


FACULTY PROFILE

1	Name of Faculty	UMA SYAMKUMAR		
2	Designation	Assistant Professor		
3	Department	Electrical & Electronics Engineering		
4	Contact No.	9447328185		
5	Email	uma@gectcr.ac.in		
6	Academic Qualifications			
	B.Tech.	Electrical Engineering	Govt. Engineering College, Thrissur	
	M.Tech	Guidance & Navigational Control	College of Engineering, Trivandrum	
7	Professional Experience			
	Period Served	Name of institution	Designation	
	18/10/2004- 2/12/2005	Govt. Engg. College, Palakkad	Lecturer	
	3/12/2005- till date	Govt. Engg. College, Thrissur	Assistant Professor	
	Date of Joining in Technical Education Department:			18/10/2004
8	Publications (List is attached)			
	Journal	1		
	International Conference	9		
	National Conference	1		
9	No. of STTPs attended from 2012 to 2016	8 (List is attached)		
10	Membership in professional Bodies	IEEE		
11	No. of M.Tech. projects guiding/guided	Guided	Guiding	
		5	1	
	No. of PhD Scholars guiding			
12	Field of interest	Control Systems, Electric Machines & Drives		
13	Additional Responsibilities	<ul style="list-style-type: none"> ➤ Member, Institute Academic Committee, TEQIP ➤ Department Coordinator, TEQIP Academics. ➤ Dept. ISO Coordinator ➤ ISO Auditor ➤ Lab in charge- Power Systems ➤ Project Coordiantor (UG) 		

List of STTP'S /Workshops attended(For the last Five years)

Sl. No.	Name of Course	Organised By	Duration	Period
1.	Emerging Trends in Automobiles and Emission Control Systems	Govt. Engg. College, Thrissur	3 days	01-03-2012-03-03-2012
2.	Electrical Safety Procedures	ESCI, Hyderabad	3 days	11-2-2013- 13-2-2013
3.	Magnetic Simulator Simplorer & PExpert	Govt. Engg. College, Thrissur	2 days	13-8-2013 - 14-8-2013
4.	Fundamentals of MATLAB and Simulink	Math Works, Bangalore	5 days	21- 10-2013- 25- 10- 2013
5.	Document Preparation using Latex	GEC, Thrissur	3 days	03-12-2014 - 05-12-2014
6.	Safety Requirements for Engineering Institutions	CUSAT, Kochi	3 days	21-01-2015- 23-01-2015
7.	Pedagogical Training at IIT, Madras	IIT, Madras	3 days	18-08-2016to 20-08-2016
8.	Power Electronics, Drives and Control	Model Engg. College, Kochi	5 days	03-10-2016- 07-10-2016

List of STTP/ Workshops conducted

Sl No	Name of Course	Period	No. of days	Name of institution
1	Advances in Control Strategies & Instrumentation	01/08/2012-07/08/2012	7	GEC, Thrissur
2	Applications of Power	07/10/2013-11/10/2013	5	GEC, Thrissur

	Electronics			
3	Modelling and Control in Power Electronics	14-07-2015- 17-07-2015	4	GEC, Thrissur

List of Publications

International Conferences

1	V.S. Sumarani and Uma Syamkumar	High gain multilevel Boost Converter with Inductor Switching	International conference on materials for future, ICMF2013, 5-8 Nov 2013, GEC Thrissur
2	Uma Syamkumar, Dimna Denny C., Gayathry Dayanandan	Observer For Induction Motor State Estimation Using ANN	International conference on materials for future, ICMF2013, 5-8 Nov 2013 GEC Thrissur
3	Shithin P. V., Uma Syamkumar	Four Switch Three Phase Brushless DC Motor Drive for Hybrid Vehicles	International Conference on Emerging Trends in Engineering and Management 2014, ICETEM- 2014 at SNGCE, Kolenchery, Dec 30- 31, 2014
4	Anju P., Anish Gopinath, Uma Syamkumar, Jaya B.	Multiphase Motor based Electromechanical Actuator for Engine Gimbal Control - Prospects & Challenges	NCRTPPC- 2015, on 23/ 02/ 2015 at RMK College of Engg., Chennai
5	Anju Narayanan, Anish Gopinath, Uma Syamkumar, Jaya B.	Polyphase Motor Based Electromechanical Actuator for Engine Gimbal Control - Prospects and Challenges”	National conference on Recent trends in Power engineering, Power electronics and Control systems 23rd February, 2015 organized by EEE department of RMKCET, Chennai, Vol.1, pg-26-31.
6	Anju Narayanan, Uma Syamkumar , Anish Gopinath, Jaya B.	Multiphase Motor Based Electromechanical Actuator for Engine Gimbal Control - Prospects and Challenges	IEEE International Conference on TAP Energy at Amrita Vishwa Vidyapeethom, Amritapuri, 24-26th June 2015.
7	Greeshma Nadh, Uma Syamkumar , Jayanand B.	Sliding Mode Observer for Vector Control of Induction Motor	International Conference on Next Generation Intelligent Systems. ICNGIS2016, at RIT, Kottayam , from Sept. 1 - 3, 2016
8	Uma Syamkumar , Jayanand B.	A Single- Stage Smoothing Filter for the Speed Estimation of Three Phase Induction Motor	Seventh Power India International Conference , PIICON 2016 at GEC, Bikaner, from 25- 27, Nov. 2016
9	Greeshma Nadh, Uma Syamkumar, Jayanand B.	Sliding Mode Observer for Speed Sensorless Field Oriented Control of Induction Motor	Seventh Power India International Conference , PIICON 2016 at GEC, Bikaner, from 25- 27, Nov. 2016

National Conferences

1	V.S. Sumarani and Uma Syamkumar	Multilevel Boost Converter with Inductor Switching	1st National Conference on Systems, Energy & Environment (NCSEE '13)
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International Journals

1	Shithin P. V., Uma Syamkumar	Four Switch Three Phase Brushless DC Motor Drive for Hybrid Vehicles	International Journal of Electrical Engineering & Technology(IJEET)
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