


FACULTY PROFILE

1	Name of Faculty	Dr.SUHARA E M			
2	Designation	ASSISTANT PROFESSOR			
3	Department	Electrical & Electronics Engineering			
4	Contact No.	9497159607			
5	Email	suharanas@gmail.com			
6	Academic Qualifications				
	Degree	Year	Branch/Area of Specialization	Institution	
	B.Tech	1992-1996	Electrical & Electronics	M A College of Engineering Kothamangalam.	
	M.Tech	2005-2007	Power Electronics	NIT Calicut	
	Ph. D	2019	Electric Vehicle Grid Integratio	Calicut University	
7	Professional Experience				
	Period Served	Name of institution		Designation	
	1999 September to 2003 July	IHRD,Kerala		Lecturer	
	2003 July to Till date	DTE,Kerala		ASSISTANT PROFESSOR	
8	Publications (List is attached)				
	Journal	3 Nos.			
	International Conference	4 Nos.			
	National Conference	~			
9	No. of STTPs attended from 2012 till date	13 Nos.			
10	Membership in professional Bodies	ISTE			
11	No. of M.Tech. projects guiding/guided from 2012 till date	Guided		Guiding	
		4		1	
12	Field of interest	Power Electronics and Drives,Analog/Digital Circuits			

INTERNATIONAL CONFERENCES/JOURNALS	
1.	Suhara, E. M., and M. Nandakumar. "Analysis of hysteresis current control techniques for three phase PWM rectifiers." In <i>Signal Processing, Informatics, Communication and Energy Systems (SPICES), 2015 IEEE International Conference on</i> , pp. 1-5. IEEE, 2015.
2	Suhara, E. M., M. Nandakumar, and K. Mathew. "Novel adaptive hysteresis current control of bidirectional three phase PWM converter under reduced switching scheme." In <i>Power Electronics, Drives and Energy Systems (PEDES), 2016 IEEE International Conference on</i> , pp. 1-6. IEEE, 2016.
3	Suhara, E. M., and M. Nandakumar. "Voltage oriented control of three phase PWM rectifier with Bus Clamped Space Vector PWM." In <i>Power, Instrumentation, Control and Computing (PICC), 2015 International Conference on</i> , pp. 1-5. IEEE, 2015.
4	E M Suhara and M Nandakumar, " Analysis of Hysteresis Current Controlled Three Phase PWM Rectifier with Reduced Switching Loss", Inter Sci Press, IJCTA, pp. 877-887, 2015.
5	Suhara, E. M., M. Nandakumar, and K. Mathew. "Hardware Implementation Issues of FPGA based Prototyping for Hysteresis Current Controlled Three Phase PWM Rectifier." <i>International Journal of Applied Engineering Research</i> 13, no. 2 (2018): 830-839.
6	Suhara, E. M., E. A. Jasmin, and N. R. Sangeetha. "Analysis of harmonics in an educational institution and active filter design for mitigation." In <i>Recent Advances in Intelligent Computational Systems (RAICS), 2011 IEEE</i> , pp. 819-822. IEEE, 2011.
7	EM Suhara, M Nandakumar, K Mathew "Adaptive hysteresis based multifunctional electric vehicle charger with a single feedback loop controller", IET, The Journal of Engineering 2018 (8), 714-720

LIST OF STTP'S ATTENDED/COORDINATED

2012-2013

TRAINING PROGRAMME ATTENDED		
1	"Academic Leadership" IIM, Kozhikkode.	17-1-2013 to 19.01-2013 (3 days)
2	"Development of smart power grids" by. Engineering staff College of India, Hyderabad	29-1-2013 to 31.01-2013 (3 days)

2013-2014

Sl.No.	NAME OF TRAINING PROGRAMME	Duration
1	Mathematical Modeling and Analysis of Systems at GEC Thrissur	10/06/2013 to 14/06/2013(5 days)
2	Power Electronics,Drives and Control at IIST,Trivandrum	02/07/2013 to 05/07/2013(4days)
3	Applications of Power Electronics at GEC Thrissur	7/11/2013 to 11/11/2013(5 days)
4	Energy audit and Management at GEC Thrissur	10/12/2014 to 12/12/2014(5 days)
5	Computational Tools for Engineering Applications at GEC Thrissur	24/06/2013 to 28/06/2013(5 days)
6	Hands on Training on FPGA based Embedded System Design at GEC Thrissur	17/03/2014 to 21/03/2014(5 days)
7	Document Preparartion using LATEX at GEC Thrissur	03/12/2014 to 05/12/2014(5 days)

2015-16

Sl.No.	NAME OF TRAINING PROGRAMME	Duration
1	Development of Smart Power Grids at GEC Thrissur	03.02.2015 to 05.02.2015
2	Modelling and Control in Power Electronics, GEC Thrissur	14.07.2015 to 17.07.201 (4 days)

2016-2017

Sl.No.	NAME OF TRAINING PROGRAMME	Duration
1	"Stress Management", GEC Thrissur	27.02.2017 to 03.03.2017 (3 days)
2	"Energy Management and Audit" Organised by Department of Electrical Engineering, GEC Thrissur	17.10.2016 to 20.10.2016 (3 days)

