AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NAME & INITIALS	SELVAKUMARASAMY K
DESIGNATION	ASSISTANT PROFESSOR
EDUCATIONAL QUALIFICATION	M.E.
EXPERIENCE	17 YEARS
DATE OF JOINING	13.10.2010
EMAIL ID	selvakumarasamyk@gmail.com
AREA OF SPECIALISATION	Biomedical Signal and Image Processing

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
M.E.	APPLIED ELECTRONICS	MOHAMED SATHAK ENGINEEING COLLEGE	ANNA UNIVERSITY	2004
B.E.	ELECTRONICS ANC COMMUNICAITON ENGINEERING	MOHAMED SATHAK ENGINEEING COLLEGE	MADURAI KAMARAJ UNIVERSITY	2000

PROFESSIONAL MEMBERSHIPS

IAENG MEMBERSHIP
IRED – ASSOCIATE MEMBER
IAOP – ASSOCIATE MEMBER

FDP ATTENDED

Faculty Development Programme on "Hands on Training & Application program in MEDTECH" organized by HTIC, IITM Research park, Chennai from 14th & 15th September, 2018

AICTE Sponsored Short Term Training Programme on "Biomedical Diagnostics, Therapeutics And Rehabilitation" conducted by Departments of Applied Mechanics, Indian Institute of Technology, Madras on 16th to 20th December, 2015

AICTE Sponsored Short term training programme on "Biomedical Systems, Signals And Images" conducted by Departments of Applied Mechanics, Indian Institute of Technology, Madras on 21st to 25th November, 2011

WORKSHOPS ATTENDED

Workshop on "Artificial Intelligence and Deep Learning", organized by• leadingIndia.ai along with Bennett university, Delhi from 21st to 23rd June 2018

Hands – on Training Programme on "Soft Computing Using MATLAB"• conducted by Department of Computer technology, MIT Campus, Anna University, Chennai on 9 th to 11th October, 2015

Workshop on "Nonlinear Digital Filters" conducted at National Institute of Electronics & Information Technology, Chennai from 17th & 18th October, 2013

Hands – on Training Programme on "Soft Computing Using MATLAB" conducted by Department of Computer technology, MIT Campus, Anna University, Chennai on 9 th to 11th October, 2015

Workshop on "Nonlinear Digital Filters" conducted at National Institute of Electronics & Information Technology, Chennai from 17th & 18th October, 2013

DBT Sponsored National seminar on "Advances In Biomedical Signal And Image Analysis Using Computational Intelligent Techniques" conducted by Kongu Engineering College, Perundurai, Erode from 3 rd & 4 th October, 2013

National level Author Workshop for "How To Write For And Get Published In Scientific Journals And Publish Manuscripts" " organized by Springer and Edanz along with Anna University, Chennai on 29th January, 2013

National level Technical Workshop for "Applications Of Wavelets In Life Science" organized by SSN college of Engineering on 13th to 15th December, 2012

PUBLICATION DETAILS

Selvakumarasamy K, Poornachandra S, Amutha R, "Performance Analysis of Wavelet Shrinkage Functions for ECG Signal Denoising", Taga Journal of Graphic Technology, Vol.14, pp. 3545 – 3554, 2018

Deepak Kumar Nayak, Sheik Aalam S, Murugan R, Selvakumarasamy K• and Nadheer Ahamed B, "Highly Efficient Naturally Clamped Bidirectional Pushpull DC/DC Converter", Journal of Electrical Engineering, Vol. 17, No.1, 2017

Selvakumarasamy K, Poornachandra S, Amutha R, "Subband Adaptive• Shrinkage Function using Fuzzy Logic", Biomedical and Pharmacology Journal, Vol. 8, No.1, pp. 445 – 451,

2015 Selvakumarasamy K, Murugan R, Rajeshkanna S, Deepak Kumar Nayak, "Image Denoising Algorithm using Particle Swarm Optimization",• International Journal of Applied Engineering Research, vol. 10 no.55, pp. 1091 – 1094, 2015

Deepak Kumar Nayak, Sheik Aalam S, Murugan R, Selvakumarasamy K and RamaReddy S, "Naturally Commutated Bidirectional Half-Bridge High Efficient DC/DC Converter for Biomedical Imaging Systems", Biomedical and Pharmacology Journal, Vol. 8, No.1, pp. 379 – 384, 2015

