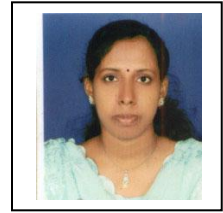



**FACULTY PROFILE**

1	<b>Name:</b>	Mrs. Edwina G Rodrigues
2	<b>Designation:</b>	Assistant Professor in EEE
3	<b>Gender:</b>	Female
4	<b>DOB:</b>	
5	<b>Nationality:</b>	Indian
6	<b>Marital Status:</b>	Married
7		
8		
9		
10		
11	 email: gr.edwina@gmail.com	
12	<b>Date of Entry of Service in CAPE: 30.08.2010</b>	
13	<b>Designation: Lecturer in Electrical and Electronics Engg.</b>	
	<i>(please attach copy of appointment order)</i>	
14	<b>Date of Entry of Service in this Institute: 16.07.2015</b>	
15	<b>Designation: Assistant Professor in EEE</b>	
	<i>(please attach copy of appointment order / Transfer order)</i>	

<b>16. Educational Qualifications:</b> <i>(in reverse chronological order) (attach copies of Certificates)</i>					
<b>Examination</b>	<b>Specialisation</b>	<b>College / Institute</b>	<b>University</b>	<b>Year</b>	<b>% / CGPA / Rank</b>
M.Tech	Power Electronics	AMS College Namakkal, Salem	Anna University Chennai	2013	First Class with Distinction
B.Tech	Electrical & Electronics Engineering	Rajiv Gandhi Institute of Technology, Kottayam	Mahatma Gandhi	2006	First Class with Distinction
PDC	Science	All Saint's College TVM	Kerala	2001	First Class
SSLC	State Syllabus	NSM GHS Kottiyam	Kerala Board	1999	First Class with Distinction

<b>17. Academic Achievements: (GATE / NET etc.)</b> <i>(in reverse chronological order) (attach copies of Certificate)</i>		
<b>Examination</b>	<b>Year</b>	<b>Score</b>

<b>18. Professional Experience</b> <i>(in reverse chronological order) (attach copies of appointment order / experience certificate)</i>			
<b>Organisation</b>	<b>Designation</b>	<b>Period</b>	<b>Duration (Yr, Month)</b>
College of Engineering Perumon	Asst. Professor	16.07.2015- till	
College of Engineering Pathanapuram	Asst. Professor	10.08.2011- 15.07.2015	3 yrs and 11 months
College of Engineering Trikaripur	Lecturer	30.08.2010- 09.08.2011	11 months
Baselios Mathews II College of	Lecturer	27 July 2007-	3 years 1 months

Engineering, Sasthamcotta Kollam		29.08.2010	
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<b>19. Training Programmes / FDPs / Short term courses / Workshops attended:</b> <i>(in reverse chronological order) (attach copies of certificate)</i>		
<b>Name of the Course / Programme</b>	<b>Venue &amp; dates</b>	<b>Duration in days</b>
Design and Degree show 2016	IIT Bombay 19.06.2016 to 21.06.2016	3
Training Program on Power Industry Familiarization Program	Power Engineers Training & Research Centre, Moolamattom, Idukki 25.08.2016 to 27.08.2016	3
Pedagogical Training	IIT Madras 29.09.2016 to 1.10.2016	3
Workshop on 'Quality Initiatives in Engineering Colleges'	College of Engineering Trivandrum 24.11.2016 to 25.11.2016	2
Two days workshop on "Smart Grid and The Internet of Things (SGIoT)	02.02.2017 to 03.02.2017	2
STC on Condition Monitoring of Mechanical and Electrical Systems using Advanced Signal Processing Techniques	IIT Indore, 06.03.2017 to 07.03.2017	2
Workshop on 3D Printing : A Disruptive Technology of this Era	20.02.2017 to 21.02.2017 IIT Bombay	2

Modelling & Simulation of Power Electronics & Power Systems	20.07.2015-24.07.2015 College of Engineering Perumon	5
Recent Advances in Electrical System Design	18.301.2016-23.01.2016 College of Engineering Perumon	6
Research Colloquium on 'Recent Advancements in Drives and Control'	13.03.2017-14.03.2017 College of Engineering Perumon	2
STC on Image Processing using Python & Implementation in RASPBERRY PI	07.12.2015 to 12.12.2015 College of Engineering Perumon	6
Workshop on Advanced Data Mining and Pattern Recognition	30.11.2015-04.12.2015 College of Engineering Perumon	5

FDP on VLSI Design-Research Perspective	20.07.2016-25.07.2016 College of Engineering Perumon	6
FDP on High Speed Reconfigurable Power electronic Controllers	24.04.2018-31.04.2018 College of Engineering Perumon	6
Preparedness of accreditation by NBA	College of Engineering Thalassery	
Outcome Based NBA Accreditation with emphasis on how to prepare SAR	11.01.2018-13.01.2018 College of Engineering Perumon	4

