proceedings of the International Conference on Biomedical System, organised by IIT Madras, India from 28-Nov-2012 to 01-Dec-2012.
25. E.Priya, S.Srinivasan and S.Ramakrishnan, "Classification of Tuberculosis Digital Images Usin" presented in a International level conference on 4th International Conference on Computational Collective Intelligence, organised by University of Information Technology, Vietnam, Vietnam from 28-Nov-2012 to 30-Nov-2012.
26. H Prasanna kumar and S.Srinivasan, "Despeckling of polycystic ovary ultrasound images Fuzzy filter" presented in a National level conference on 36th National System Conference, Recent Advancements in System Modelling and Applications, organised by Annamalai University, India from 06-Dec-2012 to 08-Dec-2012.
27. N.Lavanya, S.Srinivasan, "Leak Detection in Water Pipelines Using Spectral Analysis Method" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control, organised by MIT Campus, Anna University, India from 22-Mar-2013 to 23-Mar-2013.
28. G.Anand, S.Srinivasan, "Detection of Pipe Leak in A Water Transmission Line Using Kalman Filter" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control, organised by MIT Campus, Anna University, India from 22-Mar-2013 to 23-Mar-2013.
29. S.Sukanya , N.Varun Chowdary, S.Srinivasan, "Effect of Heart Rate on the Accuracy of Oscillometric Blood Pressure Measurement" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control, organised by MIT Campus, Anna University, India from 22-Mar-2013 to 23-Mar-2013.

30. "Prediction of Spirometric Forced Expiratory Volume Using Multiple ANFIS and Complex ANFIS" presented in a National level conference on National Symposium on Instrumentation , organised by B.V.B College of Engineering, Hubli, India from 24-Oct-2013 to 26-Oct-2013.
31. A.Mythili, C. M. Sujatha and S. Srinivasan, "ELM Based Classification and Analysis of Spirometric Pulmonary Function Data" presented in a International level conference on The 15th International Conference on Biomedical Engineering, Singapore from 04-Dec-2013 to 07-Dec-2013.
32. A.V.Nageswararao, S.Srinivasan, "A review on Automated Quantitative Analysis of Cardiac MRI Images" presented in a International level conference on Trends in Industrial Measurements and Automation , organised by MIT, Anna University, India from 22-Dec-2013 to 24-Dec-2013.
33. A.Mythili, C.M.Sujatha, S.Srinivasan and S.Ramakrishnan, "Prediction Of Peak Expiratory Flow Associated With Human Respiratory Mechanics Using Spirometric Investigations" presented in a National level conference on National Conference on Bio-Mechanical Science, organised by S'O'A University Bhubaneswar, India from 07-Mar-2014 to 08-Mar-2014.
34. A.Mythili, S.Srinivasan, C.M.Sujatha, S.Ramakrishnan, "Segmentation of Polycystic Ovary Ultrasound Images" presented in a International level conference on 2nd International Conference on Current Trends in Engineering and Technology, organised by Akshaya College of Engineering and Technology, India from 08-Jul-2014.
35. "Multifractal Based Segmentation and Analysis of Human Retinal Blood Vessels in Fundus Images" presented in a International level conference on 19th International Conference on Mechanics in Medicine and Biology, organised by Virtual Physiological Human Institute for Integrative Biomedical Research, Bologna (Italy) from 03-Sep-2014 to 05-Sep-2014.
36. "Analysis of Chronic Obstructive Pulmonary Disease Using Spirometric Investigations and Quantum Particle Swarm Optimization" presented in a International level conference on 19th International Conference on Mechanics in Medicine and Biology, organised by Virtual Physiological Human Institute for Integrative Biomedical Research, Bologna (Italy) from 03-Sep-2014 to 05-Sep-2014.
37. A.V.Nageswararao and S. Srinivasan, "Analysis of Ovary Echogenicity in Normal and PCOS Ultrasound Images" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control, organised by MIT Campus, Anna University, India from 13-Mar-2015 to 14-Mar-2015.
38. "Denoising of Cardiac MRI Images" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control, organised by MIT Campus, Anna University, India from 13-Mar-2015 to 14-Mar-2015.
39. A.V. Nageswararao, S. Srinivasan, "Computational modelling of LV for cardiac MRI images" presented in a National level conference on ICMR Sponsored National Conference on Advancements in Biomedical Engineering and Sciences , organised by SSN College of Engineering, India from 03-Mar-2016 to 04-Mar-2016.

