



FACULTY PROFILE

1	Name:	VIJI CHANDRAN
2	Designation:	Assistant professor
3	Gender:	Female
4	DOB:	22/03/1984
5	Nationality:	Indian
6	Marital Status:	Married
7	Father's / Guardian's/Spouse' Name:	Abhilash K. Narayanan
8	Permanent Address	Communication Address
	Kodayathu padinjattathil Mundakkal – West Kollam -691001	Kodayathu padinjattathil Mundakkal – West Kollam -691001
9	Phone:	Phone:
10	<input type="checkbox"/> Mobile (1): 9446567807	<input type="checkbox"/> Mobile (2): 9895238814
11	email: vijichandran@gmail.com	
12	Date of Entry of Service in CAPE: 07/07/2012	
13	Designation: Assistant professor	
	<i>(please attach copy of appointment order)</i>	
14	Date of Entry of Service in this Institute: 13/10/2021	
15	Designation: Assistant professor	
	<i>(please attach copy of appointment order / Transfer order)</i>	

16. Educational Qualifications:*(in reverse chronological order) (attach copies of Certificates)*

Examination	Specialisation	College / Institute	University	Year	% / CGPA / Rank
M-Tech	Industrial Drives & Control	Rajiv Gandhi Institute of Technology, Kottayam	M.G. University	2008	3 rd Rank
B-Tech	Electrical & Electronics Engg.	Amal Jyothi College of Engg. Kanjirapally	M.G. University	2005	

17. Academic Achievements: (GATE / NET etc.)*(in reverse chronological order) (attach copies of Certificate)*

Examination	Year	Score
GATE	2011	
GATE	2010	

18. Professional Experience*(in reverse chronological order) (attach copies of appointment order / experience certificate)*

Organisation	Designation	Period	Duration (Yr, Month)
CAPE	Asst. Professor	07-07-2012 to till date	10 yrs
St. Joseph's College of Engg. & Technology, Palai	Asst. Professor	01-08-2007 to 06-07-2012	5 yrs.

19. Training Programmes / FDPs / Short term courses / Workshops attended: <i>(in reverse chronological order) (attach copies of certificate)</i>		
Name of the Course / Programme	Venue & dates	Duration in days
ATAL FDP on “Research Trends in Design and control of Electric Vehicles	College of engineering Perumon September 17 to 21 January 2022	5 days
Workshop on NNAC & NBA Accreditation	Educorp centre for Research & Advanced studies, 14 th Nov 2021	1 day
FDP on "Joy of Teaching"	College of Engineering Vadakara from 18/12/2021 to 20/12/2021	3 days
FDP on "Robotics and Control: Theory and Practical Approaches"	College of engineering Perumon September 13-17, 2021	5 days
Advances in power electronic conversion techniques for Renewable energy and electric vehicle applications	Jyothi Engineering college, Thrissur Aug 09-13, 2021	5 days
FDP "Smart grid monitoring and stability: a microgrid perspective	College of Engineering Vadakara from 24/07/2021 to 28/07/2021	5 days
FDP on Role of power electronics in Renewable energy systems	College of engineering Kidangoor July 5 -9, 2021	5 days
Faculty Development Program on GREEN ENERGY: CONSERVATION AND MANAGEMENT	MGM College of Engineering and Technology, Ernakulam. June 23 -25, 2021.	3 days
Online FDP on “ Electric vehicles”	College of engineering Kidangoor 29 March to 2 nd april, 2021.	5 days
International level FDP on “Research opportunities in smart grid technologies”	College of engineering Perumon March 22 - 27, 2021.	6 days
Online FDP on “ Modern trends in power electronics	College of engineering Perumon March 08 - 12, 2021	5 days
Online FDP on "State of the Art Technologies in EV Control	Government Engineering College Palakkad, March 03 - 05, 2021.	3 days
Online FDP on “ Electric vehicles: charging & challenges”	College of engineering Vadakara February 05 - 09, 2021.	5 days