<b>20. Seminars/Symposia/Conferences Attended :</b> <i>(in reverse chronological order) (attach copies of certificates)</i>		
<b>Name of the Seminar/Symposia/Conference</b>	<b>Venue &amp; Dates</b>	<b>National / International</b>
International Conference on Electrical, Electronics, Software and Communication Engineering February 2016	<b>February 2016</b>	International
National conference On Future Technologies In Power, Control And Communication Systems (NFTPCOS '16)	College of Engineering Perumon 10/03/2016 – 12/03/2016	National

National conference on Emerging trends in Electronics And Communication Engineering(NACETEC'16)	College of Engineering Perumon 22/03/2016 – 23/03/2016	National
International conference On Future Technology in Engineering(ICFTE'16)	Hotel Ravis Kollam 24/10/2016 – 26/03/2016	International
National conference On Future Technologies In Power, Control And Communication Systems (NFTPCOS '17)	College of Engineering Perumon 23/03/2017 – 24/03/2017	National
National conference On Future Technologies In Power, Control And Communication Systems (NFTPCOS '18)	College of Engineering Perumon 16/03/2018 – 17/03/2018	National

**21. Papers presented in Seminars/Symposia/Workshops/Conferences:***(in reverse chronological order) (attach copies of certificates)*

Title of the paper	Name of S / S / W / C	Venue & Dates	National / International
Emergency assisting autonomous robot using GPS	International Conference on Electrical, Electronics, Software and Communication	Ernakulam February 2016	International

	Engineering February 2016		
High Efficiency interleaved DC-DC converter for PV Applications	International Conference on Electrical, Electronics, Software and Communication Engineering February 2016	Ernakulam February 2016	International
Design & analysis of an efficient Boost Converter for renewable Energy Sources.	National conference On Future Technologies In Power, Control And Communication Systems (NFTPCOS '16	College of Engineering Perumon 10/03/2016 – 12/03/2016	National
GPS and Radar Based Autonomous Mobile Robot for Emergency applications	National conference On Future Technologies In Power, Control And Communication Systems (NFTPCOS '16	College of Engineering Perumon 10/03/2016 – 12/03/2016	National

A modified SEPIC Converter fed induction Motor drive	International conference On Future Technology in Engineering(ICFTE' 16)	Hotel Ravis Kollam 24/10/2016 – 26/03/2016	International
<b>22. Details of Published papers:</b> <i>(in reverse chronological order) (attach copies of certificates)</i>			
<b>Title of the paper</b>	<b>Name of the Journal</b>	<b>Volume No.,page &amp; year of Publication</b>	<b>DOI/Citation index, impact factor</b>
Simulation of Efficient Drift free MPPT Based Dual Boost PV Microinverter	International journal of Innovative research in Electrical , Electronics, Instrumentation and control Engineering	Volume 6, Special Issue2, March 2018, ISSN online:2321- 2004 ISSN(Print)2321- 5526	6.33
Integrated Smart Trash Bin	International journal of Innovative research in Electrical , Electronics, Instrumentation and control Engineering	Volume 6, Special Issue2, March 2018, ISSN online:2321- 2004 ISSN(Print)2321- 5526	6.33



Automatic Monitoring and Interleaved Flyback Inverter For PV Applicatons	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331,	Volume 11, Issue 6 Ver. I (Nov. – Dec. 2016), PP 79-86	10.9790/1676-1106017986
Autonomous Intelligent Robot for Emergency Services	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331	Volume 11, Issue 5 Ver. IV (Sept-Oct 2016), PP 34-42),	10.9790/1676-1105043442
Design and Fabrication of Solar Boat	International Journal of Electrical Engineering & Technology (IJEET)	Volume:7,Issue: 6 Dec2016 Pages:1-10	IJEET_07_06_001
Agricultural Automation System with Field Assisting robot	International Journal of Innovative Research in Science , Engineering and technology	Volume 6,Issue 6, March 2017	7.08
BLUEFIN-"Autonomous Under water Vehicle"	International Journal of Innovative Research in Science , Engineering and technology	Volume 6,Issue 6, March 2017	7.08
Modelling and Simulation of a Novel 25 level Inverter with Single DC Source	International Journal of Innovative Research in Science , Engineering	Volume 6,Issue 6, March 2017	7.08

