

**FACULTY PROFILE**

<b>Name:</b>	Rekha T			
<b>Designation:</b>	Assistant Professor in EEE			
<b>Gender:</b>	Female			
<b>Nationality:</b>	Indian			
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<b>Phone no: 9497776509</b>				
<b>Designation:</b> Assistant Professor in EEE				
<b>Educational Qualifications:</b>				
<b>Examination</b>	<b>Specialization</b>	<b>College / Institute</b>	<b>University</b>	<b>Year of Completion</b>
PhD	Power Systems	TKM College of Engineering	APJKTU	Doing
M.Tech	Power Systems	College of Engineering Trivandrum	Kerala	2015
B.Tech	Electrical & Electronics Engineering	College of Engineering , Perumon	CUSAT	2006
Plus Two	Science	SNSMHSS, Elampalloor		2001
SSLC	State Syllabus	St.Jude HS , Mukhathala		1999
<b>Professional Experience</b>				
<b>Organization</b>	<b>Designation</b>	<b>Period</b>	<b>Duration (Yr, Month)</b>	
College of Engineering Perumon	Asst. Professor EEE	03 Jan 2011- till		
Sarabhai College of Engineering and Technology	Lecturer	06 April 2009 to 3 Jan 2011	2 yrs and 9 months	

Younus College of Engineering and Technology	Lecturer	01 Feb 2008-06 April 2009	1 yr and 2 months
Mohandas College of Engineering and Technology	Lecturer	02 July 2007-31 Jan 2008	6 months
College of Engineering , Kalooppara	Guest Lecturer	28 Aug 2006– 30 June 2007	10 months
<b>Training Programmes / FDPs / Short term courses / Workshops attended:</b>			
<b>Name of the Course / Programme</b>	<b>Venue &amp; dates</b>	<b>Duration in days</b>	
Soft skills development for Quality Education	TKM Collg of Engg. , Kollam 21.11.2011- 26.11.2011	6	
National workshop on Industrial automation	CEP 21.11.2012 - 23.11.2012	3	
Orientation Programme on Behaviour Skill Development	CEP 29.11.2012	1	
Workshop on Student Teacher Relationship & counseling	CEP 07.12.2012	1	
Introduction to Matlab and its application	CEP 10.12.2012-12.12.2012	3	
NBA Accreditation procedures	Govt Engineering college , Barton Hill 12.02.2013	1	
FDP on Application of power electronics in renewable energy systems	CEP 19.06.2013 - 23.06.2013	5	
Grid Integration of renewable energy sources	CEP Jul-13	5	
SDP on Robotics & Embedded Systems	CEP 03.09.2013- 07.09.2013	5	
FDP on Research methods - Issues & challenges	CEP 17.10.2013- 22.10.2013	6	

FDP on Matlab Applications in Control & Power Engineering	CEP 04.12.2013-08.12.2013	5
National workshop on Accreditation & Assessment	Atria Hotel, Bangalore 11.06.2014-13.06.2014	3
Workshop on SAR preparation	CEP 20.06.2014-21.06.2014	2
Two Days Workshop on NBA Accreditation	CEP 27.11.2014 - 28.11.2014	2
Pedagogical Training	IIT Madras 16.07.2015- 18.07.2015	3
FDP -Modelling & Simulation of Power Electronics & Power Systems	CEP 20.07.2015- 24.07.2015	5
Workshop on "Outcome Based NBA Accreditation	LBS-IT, Trivandrum 28.01.2016-29.01.2016	2
Training Program on Power Industry Familiarization Program	Power Engineers Training & Research Centre, Moolamattom, Idukki 25.08.2016-27.08.2016	3
Management of technology and innovation	IIM Kozhikode 24.11.2016-26.11.2016	3
"Power trading- power exchanges and merchant power plants"	ESCI ,Hydrabad 14.02.2017 - 16.02.2017	2
SMART GRID AND INTERNET OF THINGS	CPRI Bangalore 02.02.2017-03.02.2017	2
MDP on "Managerial Excellence"	IIM Culcutta 02.03.2017- 04.03. 2017	3
Workshop on Gender Sensitivity at Work Place	Motilal Nehru National Institute of Technology, Allahabad; 27.03.2017	1
Outcome Based NBA accreditation with emphasis on how to prepare SAR	CE Perumon 11 to 13 January 2018	3

High Speed Reconfigurable Power Electronic Controller	CE Perumon 24 to 30 April 2018	7
Mi Power-Applications in Power System	CE Perumon 01 to 05 November 2018	5
Modern Trends in Power Electronics and Drives	College of Engineering Trivandrum 01-07-2019 to 14-07-2019	14
Electric and Hybrid Vehicles	CE Perumon, 18-12-2019 to 22-12-2019	5
Recent Advances in Condition Monitoring of Power Equipment”	NIT Calicut 25-01-2021 to 30-01-2021	5
NBA Accreditation and Process	NIT Agarthala, 08-02-2021 to 12-02-2021	5
EV Motor drives- Power electronics control strategies and implementation	RIT Kottayam, 07-06-2021 to 17-06-2021	11
Modern Trends in Power Electronics	CEP, 08-03-2021 to 12-03-2021	5
Smart Grid: Monitoring, Protection and Control	IIT Roorkee, 15-03-2021 to 19-03-2021	5
Robotics and Control : Theory and Practical Approaches	CEP, 13-09-2021 to 17-09-2021	5
Attainment of Outcomes in OBE and Academic Audit of APJAKTU	College of Engineering Punnappra, 10-05-2022 to 11-05-2022	2