40. A.Mythili, C.M.Sujatha and S.Srinivasan, and S. Ramakrishnan, "Evaluation of E.M.F drift from K-type thermocouples" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control (RTIC-2016), organised by Department of Instrumentation Engineering, MIT campus, India from 18-Mar-2016 to 19-Mar-2016.
41. S.Anitha Kumari, S.Srinivasan and R.Pugazhendi, "Multifractal Analysis based Segmentation of Short Axis CMRI Images" presented in a International level conference on 2nd International Conference on Biomedical Systems, Signals and Images, organised by IIT Madras, India from 24-Mar-2016 to 26-Mar-2016.
42. "Development of a Intermittent Pneumatic Compression Device for Lymphoedema Therapy using Arduino Prototyping Platform" presented in a International level conference on 2nd International Conference on Biomedical Systems, Signals and Images, organised by IIT Madras, India from 24-Mar-2016 to 26-Mar-2016.
43. "Detection of ash fouling in Thermal power plant" presented in a International level conference on International Conference on Mechanical, Materials and Manufacturing Systems , organised by Sri Sai Ram Engineering College, Chennai , India from 24-Mar-2016 to 25-Mar-2016.
44. S.Anitha Kumari and S.Srinivasan, "Estimation of Reheater Cleanliness Factor Based on Kalman Filtering Method in Neural Network Training" presented in a International level conference on 9th International Conference on Trends in industrial Measurements and Automation, TIMA- 2017, organised by Department of Instrumentation Engineering, MIT Campus, Anna University, Chennai, India from 06-Jan-2017 to 08-Jan-2017.
45. S.Anitha Kumari and S.Srinivasan, "A Framework on Automated Ventricular Analysis of CMR Images" presented in a International level conference on 9th International Conference on Trends in industrial Measurements and Automation, TIMA- 2017, organised by Department of Instrumentation Engineering, MIT Campus, Anna University, India from 06-Jan-2017 to 08-Jan-2017.
46. "NARX Models for Prediction of Reheater Fouling" presented in a International level conference on 23rd International Conference on Automation & Computing, organised by University of Huddersfield, UK from 07-Sep-2017 to 08-Sep-2017.
47. S.Anitha Kumari and S.Srinivasan, "Optimal Estimation based Tube leak Detection in a Thermal Power Plant Reheater" presented in a International level conference on IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI-2017), organised by Saveetha Engineering College, India from 21-Sep-2017 to 22-Sep-2017.
48. Vinothini S, S.Kumar and S.Srinivasan, "Kernel-based Regression Models for Prediction of Reheater Cleanliness Factor" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control (RTIC-2018), organised by Department of Instrumentation Engineering, MIT Campus, India from 02-Mar-2018 to 03-Mar-2018.
49. "Assessment of Thermocyclic Oxidation on Bare K-Type Thermocouple" presented in a National level conference on National Conference on Recent Trends in Instrumentation and Control (RTIC-2018), organised by Department of Instrumentation Engineering, MIT Campus, India from 02-Mar-2018 to 03-Mar-2018.

50. A Malarkodi, S Srinivasan and G Latha, "Computer-aided appraisalment of plantar foot health in Diabetic subjects using Infra-red thermograms" presented in a International level conference on 5th International Conference on Computing, Communication and Security (ICCCS), organised by IIT Patna, India from 14-Oct-2020 to 16-Oct-2020.
51. "Comparison of Passive Time Reversal communication technique with Extended Kalman Filter for estimation of Shallow water multipath communication channel" presented in a International level conference on 5th International Conference on Computing, Communication and Security (ICCCS), organised by IIT Patna, India from 14-Oct-2020 to 16-Oct-2020.

