

Name: Mrs.S.SANGEETHA

### Personal Information

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Designation: Assistant Professor

Qualification: M.E in Power Systems

Experience: 11 Years

Specialization: Power Systems

Date of Joining: 01.7.2017

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### Achievements/Publications/Workshops/Seminar/Guest Lectures

#### **Publication**

##### 1. International Journals

1. P.Venkatakrisnan, **S.Sangeetha**, "Singularity detection in human EEG signal using Wavelet Leaders", Journal of Biomedical signal Processing and Control, Elsevier Publications, Vol.13, pp.282-294, 2014 (Impact factor is 1.680) (SCI Journal) (World Top 50 Signal processing Journal : Rank:31)
2. P.Venkatakrisnan , Sukanesh,R, **Sangeetha,S**, "Detection of Quadratic Phase Coupling from human EEG signal using Higher order statistics and spectra", Signal, Image and Video Processing, Vol.5, No.2 pp. 217-229, Springer Verlag, London Limited 2011. (Impact factor is 0.617) (SCI Journal) (World Top 50 Signal processing Journal : Rank:47)

## International Conferences

1. Venkatakrisnan.P., Sukanesh,R, **Sangeetha,S**, Periyasamy.C, “Detection of Sleep spindles in human EEG signal using Complex wavelet Transform:, ICCCD’10, Proceedings of the International Conference on Communication and Computer Devices, pp.1-6, 2010. (IIT, Kharagapur)
2. P.Venkatakrisnan, **S.Sangeetha**, M.Sundar, “Measurement of Lipschitz Exponent (LE) using Wavelet Transform Modulus Maxmia (WTMM)”, ICET’12, Proceedings of the IEEE International Conference on Emerging Technology, NIT, West Bengal Durgapur, 2012 (NIT, Durgapur)
3. P.Venkatakrisnan, **S.Sangeetha**, K.Muthukumaran, “Performance analysis of life time efficiency of machines using Wavelet Transform Modulus Maxima”, ICET’12, Proceedings of the IEEE International Conference on Emerging Technology, NIT West Bengal Durgapur, 2012.(NIT, Durgapur)
4. P.Venkatakrisnan,**S.Sangeetha**, M.Sundar,P.Pavunraj, “Analysis of the life time efficiency of machines using wavelet transform modulus maxima: A Signal processing approach”, 3rd Asian Conference on Mechanics of Functional Materials and Structures, ACMFMS 2012, December 5-8, 2012 (IIT Delhi).
5. P.Venkatakrisnan, **S.Sangeetha**, G.J.Gnanasekaran, M.G.Vishnukumar, A.S.Padmanaban, “Analysis of vibration in Gearbox sensor data using Lipschitz Exponent function: A wavelet approach”, Proceedings. Advances in Control and optimization of dynamical systems,pp.1060-1064,2014 ( IIT Kanpur )
6. P.Venkatakrisnan, **S.Sagneetha**,M.S.Manikandan,"co2 emission calculation in road traffic ambient air by vehicle – pattern

distribution using lipschitz exponent function – signal processing approach” Proceedings in Indian International conferences in Air Qulaity Management, IICAQAM-2016, (IIT, Madras)

7. P.Venkatakrisnan, **S.Sagneetha**,M.S.Manikandan," prediction of the air pollution by contribution of road traffic – signal processing and higher order statistics spectra (hos) approach ” Proceedings in Indian International conferences in Air Qulaity Management, IICAQAM-2016, (IIT, Madras)