	and technology		
Zonewise Fault Detection and Energy Management Strategies for KSEB	International Journal of Innovative Research in Science , Engineering and technology	Volume 6,Issue 6, March 2017	7.08
A Modified SEPIC Converter Fed Induction Motor Drive”	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE),	Vol 1, Special issue, December 2016 , pp: 49-53	3.26
"High efficiency interleaved DC-DC converter for PV applications"	International Journal of Engineering Research in electrical & Electronics Engineering	Volume 2,Issue 2 February 2016	01.1617/vol2iss2pid054
"Emergency assisting autonomous robot using GPS"	International Journal of Engineering Research in electrical & Electronics Engineering	Volume 2,Issue 2 February 2016	01.1617/vol2iss2pid053
Design and analysis of an Efficient Boost converter for renewable energy sources	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineerring	Vol 5, special issue 2 ,March 2016.	10.15662/IJAREEIE.2016.0503543
"GPS and radar based autonomous robot for emergency application"	International Journal of Advanced Research in	Vol 5, special issue 2 ,March	10.15662/IJAREEIE.2

	Electrical, Electronics and Instrumentation Engineerring	2016.	016.050353 6
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<b>23. Details of Programmes co-ordinated:</b> <i>(in reverse chronological order) (attach copies of certificates)</i>			
<b>Name of the Course / Programme</b>	<b>Venue &amp; Dates</b>	<b>Duration in days</b>	<b>Sponsoring Agency</b>
National conference On Future Technologies In Power, Control And Communication Systems (NFTPCOS '16	College of Engineering Perumon 10/03/2016 – 12/03/2016	2	TEQIP II
Workshop on Orcad and PCB Design	College of Engineering Perumon 27 to 29 August 2017	3	TEQIP II
Workshop on Arduino and Labview	College of Engineering Perumon 2 to 4 March 2017	3	TEQIP II
Expert lecture on Induction machines	College of Engineering Perumon February 2016	1	TEQIP II
Expert Lecture on IIR filters and its design	College of Engineering Perumon February	1	TEQIP II

	2017		
Expert Lecture on Synchronous Machines	College of Engineering Perumon October 2017	1	TEQIP II
VIDHYUTH 2.0 Technical fest	College of Engineering Perumon October 2018	2	TEQIP II
Seminar on adolescent issues under Counseling and Guidance cell	College of Engineering Perumon January 2017	1	TEQIP II
A talk on 'Freedom with responsibilities' under Counselling & guidance cell for female students in our College	College of Engineering Perumon March 2017	1	TEQIP II
VIDHYUTH 3.0 Technical fest	College of Engineering Perumon February 2018	2	TEQIP II
FDP on High Speed Reconfigurable Power electronic Controllers	College of Engineering Perumon April 2018	7	TEQIP II

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<b>24. Details of funded Projects:</b> <i>(in reverse chronological order) (attach copies of certificates)</i>			
<b>Title of the Project</b>	<b>Name of The funding agency</b>	<b>No. &amp; Date of sanction order</b>	<b>Amount Sanctioned (in Lakhs)</b>
Emergency assisting Robot using GPS	TEQIP II		60000/-
Design and Fabrication of Solar Boat	TEQIP II		100000/-
Efficient drift free dual boost microinverter	Energy Management centre , Trivandrum	EMC/ET & R/18/SPS/01	3800/-

<b>25. Details of awards / Recognitions etc.:</b> <i>(attach copies of certificates)</i>	
<b>Year</b>	<b>Description</b>

<b>26. Details of QIP:</b> <i>(attach copies of certificates)</i>	
<b>Year</b>	<b>Description</b>

<b>27. Details of Membership in Professional bodies like IEEE / ISTE / IE etc:</b> <i>(attach copies of certificates)</i>	
<b>Year</b>	<b>Membership Details</b>

<b>28. Participation / co-ordination of Students' Extra-curricular / Co-curricular activities inside the institute:</b>

Year	Description
<b>2015-16</b>	<ul style="list-style-type: none"> <li>• Co-ordinator Woman's forum</li> <li>• Project Co-ordinator of 2012-16 batch and ensure student participation in various International/National Conferences and to publish their projects in International Journals.</li> <li>• Judge for different cultural programmes in arts festival</li> <li>• Accompanied S3 EEE students for Industrial visit.</li> </ul>
<b>2016-17</b>	<ul style="list-style-type: none"> <li>• Co-ordinator Woman's forum</li> <li>• Project Co-ordinator of 2013-17 batch and ensure student participation in various International/National Conferences and to publish their projects in International Journals</li> <li>• Judge for different cultural programmes in arts festival</li> <li>• Shortlisted in National Level Project Exhibition SRISHTI 2017</li> </ul>
<b>2017-18</b>	<ul style="list-style-type: none"> <li>• Project Co-ordinator of 2014-18 batch and ensure student participation in various International/National Conferences and to publish their projects in International Journals.</li> <li>• Judge for different cultural programmes in arts festival</li> <li>• Accompanied S3 EEE students for Industrial visit.</li> <li>• Shortlisted for KSCSTE TEKON 2018</li> </ul>