FDP on Industrial automation	College of Engineering Perumon 16/01/2019 to 18/01/2019	3 days
Management development program on Managerial Excellence	IIM Calcutta 02/03/2017 to 04/03/2017	3 days
Training on Power Trading, Power exchange and Merchant power plants	ESCI, Hyderabad 14/02/2017 to 16/02/2017	3 days
Management of technology and innovation	IIM, Kozhikode 24/11/2016 to 26/11/2016	3 days
Pedagogical Training	IIT, Madras 29/09/2016 to 01/10/2016	3 days
Training Program on Power Industry Familiarization Program	PETARC, Moolamattom, Idukki 25/08/2016 to 27/08/2016	3 days
FDP on Optimization Techniques in Engineering Research	College of Engineering Perumon 28/07/2016 to 30/07/2016	3 days
FDP on Recent Advances in Electrical System Design	College of Engineering Perumon 18/01/2016 to 23/01/2016	6 days
SDP on Image Processing using Python & Implementation in RASPBERRY PI	College of Engineering Perumon 07/12/2015 to 12/12/2015	6 days
FDP on Modelling & Simulation of Power Electronics & Power Systems	College of Engineering Perumon 20/07/2015 to 24/07/2015	5 days
FDP ON 'Grid Integration of Distributed Energy Sources'	College of Engineering, Perumon, Kollam 27-29 June 2013	3 days
Training on Simulink for System and Algorithm Modeling	30 th and 31 st May 2013	2 days
Training on MATLAB and Simulink for Control Design Acceleration	1 st and 2 nd June 2013	2 days
National Workshop on LV Switchgear and Reactive Power Management Techniques	PSG College of Technology, Coimbatore 05-06 April, 2013	2 days
Workshop on Managing Adolescence	College of Engineering, Vatakara 05 th December 2012	1 day
Workshop on Trends in Advanced Research in Technology	College of Engineering, Vatakara 3 rd , 4 th & 6 th December 2012	3 days
National workshop on "industrial automation"	College of Engineering,	3 days

	Perumon, kollam 21 st -23 rd November 2012	
ISTE Workshop on Writing Effective Conference Paper conducted by IIT, Bombay	St. Joseph's College of Engineering, Palai, Kottayam 18 th & 19 th February 2012	2 days
Workshop on CYME(Power Engineering Software)	Saintgits College of Engineering 17 th September 2011	1 day
STTP on Research Domains in Power Electronics & Power Systems	Amal Jyothi college of Engineering, Koovappally Kottayam 26 th to 30 th May 2011	5 days
STTP on 'Electronics Education – A System approach'	St. Joseph's College of Engineering, Palai, Kottayam 2 nd to 6 th May 2011	5 days
Workshop on 'High Impact Teaching Skills'	Viswa Jyothi College of Engg. & Technolong, Vazhakkulam 9 th & 10 th November 2010	2 days
Seminar on ' Educational Utilization of Indian Standards'	St. Joseph's College of Engineering, Palai, Kottayam 11 th December 2009	1 day
Workshop on 'Advances in Power Electronic Systems'	St. Joseph's College of Engineering, Palai, Kottayam 5 th & 6 th January 2009	2 days
Induction training Programme on 'Teaching Excellence and Methodologies, sponsored by ISTE, Kerala section	Maharajas Technological Institute, Thrissur 20 th to 25 th August 2007	6 days

20. Seminars/Symposia/Conferences Attended : <i>(in reverse chronological order) (attach copies of certificates)</i>		
Name of the Seminar/Symposia/Conference	Venue & Dates	National / International
National conference on advances in computing communication signals energy and technology ACCSET'21	College of Engineering Vadakara, May 26 & 27, 2021	National
Second National Conference NFTP COS' 18	College of Engineering Perumon	National

National Conference 'NACETEC'16	College of Engineering Perumon 22 to 23rd March 2016	National
DDS2016 and Design conference on "Design for Future'	IIT Bombay	National
National Level seminar on Power and Energy Systems	College of Engineering, Vatakara 25-27 March 2013	National
National Seminar on Renewable Energy Systems	PSG College of Technology, Coimbatore 07-08 December 2012	National
National Conference on Power Electronics and Energy Management	St. Joseph's College of Engg. & Technology, Palai 15 th January 2011	National

