


FACULTY PROFILE

1	Name of Faculty	Dr. RAJESH K.		
2	Designation	Assistant Professor		
3	Department	Electrical & Electronics Engineering		
4	Contact No.	9495217416		
5	e-mail	<i>rajeshkachary@gmail.com</i> <i>rajeshkachary@gectcr.ac.in</i>		
6	Academic Qualifications			
	Degree	Year	Branch/Area of Specialization	Institution
	Ph.D.	2021	Electrical & Electronics Engineering	National Institute of Technology, Tiruchirappalli, Tamil Nadu.
	M.Tech.	2011	Industrial Drives and Control	Govt. Engineering College, Kottayam (M.G. University, Kottayam), Kerala.
	B.Tech.	2004	Electrical & Electronics Engg	M.A. College of Engineering, Kothamangalam (M.G. University, Kottayam), Kerala.
7	Professional Experience			
	Period Served	Name of Institution		Designation
	05.01.2012 to 31.05.2013	Govt. Engg. College, Painavu		Assistant Professor
	03.06.2013 to 06.07.2020	Govt. Engg. College, Kottayam		Assistant Professor
	07.07.2020 to till date	Govt. Engg. College, Thrissur		Assistant Professor
	Date of joining i) Present institution : 07/07/2020 ii) DTE service : 05/01/2012			
8	Publications (List is attached)			
	Journal	2		
	International Conference	2		
	National Conference	1		
9	No. of STTPs attended	4		

10	Membership in professional Bodies	Indian Society for Technical Education (ISTE)	
11	No. of M.Tech. projects guiding/guided	Guided 1	Guiding 1
	No. of PhD Scholars guiding	Nil	
12	Field of interest	Power Electronics and Drives	
13	Additional Responsibilities Handled/ Handling	Staff advisor 2020-24 (EEA)	

LIST OF JOURNALS

1. **Rajesh Kuttappan Achary**, Chilakapati Nagamani, Ganesan Saravana Ilango, “A frequency-independent rotor position signal generation scheme without position sensors”, *IET Electric Power Applications*, 2020, Vol.14, No.9, pp.1570-1576.
2. **Rajesh Kuttappan Achary**, Sunkara Durgaprasanth, Chilakapati Nagamani, Ganesan Saravana Ilango, “A simple voltage modulator scheme for torque ripple minimization in a permanent magnet brushless dc motor”, *IEEE Transactions on Power Electronics*, March 2020, Vol.35, No.3, pp. 2809-2818.

LIST OF INTERNATIONAL JOURNALS

1. Faseen Kudukkengal, **Rajesh K**, “ Vector control of VSI fed 3-phase SCIM with high gain and two input boost stage DC-DC converter”, International Conference on Energy, Communication, data Analytics and Soft Computing (ICECDS), 2017.
2. **Rajesh K**, Amardutt A, Nandakumar M, “Modified Z-Source single phase two switch inverter”, International Conference on Signal Processing, Communication, Computing and Networking Technologies, 2011.

LIST OF NATIONAL JOURNALS

1. **Rajesh Kuttappan Achary**, Sunkara Durgaprasanth, Chilakapati Nagamani, Ganesan Saravana Ilango, “A buck-boost converter with dc-link voltage boost for minimizing torque ripple in brushless dc motor”, National Power Systems Conference (NPSC), December 2018.

LIST OF STTPS ATTENDED

Sl. No	Name of Course	Period		No. of days	Name of institution
1	Renewable energy and power electronics for industrial drives application, Phase-1	15-Apr-2021	21-Apr-2021	7	AICTE sponsored FDP at RIT, Kottayam (online mode)
1	Recent research trends in industrial drives and power systems	23-Mar-2021	27-Mar-2021	5	RIT, Kottayam (online mode)
2	Workshop on universal human values in technical education	10-Aug-2020	14-Aug-2020	5	AICTE, Delhi (online mode)
3	Introduction to electric vehicles; opportunities and challenges-case study	03-Aug-2020	08-Aug-2020	6	Saintgits College of Engineering, Kottayam (online mode)

HONORS AND AWARDS

1. First Rank in M.Tech. (Industrial Drives and Control), Mahatma Gandhi University, Kottayam.
2. MHRD fellowship for M.Tech. programme.