

FACULTY PROFILE



Name:	Rekha T			
Designation:	Assistant Professor in EEE			
Gender:	Female			
Nationality:	Indian			
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Phone no: 9497776509				
Designation: Assistant Professor in EEE				
Educational Qualifications:				
Examination	Specialization	College / Institute	University	Year of Completion
PhD	DC Microgrid	TKM College of Engineering	APJKTU	Persuing
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
Professional Experience				
Organization	Designation	Period	Duration (Yr, Month)	
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

Academic & Research Domains

- **Areas of Interest:**

- DC Microgrid
- Power Systems
- DC/AC Machines

- **Courses Taught:**

- DC Machines and Transformers
- Power systems
- Introduction to Electrical Engineering
- Management for Engineers

Details of Published papers:

Title of the paper	Name of the Journal	Volume No, page& year of Publication	Citation index, impact factor
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	3.449
<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	IAEME	March 2015	

adaptive speed governing system"			
" 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	Indian Journal of Applied Research	Volume 9/issue 7/July	ISSN NO.

application",		2019/PRINT	2249-555X
"Design and Implementation of Solar powered pump for BLDC application"	Fourth National Conference on Future Technologies in Power,Control and Communication systems, (NFTPCOS)	March 2019	

Membership in Professional Societies

- ISTE Life Member

Other Institutional Responsibilities

- Machines lab in charge
- Alumni committee coordinator
- Staff club coordinator
- PTA internal committee member

Date: 16.07.2026

Place: Perumon