21. Details of Programmes co-ordinated:*(in reverse chronological order) (attach copies of certificates)*

Name of the Course / Programme	Venue & Dates	Duration in days	Sponsoring Agency
FDP on Modelling & Simulation of Power Electronics & Power Systems	College of Engineering Perumon 20/07/2015 to 24/07/2015	5 days	TEQIP
National Research Colloquium On "Recent Advancements In Electrical Engineering"	College of Engineering Perumon March 13-14, 2017	2 days	TEQIP

22. 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
Design of a system to prevent	National conference on	College of	National

speeding of EVs under speed restricted sites	advances in computing communication signals energy and technology ACCSET'21	Engineering Vadakara May 26 & 27, 2021	
Reuse of waste electrical energy in Home / Industrial wiring	Third national conference NFTP COS' 19	College of Engineering Perumon	National
"Mechanical design of Smart solar Tunnel dryer"	International conferences on Future Technology in Engineering (ICFTE -16)	College of Engineering Perumon, 24th to 26th Oct 2016	International
An Intelligent Load sharing of Transformer and Parameter Monitoring System with Power factor Correction	International Conference on Emerging Trends in Engineering and Technology organized by IFERP	Trivandrum 8 th March 2015	International

23. Details of Published papers:*(in reverse chronological order) (attach copies of certificates)*

Title of the paper	Name of the Journal	Volume No.,page & year of Publication	Citation index, impact factor
Re use of Waste electrical energy in Home/ Industrial wiring	IJAR	Volume:9, issue:7, July 2019	PRINT ISSN No. 2249 - 555X Impact Factor: 5.397
"Autonomous Intelligent Robot for Emergency Services"	IOSR- JEEE	Vol 11, issue 5, Sept - Oct 2016, PP 34-42	ISSN (Online): 2278-1676 ISSN (Print): 2320-3331, Impact Factor :3.26
"Mechanical design of Smart Solar Tunnel Dryer"	IOSR- JEEE	Vol 11, issue 5, Sept - Oct 2016,PP 01-05	ISSN (Online): 2278-1676 ISSN (Print): 2320-3331, Impact Factor :3.26
"Automatic Monitoring and	IOSR- JEEE	Vol 11, issue	ISSN (Online): 2278-

Interleaved Flyback Inverter for PV Applications"		6, Nov - Dec2016, PP 79-86	1676 ISSN (Print): 2320-3331, Impact Factor :3.26
"Design and fabrication of Solar boat"	IJEET	Vol 7, issue 6, Nov-Dec 2016. pp.01–10,	ISSN Print: 0976-6545 and ISSN Online: 0976-6553 Impact Factor :8.1891
High power interleaved flyback inverter for PV applications	IJEREEE	Volume 2, Issue 2 February 2016, pp 95-99	ISSN(Online): 2395-2717 Impact Factor : 3.784
"An efficient interleaved flyback DC - DC converter	IJAREEIE	Vol 5, special issue 2 ,March 2016. pp:273-279	ISSN Print: 2320-3765 and ISSN Online: 2278-8875 Impact Factor : 5.016
Autonomous Home Energy Monitoring And management System	International Journal of Engineering Sciences & Research Technology	vol 1, issue 1, February 2015, PP 672-677	ISSN: 2277-965 Impact factor: 3.449
Introduction of virtual DC Bus in a Transformerless Grid Connected cost effective PV system for the elimination of leakage current	International Journal of Engineering Sciences & Research Technology	Volme 4 Issue 3 March 2015 PP 494-502	ISSN: 2277-965 Impact factor: 3.449
Fault Detection And Location in Transmission Lines using Pole Climbing Robot	International Journal of Engineering Sciences & Research Technology	Volme 4 Issue 3 March 2015 PP 503-508	ISSN: 2277-965 Impact factor: 3.449
GPS Based Accident Monitoring and MQ ⁺ Based Gas Tanker Hazard Alarm System	International Journal of Engineering Sciences & Research Technology	vol 4, issue 3, March 2015, PP 455-460	ISSN: 2277-965 Impact factor: 3.449