**Seminars/Symposia/Conferences Attended :**

Name of the Seminar/Symposia/Conference	Venue & Dates	National / International
Seminar on Recent Trends in Electromagnetic Field Theory	CEP 26.02.2013	
Seminar Power system analysis	CEP 29.04.2013	
Expert Lecture on Control Systems	CEP 09.09.2013	
National conference on Emerging Electrical Trends- 2K14	Indira Gandhi Institute of Engineering and Technology for women – 28/10/2014	National
2nd national conference on future technologies in	CEP	National

power , control and communication systems	23.03.2017-24.03.2017		
Fourth National Conference on Future Technologies in Power,Control and Communication systems, (NFTPCOS)	CEP, March 2019	National	
<b>Papers presented in Seminars/Symposia/Workshops/Conferences:</b>			
<b>Title of the paper</b>	<b>Name of S / S / W / C</b>	<b>Venue &amp; Dates</b>	<b>National / International</b>
Power quality control in DC traction systems using Static VAR compensator and Harmonic filter	National conference on Emerging Electrical Trends-2K14	Indira Gandhi Institute of Engineering and Technology for women – 28/10/2014	National
Smart vehicle with automatic speed regulation	International Conference on Emerging Trends in Engineering and Technology	Trivandrum	International
<b>Details of Published papers:</b>			
<b>Title of the paper</b>	<b>Name of the Journal</b>	<b>Volume No, page &amp; year of Publication</b>	<b>Citation index, impact factor</b>
Power Quality Control in DC Traction Systems using Static VAR Compensator and Harmonic filter	International Journal of Engineering Research & Technology ( IJERT)	Volume-3 --> Issue. 10 , October - 2014	1.76
<i>"Analysis of an advanced automatic mains failure panel with diesel generator control, fault detection and wifi"</i>	IJESRT, ISSN :2277-9655	March 2015	<b>3.449</b>
<i>"An Intelligent method for load sharing of transformers with temperature monitoring and automatic correction of power factor"</i>	IJESRT, ISSN: 2277-9655	March 2015	
<i>"An intelligent load sharing of transformers with parameter monitoring and power factor improvement"</i>	IJEREEE, Volume 1, Issue 1	February 2015	
" Smart vehicle with sign board adaptive speed governing system"	IAEME	March 2015	

" Smart vehicle with sign board adaptive speed governing system"	IJEREEE, Volume 1, Issue 1	February 2015	
" Smart vehicle and smart signboard system with zonal speed regulation"	IJMET	Volume 6, Issue 4 (PP 01-10) April 2015	
"Adaptive Mult area load frequency control in a deregulated power system using genetic algorithm"	ICFTE 2016	October 2016	
"Reduction of harmonic distortion in BLDC drive using BL- BUCK BOOST converter BLDC drive"	IJEET	Volume 7, Issue 5, September-October 2016, pp. 79-88	ISSN online: 0976-6553
Analysis of an advanced automatic mains failure panel with diesel generator control, fault detection and Wi-Fi	International Journal of Engineering Sciences and Research Technology	Volume 4, Issue 3, March 2015	3.449
An intelligent method for load sharing of transformers with temperature monitoring and automatic correction of power factor	International Journal of Engineering Sciences and Research Technology	Volume 4, Issue 3, March 2015	3.449
SMART VEHICLE AND SMART SIGNBOARD SYSTEM WITH ZONAL SPEED REGULATION	International Journal of Mechanical Engineering and Technology (IJMET),	ISSN 0976 – 6340(Print), ISSN 0976 – 6359(Online), Volume 6, Issue 4, April (2015), pp. 01-10© IAEME	8.8293
Zone wise fault detection and energy management strategies for KSEB	International journal of innovative research in science, engineering and Technology	ISSN (Online) : 2319-8753. Volume 6, special Issue 6 March 2017	6.209
A PFC based four switch BLDC motor	International journal of innovative research in science, engineering and Technology	ISSN (Online) : 2319-8753. Volume 6, special Issue 6 March 2017	6.209
"Design and Implementation of Solar powered pump for BLDC application",	Indian Journal of Applied Research	Volume 9/issue 7/July 2019/PRINT	ISSN NO. 2249-555X
"Design and Implementation of	Fourth National	March 2019	

Solar powered pump for BLDC application”	Conference on Future Technologies in Power,Control and Communication systems, (NFTPCOS)		
<b>Details of Programmes co-ordinated:</b>			
<b>Name of the Course / Programme</b>	<b>Venue &amp; Dates</b>	<b>Duration in days</b>	<b>Sponsoring Agency</b>
FDP on Energy and power quality Audit	11-12-2019 to13-12-2019, CEP	2	TEQIP II
Department Advisory Committee meeting	13 February 2015,CEP	1	TEQIP II
FDP on Efficient Motor Control Design Using FPGA	27 to 29 Jan 2014, CEP	3	TEQIP II
FDP on MATLAB applications in Control & Power Engineering	04 to 07 Dec 2013, CEP	3	TEQIP II