Deepak Kumar Nayak, Sheik Aalam S, Murugan R, Selvakumarasamy K and Nadheer Ahmed B, "Naturally Commutated Bidirectional Full-Bridge High Efficient DC/DC Converter", International Journal of Applied Engineering Research, Vol. 10 No.55, pp. 916-920,2015

Deepak Kumar Nayak, Sheik Aalam S, Murugan R, Selvakumarasamy K and Rama Reddy S, "Investigations on an Improved Soft Switched CLLL DC/DC Converter", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 16, pp. 6893 – 6899, 2015

SEMINARS ATTENDED

National Seminar on "Wavelet Applications in Image Processing using MATLAB" organized by Kongu Engineering College on 2nd & 3rd September, 2011

National Seminar on "Neural Networks" organized by SSN College of Engineering, Chennai on 20th August, 2011

National Seminar on "Acquisition, Processing and Optimization of Real Time Signals, Images and Videos" organized by Eswari Engineering College, Chennai on 9th & 11th May, 2011

Workshop on "Signal and Image Processing" organized by Saveetha Engineering College, Chennai on 30th April, 2011

CONFERENCE DETAILS
Selvakumarasamy K, "Denoising of Biological Signals using Wavelet and Optimization Method", International Intellectual Conference on Advances in Science and Engineering on 3rd and 4th March 2017 organized by Aalim Muhammed Salegh College of Engineering, Chennai, India.
Selvakumarasamy K, Shalini R, Unnimaya R and Zakira Begum I. "Performance Analysis of Non – Invasive Blood Glucose Measurement using X – band Microwave System, International Intellectual Conference on Advances in Science and Engineering on 3 rd and 4th March 2017 organized by Aalim Muhammed Salegh College of Engineering, Chennai, India.
Selvakumarasamy K, Md Rilwan, Md Rabik and Md Yasir, " An Optimum ECG Signal Denoising using Wavelet Neural Network, International Intellectual Conference on Advances in Science and Engineering on 3rd and 4th March 2017 organized by Aalim Muhammed Salegh College of Engineering, Chennai, India.
College of Engineering, Chennai, India. ⬜ Selvakumarasamy K, Poornachandra S and Amutha R, "ECG Signal Denoising using Hypertrim Shrinkage and Subband Adaptive Shrinkage Functions based on Fuzzy Thresholding – A Comparison" International Conference on electrical science on 9th and 10th March 2017, organized by SNS College of technology, Coimbatore, India.
Selvakumarasamy K, Poornachandra S and R. Amutha, "Wavelet Shrinkage Functions for ECG Signal Denoising" Proceedings of IEEE International Conference on Innovations, Embedded and Communication Systems on 17th and 18th March 2016 organized by Karpagam College of Engineering, Coimbatore, Tamilnadu, India.
Selvakumarasamy K, Poornachandra S, Amutha R, "Wavelet Shrinkage Functions for ECG Signal Denoising – An Empirical Study", Proceedings of International Conference on Recent Trends and Advancement in Information and Communication Engineering on 27th Mar 2015, pp. 283 – 292 organized by Nehru Institute of Technology, Coimbatore, India.
Selvakumarasamy K, Poornachandra S and Amutha R, "A Comparative Analysis of Various Wavelet Shrinkage Functions for ECG Signals" Proceedings of ICGCCEE on 7th & 8th March, 2014, organized by Dr.NGP Institute of Technology, Coimbatore, India. [published in IEEE Xplore [Digital Library – DOI: 10.1109/ICGCCEE.2014.6922471]
Selvakumarasamy K, "Performance Analysis of Biorthogonal Wavelets for Image compression" Proceedings of International Conference. on Electrical, Electronics and Computer Science on 14th April 2013, organized by IT Society of India, Chennai
Selvakumarasamy K, Poornachandra S, "Wavelet based Image Compression Methods – State of the Art" Proceedings of International Conference on Computing, Communication and Networking Technologies on 26th to 28th July 2012, organized by SNS College of Engineering, Coimbatore, India. [Published in IEEE Xplore Digital Library – DOI: 10.1109/ICCCNT.2012.6396077]