### National Conferences

1. Venkatakrisnan.P, **S.Sangeetha**, P.Balakrishnan, S.Mohamed Aarif, “Analysis of Traffic in highway transportation using wavelet transform modulus maxima (WTMM)”, RATE’12, Proceedings of the National Conference on Recent Analysis of Traffic Engineering, pp.297-301,2012 (NIT, Surat)
2. Venkatakrisnan.P, **S.Sangeetha**, V.Punitha, A.Sarayana Devi, “Traffic data analysis using Wavelet Transform Modulus Maxima: A Signal Processing approach”, Proceedings of National Conference on Fronteirs in Applied Sciences and Computer Technology (FACT’12), pp.86-92, 2012, (NIT, Trichy).
3. P.Venkatakrisnan, **S.Sangeetha**, Kowshisk, “Co2 Emission calculation in road traffic ambient air by vehicle – pattern distribution using wavelet transform”, Proceedings in National conference on Environmental research NCOCER 2015.(IIT, Gauwhathi)
4. P.Venkatakrisnan, **S.Sangeetha**, Julias Darren, “Analysis and assessment of the air pollution by contribution road traffic – signal processing and higher order and statistics spectra approach”, Proceedings in National conference on Environmental research NCOCER 2015. .(IIT, Gauwhathi)
5. B.Pradeep, G.Nishith, **S.Sangeetha**, P.Venkatakrisnan, G.Sriknath “design of a novel method for colorectal cancer (crc) epidemiology analysis by microsoft azure machine learning tool”, ICMR

Sponsored National Conference about Health care management  
(NIT Rourkela)

**Achievements**

1. Certified as an Elite in NPTEL Online certification for power system Engineering course conducted by IIT Kharagpur.

2 Certified as an Elite in NPTEL Online certification for Electric Circuits course conducted by IIT Kharagpur .

**Workshops**

S.No	Title of the Program	Type of the Program	Date and month of the Program	Amount Paid	Venue
1	Simulink for System and Algorithm	FDP	24.05.2018 to 02.06.2018		CMR College of Engineering & Technology
2	Transmission & distribution	FDP	29.12.2014 to 4.01.2015	-	K.L.N college of Information & Technology
3	Energy Audit and Management	FDP	24.1.2014 to 25.1.2014	Rs .1000/-	Thiagarajar College of Engineering
4	Statsitical Data Processing Research Focus	Workshop	13 & 14 th September 2013	Rs.1000/-	K.L.N. College of Information and Technology
5	Soft Computing Techniques And Its Applications To Electrical Engineering	Two Days National Level Seminar	18.10.2012 to 19.10.12	Rs .500/-	Sri Vidya College of Engg. & Tech., Virdhunagar
6	Fractical and Sparse Signal	Workshop	30& 31 <sup>st</sup> March	Rs.1000/-	Vickram College of

	Representation		2012		Engineering
7	Wavelet and Sparse Signal Representation-research focus	Workshop	30.09.2011 & 1.10.2011		Thiagarajar College of Engineering
8	Training of Trainers in Entrepreneurship Development	Training Programme	16.11.2011	Rs.400/-	Maditssia's Business Information Centre(BIC)
9	Circuit Theory	Three Day FDP	<b>21.12.16 to 23.12.16</b>	Rs.700/-	Kamaraj College of Engineering & Technology
10	Automated Facilitation of Accreditation Process and Outcome Based Education for Technical Education Institutions	workshop	<b>28.07.16</b>	Rs.500/-	<b>Anna University Regional Campus Madurai</b>
11	High Voltage Engineering	Three Day FDP	28.06.16 to 30.06.16	Rs.300/-	Kamaraj College of Engineering & Technology
12	Oracle Java Fundamentals	Threeday workshop	05.01.16 to 07.01.16	Rs.300/-	Dept of Software System, KCET
13	Green energy technologies	workshop	30.10.15	nil	Kamaraj College of Engineering & Technology
14	WORK OUT YOUR WHY	FIP	4.12. 14 to 5.12.14	-	Kamaraj College of Engineering & Technology
15	FDP on Electromagnetic Theory	FDP	12.06.14 to 19.06.14	NIL	Anna University,

					Chennai
<b>16</b>	Communication Skills	FDP	18.11.2013 to 30.11. 2013	Rs. 3500/-	Kamaraj College of Engineering & Technology
<b>17</b>	Fundamentals on Electrical & Electronics Engineering	FDP	03.03.2014 & 04.03.2014	-	Kamaraj College of Engineering & Technology
<b>18</b>	Electromagnetic Theory	FDP	12.05.14 to 19.05.14	-	Kamaraj College of Engineering & Technology
<b>19</b>	Feel teacher	FDP	08.7.2013 to 10.7.2013		Kamaraj College of Engineering & Technology