

**FACULTY PROFILE**

1	<b>Name:</b>	Jasna Basheer
2	<b>Designation:</b>	Assistant Professor in EEE
3	<b>Gender:</b>	Female
4	<b>DOB:</b>	NA
5	<b>Nationality:</b>	Indian
6	<b>Marital Status:</b>	Married
7	<b>Fathers' Name:</b>	Basheer K
8	<input checked="" type="checkbox"/> <b>Permanent Address</b>	<input checked="" type="checkbox"/> <b>Communication Address</b>
	Shyas Manzil (Varaniyil) Pada-North Karunagappally Kollam Pin: 690518	Shyas Manzil (Varaniyil) Pada-North Karunagappally Kollam Pin: 690518
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11	<input checked="" type="checkbox"/> email: <a href="mailto:jasnabasheer@perumonec.ac.in">jasnabasheer@perumonec.ac.in</a>	
12	<b>Date of Entry of Service in CAPE:</b> 01/07/2010	
13	<b>Designation:</b> Assistant Professor in EEE	
14	<b>Date of Entry of Service in this Institute:</b> 24/05/2011	
15	<b>Designation:</b> Assistant Professor in EEE	

Program	Specialisation	College / Institute	University	% / CGPA / Rank
Ph. D	Robotics and Control	College of Engineering Trivandrum	APJ Abdul Kalam Technological University	Doing
M. Tech	Control Systems	College of Engineering Trivandrum	University of Kerala	First Class with Distinction
B. Tech	Electrical and Electronics Engineering	TKM College of Engineering	University of Kerala	First Class with Distinction
Plus Two	Science	Boys Higher Secondary School	Board of HSE	First Class with Distinction
SSLC	Kerala state syllabus	CSSPMGHS (HS for Girls), Karunagappally	General Education Department, Govt.of Kerala	First Class with Distinction

**17. Academic Achievements: (GATE / NET etc.)**

Examination	Year	Score
GATE	2014	Qualified
GATE	2010	Qualified

**18. Professional Experience**

*(in reverse chronological order) (attach copies of appointment order / experience certificate)*

Organisation	Designation	Period	Duration (Yr, Month)
College of Engineering Perumon	Asst. Professor	24March 2011-till now	11 Years
College of Engineering Trikaripur	Lecturer	01/07/2010 to 31/12/2010	9 Months
	Asst. Professor	01/01/2011 to 23/03/2011	
Younus College of Engineering and Technology	Lecturer	01/09/2010 to 30/06/2010	10 Months

<b>19. Training Programmes / FDPs / Short term courses / Workshops attended:</b>		
<b>Name of the Course / Programme</b>	<b>Venue &amp; dates</b>	<b>Duration in days</b>
Power Electronic Control in Renewable Applications	25/04/2022 to 29/04/2022, Vimal Jyothi Engineering College	5
Robotics: Control and Applications-Phase I	04/04/2022 to 08/04/2022, Mar Baselios College of Engineering and Technology	5
Machine Learning for Engineering Applications	College of Engineering Trivandrum 20/12/2021 to 22/12/2021	3
Robotics and Control : Theory and Practical Approaches	13/09/2021 to 17/09/2021, College of Engineering Perumon	5
Control systems Applications with MATLAB Sessions	27/07/2021 to 31/07/2021, Rajagiri School of Engineering & Technology, Kochi	5
EV Motor Drives Power Electronics, Control strategies & Implementations	7/06/2021 to 16/06/2021, College of Engineering Perumon	10
Smart Power Grid Technologies-Trends, Opportunities and Challenges	03/05/2021 to 08/05/2021, Mar Baselios College of Engineering and Technology, Thiruvananthapuram	6
Robotics-Modeling, planning and Control-Phase I	15/03/2021 to 20/03/2021 Government Engineering College Palakkad	6
Electric Vehicles: Charging and Challenges	05/02/2021 to 09/02/2021, College of Engineering Vadakara	5
Digital Transformation in Teaching Learning Process	16/03/2020 to 30/03/2020, IIT Bombay	14
Electric and Hybrid Vehicles	18-12-2019 to 22-12-2019, College of Engineering Perumon	5
Energy and Power Quality Audit Methodologies	11-12-2019 to 13-12-2019 College of Engineering Perumon	3
Modern Trends in Power Electronics	08/03/2021 to 12/03/2021, College of Engineering Perumon.	5
Outcome Based education for NBA Accreditation	10/10/2019 to 12/10/2019 College of Engineering Perumon	3
Robotics and Control	01-07-2019 to 5-07-2019, IIT Roorkee	5
Mi Power-Applications in Power System	01-11-2018 to 05/11/2018 College of Engineering Perumon	5

