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Academic Background

Received B. Tech degree in Electrical & Electronics Engineering from University of Madras in 1999, M. E. in Applied Electronics from University of Madras in 2001 and Ph. D from S.V. University, Tirupathi, Andhra Pradesh, India in 2017. He has vast Teaching experience of 19 years.

➤ **Memberships in Professional bodies:**

- 1) Member of International Association of Engineers.
- 2) Member of International Engineering and Technology Institute.

Research Interests:

His area of interests includes Signal Processing and Artificial Intelligence in power Systems

Achievements:

RESEARCH PUBLICATIONS

Journals

- [1]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao, “Realization and Evaluation of Prony signal modeling”, published in International Journal of Enhanced Research in Science Technology and Engineering (IJERSTE), ISSN : 2319-7463, Vol:2 Issue:10, October 2013, pp. 78-84.

- [2]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao and K. Bramaramba, “Evaluation of Maximum Entropy method of Spectrum estimation”, published in Coimbatore Institute of Information Technology International Journal of Digital Signal Processing, ISSN: 0974-9705, Vol. 5, No.11, November 2013, DOI: DSP112013001, IF:0.385, pp. 374-379.
- [3]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao, "Estimating the Power Spectrum of a Wide Sense Stationary Random Process Using Parametric Approaches (AR, MA)", published in International Journal of Recent Advances in Engineering & Technology (IJRAET), ISSN(Online): 2347-2812, Volume-2, Issue:2, Feb.-2014, pp. 48-53.
- [4]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao, “Application of MUSIC Algorithm to Power Quality Analysis: Detecting Inter harmonic components”, published in Coimbatore Institute of Information Technology International Journal of Digital Signal Processing, ISSN: 0974-9705, Vol.6, No.5, June-July, 2014, DOI: DSP112013001, IF:0.385, pp. 137-140.
- [5]. **Mr.P. Sasi Kiran**, Dr.T. Gowri Manohar, Dr. S. Koteswara Rao, “Kalman Filter with Application to Electric Power Quality Analysis”, published in Coimbatore Institute of Information Technology International Journal of Digital Signal Processing, ISSN: 0974-9705, Vol.7, No.2, March, 2015, DOI: DSP032015001, IF:0.385, pp.31-35.
- [6]. **Mr.P. Sasi Kiran**, Dr.T. Gowri Manohar " A New Estimation Model to Control DVR For Mitigating Voltage Sags In Distribution Systems " published in, Research Journal of Applied Sciences, Engineering and Technology, 11(9): 934-949, 2015, DOI: 10.19026/rjaset.11.2133, ISSN: 2040-7459, e-ISSN: 2040-7467 © 2015 Maxwell Scientific Publication Corp.
- [7]. This article in press as **Sasi Kiran P**, Gowri Manohar T , UKF based Estimation Approach for DVR control to Compensate Voltage swell in Distribution Systems, Ain Shams Engineering Journal (2016), <http://dx.doi.org/10.1016/j.asej.2016.02.001> (ScienceDirect,Elsevier publication)
- [8]. **Mr. P. Sasi Kiran**, and Dr. T. Gowri Manohar " Adaptive UKF based Estimation strategy for controlling DVR to mitigate PQ problems “ communicated to international journal of electronics (IJE) (Thomas Reuters).--- PAPER UNDER REVIEW

- [9]. **Mr.P. Sasi Kiran**, G. Komala, Ch.R.S.D. Aneesh, S. Koteswara Rao" Electroencephalogram Signal Analysis Using Wavelet Transform and Statistical Signal Processing " published in, Jour of Adv Research in Dynamical & Control Systems, Vol. 9, No. 2, 2017, ISSN 1943-023X.
- [10]. **Dr.P. Sasi Kiran**, etal., " An efficient classification of flower images with convolutional neural networks" published in, International Journal of Engineering and Technology,Vol.7(1.1).2018, Pg:384-391. Website: www.sciencepubco.com/index.php/IJET.

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Conferences

- [11]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao, "Parametric spectral estimation methods for detection of power system harmonics" in proceedings of International Conference on Frontiers of Statistics and its Applications , Pondicherry, India, Dec. 21-23, 2012, ISBN 978-93-82338-78-9 pp.121-126.
- [12]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao, "Estimating the Power Spectrum of a Wide Sense Stationary Random Process Using Parametric Approaches (AR, MA)" in proceedings of International Conference on Information and Communication Technologies (ICICT 2014), 16th Feb, 2014, Coimbatore, India.
- [13]. **Mr. P. Sasi Kiran**, Dr. T. Gowri Manohar, Dr. S. Koteswara Rao, "Non-Parametric Spectral Estimation methods for detection of power system Harmonics", in Proceedings of the National Conference on Advanced Communication and Computer Technologies" (ACCT-2012), **IETE** (India), Visakhapatnam Centre, July 6-7, 2012, pp. 93-96.
- [14]. **Dr. P. Sasi Kiran**, Dr. P.V.V.Kishore, Ms Deekshita.A, "DVR for identification and mitigation of voltage sags using estimation technique in power distribution systems", in Proceedings of the 1st International Conference on smart computing and Informatics" (SCI-2017), **Springer (India)**, Visakhapatnam, March 3-4, 2017.
- [15]. **Dr. P. Sasi Kiran**, Dr. P.V.V.Kishore,etal., "Investigation of 3-D Relational Geometric Features for Kernel-Based 3-D Sign Language Recognition", paper is accepted for Presentation at ICISGT-2019 (2019 **IEEE International Conference** on Intelligent Systems and Green Technology) YSR Murthy