Current Sponsored Projects

1. "UGC-SAP-DRS-I Thrust Area 1. Intelligent Instrumentation and 2. Advanced Process Control ", funded by UGC (April-2016 - March-2021). Project Cost: 9900000.00.

Sponsored Projects Completed

1. "Investigations on the dynamic behavior of particulate system through experimental, numerical, simulation and imaging methods", funded by Indo-German DST – DAAD (April-2004 - March-2006). Project Cost: 303800.00.
2. "Development of Computing Tools for Decision Support in Health Assessment in Rural Areas", funded by DST Indo-South Africa Joint Project (June-2009 - March-2012). Project Cost: 390000.00.
3. "Drift Analysis and Compensation Techniques for Frequently Used Industrial Temperature Sensors", funded by UGC (July-2015 - June-2018). Project Cost: 997860.00.
4. "Establishment of a centre for calibration and testing of critical care medical equipment", funded by DST (January-2011 - March-2016). Project Cost: 29818000.00.

Programme Chaired

1. Chairman, International level conference titled "4th Asian Conference on Intelligent Information and Database Systems" conducted by National Kaohsiung University of Applied Sciences from 19-Mar-2012 to 21-Mar-2012.
2. Co Chairman, International level conference titled "9th International Conference on Trends in Industrial Measurements and Automation (TIMA-2017)" conducted by MIT Campus, Anna University from 06-Jan-2017 to 08-Jan-2017.
3. Co Chairman, International level conference titled "4th International Conference on Signal Processing, Communications and Networking (ICSCN'17)" conducted by Department of Electronics Engineering, MIT Campus, Anna University, Chrompet, Chennai from 16-Mar-2017 to 18-Mar-2017.

Programme Organized

1. Treasurer, National level conference on "Intelligent Measurement and Control" from 25-Feb-2000 to 26-Feb-2000.

2. Co-Cordinator, National level workshop on "Virtual Instrumentation" from 02-Mar-2007 to 03-Mar-2007.
3. Co-Cordinator, National level workshop on "Virtual Instrumentation" from 15-Oct-2007 to 17-Oct-2007.
4. Joint Treasurer, International level conference on "6th International Conference on Trends in Industrial Automation and Control" from 04-Jan-2009 to 06-Jan-2009.
5. Joint Secretary, International level conference on "7th International Conference on Trends in Industrial Automation and Control" from 06-Jan-2011 to 08-Jan-2011.
6. Cordinator, National level Short Course on "Industrial Instrumentation – II" from 28-May-2012 to 03-Jun-2012.
7. Treasurer, International level conference on "8th International Conference on Trends in Industrial Automation and Control" from 22-Dec-2013 to 24-Dec-2013.
8. Coordinator, National level conference on "Recent Trends in Instrumentation and Control RTIC-15" from 13-Mar-2015 to 14-Mar-2015.
9. Coordinator, National level workshop on "Trends in Intelligent Instrumentation" from 26-Aug-2016 to 27-Aug-2016.

Programme Attended

1. Participated in a National level workshop on "ISO 9001:2008" organized by MIT Campus, Anna University, India from 12-Mar-2013.
2. Attended a National level Short Course on "Quality Assurance and NBA Accreditation in Technical Institutions" organized by National Institute of Technical Teachers Training and Research, Chandigarh, India from 15-Jul-2013 to 19-Jul-2013.
3. Attended a National level Short Course on "Finite Element Analysis" organized by Department of Production Technology, MIT Campus, Anna University , India from 04-Dec-2014 to 10-Dec-2014.
4. Participated in a National level conference on "Recent Trends in Instrumentation & Control" organized by Department of Instrumentation Engineering, MIT campus, Anna University, India from 18-Mar-2016 to 19-Mar-2016.
5. Participated in a National level workshop on "An Overview of Medical Device Regulations" organized by IIT Madras, Chennai , India from 06-Apr-2017.
6. Participated in a National level conference on "Recent Trends in Instrumentation & Control (RTIC-2018)" organized by Department of Instrumentation Engineering, MIT campus, Anna University , India from 02-Mar-2018 to 03-Mar-2018.