FDP on smart grid and solar power systems	09/07/2018 to 10/07/2018, UKF College of Engineering & Technology	2
FDP on High speed reconfigurable power electronic controllers	24/04/2018 to 30/04/2018, College of Engineering Perumon	7
FDP on how to prepare SAR for NBA accreditation	11/01/2018 to 13/01/2018, College of Engineering Perumon	3
Preparedness for accreditation by NBA	14/12/2017 to 15/12/2017, College of Engineering Thalassery	2
Workshop on Gender Sensitivity at Work Place	27/03/2017, Motilal Nehru National Institute of Technology, Allahabad	1
MDP on Managerial Excellence	02/03/2017 to 04/03/2017, IIM Calcutta	3
Continuing Professional development Programme on 'Power Trading – Power Exchanges and Merchant Power Plants	14/02/2017 to 16/02/2017 ESCI, Hyderabad	3
Two days workshop on "Smart Grid and The Internet of Things (SGIoT)	02/02/2017 to 03/02/2017, Central Power Research Institute, Bangalore	2
Training Program on Power Industry Familiarization Program	10/01/2017 to 12/01/2017, Power Engineers Training & Research Centre, Moolamattom, Idukki	3
MDP on Management of Technology and Innovation	24/11/2016 to 26/11/2016, Power Engineers Training & Research Centre, Moolamattom, Idukki	3
Pedagogical training	27/10/2016 to 29/10/2016, IIT, Madras	3
Efficient Motor Control Design Using FPGA	27 to 29 Jan 2014, CEP	3
MATLAB applications in Control & Power Engineering	04 to 06 Dec 2013, CEP	3
Expert Lecture on Control Systems	09 Sep 2013, CEP	1
Grid integration of Distributed energy sources	27-29 June 2013, CEP	3
Application of Power electronics in Renewable Energy systems	19-23 June 2013, CEP	5
Workshop on Analog Electronics	4-14 June 2013, Sree Buddha College of Engineering, Nooranad	11
Seminar on Power system Analysis	29 April 2013, College of Engineering Perumon	1
Seminar on Recent trends in Electromagnetic field theory	26 Feb 2013, CEP	1

Introduction to MATLAB & Its Application	10 <sup>th</sup> to 12 Dec 2012, CEP	3
Seminar on Bioinformatics	19 <sup>th</sup> Nov 2012, CEP	1

20. Seminars/Symposia/Conferences Attended :		
Name of the Seminar/Symposia/Conference	Venue & Dates	National / International
NIL		

21. Papers presented in Seminars/Symposia/Workshops/Conferences:			
Title of the paper	Name of S / S / W / C	Venue & Dates	National / International
A novel technique to arrest unbalanced magnetic pull due to conical motion in three phase induction motor using feed-forward control	2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017)	Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, 27/01/17 & 28/01/2017	International
A novel strategy for the control of unbalanced magnetic pull due to rotor eccentricity in three phase induction motors	National Conference on technological trend (NCTT 2016)	College of Engineering Trivandrum	National
Determination of unbalanced magnetic pull due to rotor static eccentricity and conical motion in three phase induction motors	National Conference on Emerging Trends in Power, Energy and Control ( NCEPEC) 2016	College of Engineering Thalassery	National
Mechanical design of Solar Tunnel Dryer	International Conference on Future Technology in Engineering – ICFTE'16	College of Engineering Perumon	International

22. Details of Published papers:			
Title of the paper	Name of the Journal	Volume No., page & year of Publication	Citation index, impact factor
A Combined Feed forward-Feedback Strategy for Rotor Eccentricity Control in Switched Reluctance Motor Drive	IEEE digital library	Pages: 81-86 Year: 2019 DOI: <a href="https://doi.org/10.1109/ICPE-SYS.2018.8626890">10.1109/ICPE-SYS.2018.8626890</a>	