Experience Abroad

1. Visited University of Wismar, Germany from 14-Oct-2004 to 09-Dec-2004. Purpose of visit :Indo-German DST- DAAD Joint Project.
2. Visited University of Cape Town, South Africa from 25-Aug-2011 to 03-Sep-2011. Purpose of visit :India-South Africa Joint Project.
3. Visited National Kaohsiung University of Applied Sciences, Kaohsiung, Taiwan from 19-Mar-2012 to 21-Mar-2012. Purpose of visit :International Conference Paper Presentation.

Invited Lectures

1. Delivered a Lecture on "Virtual Instrumentation" in STTP on Bio Instrumentation. organized by Department of Instrumentation Engineering, MIT Campus (24-Nov-2003).
2. Delivered a Lecture on "Unsupervised Neural networks" in STTP on Neural computing organized by Department of Computer Engineering, MIT Campus (25-Nov-2003).
3. Delivered a Lecture on "Mixing Processes" in FDTP on Process Control Engineering organized by Department of Instrumentation Engineering, MIT Campus (11-Dec-2006).
4. Delivered a Lecture on "Neuro Fuzzy Modelling" in FDTP on Neural Networks and Fuzzy Logic Control organized by Department of Electrical Engineering, CEG Campus, Anna University (23-Jun-2007).
5. Delivered a Lecture on "Evolutionary Programming" in FDTP on Applied Soft Computing organized by Department of Instrumentation Engineering, MIT Campus (16-Dec-2012).
6. Delivered a Lecture on "Introduction about Artificial Neural Networks" in Faculty Development Program on Intelligent Controllers organized by Department of Eletrical Engineering, CEG Campus, Anna University (19-Jun-2013).
7. Delivered a Lecture on "Soft computing techniques" in Faculty Development Programme organized by Jeppiaar Institute of Technology, Chennai (28-Apr-2015).
8. Delivered a Lecture on "Introduction to Sensors and its Characteristics" in Enginee and Vehicle Management Systems organized by Department of Automobile Engineering, MIT Campus, , Chennai (09-Jun-2015).
9. Delivered a Lecture on "Sensors in Automobile" in Enginee and Vehicle Management Systems organized by Department of Automobile Engineering, MIT Campus, , Chennai (10-Jun-2015).
10. Delivered a Lecture on "Introduction to Research-General Concepts & Research Methods in Biotechnology Advancements and Hospital Settings" in International Conference on Authentication of Scientific Research for Eminence-Translating Resear organized by Sree Balaji College of Nursing , Chennai (26-Jun-2015).
11. Delivered a Lecture on "Electrical Safety in Hospitals" in workshop on Critical Care & laboratory Medicine Equipments - Maintenance & Calibration organized by Stanley Medical College and Hospital, Chennai (04-Feb-2016).

12. Delivered a Lecture on "Medical Equipment Calibration" in workshop on Critical Care & laboratory Medicine Equipments - Maintenance & Calibration organized by Stanley Medical College and Hospital, Chennai (06-Feb-2016).
13. Delivered a Lecture on "Industrial Calibration" in the training for the CTS Engineers organized by Dept of Instrumentation Engineering, MIT campus, Chennai (15-Feb-2016).
14. Delivered a Lecture on "Fuzzy Logic Control for Inverted pendulum" in Faculty Development Programme on Applied Soft Computing organized by Department of Instrumentation Engineering, MIT Cam, Chennai (13-Jun-2016).
15. Delivered a Lecture on "Control Valve Sizing, Cavitation and Flashing" in Faculty Development Programme on Process Control organized by Department of Instrumentation Engineering, MIT Cam, Chennai (04-Dec-2017).
16. Delivered a Lecture on "Brief Introduction about Artificial Neural Network" in Faculty Development Programme on Applied Soft Computing organized by Department of Electrical Engineering, Anna Univers, Chennai (20-Jun-2018).