A Novel Control Scheme to Mitigate Unbalanced Magnetic Pull due to Eccentric Rotor in Three Phase Induction Motors	Proceedings of International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) June 2018.	Pages 07-12, SPEEDAM June 2018	
Analysis and control of rotor eccentricity in a train-lighting alternator	IEEE digital library	Pages: 2021 - 2025 Year: 2018 DOI: <a href="https://doi.org/10.1109/ICPCSI.2017.8392070">10.1109/ICPCSI.2017.8392070</a>	
DESIGN AND IMPLEMENTATION OF PV-FED OPENWELL BLDC SUBMERSIBLE PUMPSET FOR DOMESTIC APPLICATIONS	International Journal of Innovative Research and Analytical review (IJRAR).	July 2021, Volume 8, Issue 3	
A fully Portable autonomous robot for PV panels: Cleaning and crack detection	Indian Journal of Applied Research	Volume-9   Issue-7   July – 2019	
Energy Efficient Hybrid Electric Vehicle Driven by Brushless DC Motor	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 1, Special Issue 2, March 2018	
Automated Ration Vending Machine	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 1, Special Issue 2, March 2018	
A novel technique to arrest unbalanced magnetic pull due to conical motion in three phase induction motor using	IEEE digital library	Year: 2017 Pages: 1 – 6	
A PFC Based Four Switch BLDC Motor	International Journal of Innovative Research in Science, Engineering and Technology (IJIREETICE 18)	Volume 6, Special Issue 6, March 2017	

Determination of unbalanced magnetic pull due to rotor static eccentricity and conical motion in three phase induction motors	Proceedings of National Conference on Emerging Trends in Power, Energy and Control (NCEPEC) 2016	Volume 1, Issue 1 July 2016 pages 124-129	
Mechanical Design of Smart Solar Tunnel Dryer	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)	Year 2016, e-ISSN: 2278-1676, p-ISSN: 2320-3331 PP 01-05	
A novel strategy for the control of unbalanced magnetic pull due to rotor eccentricity in three phase induction motors	Proceedings of National Conference on technological trend (NCTT 2016)	Year 2016	

<b>23. Details of Programmes co-ordinated:</b>			
<b>Name of the Course / Programme</b>	<b>Dates</b>	<b>Duration in days</b>	<b>Sponsoring Agency</b>
Expert Session on High Speed Reconfigurable Power Electronics Converters (HSRPEC)	June 10 2022	1	DYUTHI
Release of IV <sup>th</sup> volume of Book of Abstracts ' Abstract book 2020	15/01/2020	1	DYUTHI
WORKSHOP ON PCB DESIGN AND FABRICATION	14/11/2019 to 15/11/2019.	2	DYUTHI
Electrical system design using autocad	22/10/2019 to 23/10/2019	2	IIIC TEQIP II Four funds
Fourth National Conference on Future Technologies in Power, Control and Communication Systems'19 (NFTPCOS-'19)	26/03/2019 and 27/03/2019	2	TEQIP II Four funds
Project Expo	03/09/2019	1	DYUTHI
Arduino World	06/02/2018	1	DYUTHI
Workshop on soft skill development	10/10/2018	1	IIIC TEQIP II
Seminar on Latex software	05/10/2017	1	TEQIP II
Seminar on Logic Memories	24/04/2018	1	TEQIP II
National Research Colloquium on 'Recent Advancements in Electrical Engineering	13/03/2017 to 14/03/2017	2	TEQIP II
Seminar on Power System Analysis	29/04/2014	1	TEQIP II
Grid Integration of Distributed energy Sources	27-29 June 2013	3	TEQIP II
Seminar on Electrical System Design	22/04/2013	1	TEQIP II

<b>24. Details of funded Projects:</b> (in reverse chronological order) (attach copies of certificates)			
<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>
PV based open well submersible sensorless BLDC motor drive.	Research Seed Money, KTU	KTU/RESEARCH 2/4068/2019	1,16,000
Face finger recognition based Attendance Marking system	KSCSTE	000953/SPS64/2019/KSCSTE	Rs. 10000
A novel control strategy for energy efficient hybrid electric vehicle	Energy Management Centre	EMC/ET&R/18S PS/01	Rs. 4000

<b>25. Details of awards / Recognitions etc.:</b>	
<b>Year</b>	<b>Description</b>
2016	Best Paper Award

<b>26. Details of QIP:</b>	
<b>Year</b>	<b>Description</b>
	NIL

<b>27. Details of Membership in Professional bodies like IEEE / ISTE / IE etc:</b>	
<b>Year</b>	<b>Membership Details</b>
2014	IET membership

<b>28. Participation / co-ordination of Students' Extra-curricular / Co-curricular activities inside the institute:</b>	
<b>Year</b>	<b>Description</b>
2021-22	IEDC co-ordinator, Co-ordinated all activities of IEDC, IQAC committee member, Organising chair of International Conference on Innovations in Science and Technology for Sustainable Development -ICISTSD 2022 (August 25-26, 2022) technically sponsored by IEEE Kerala.
2020-21	Convener of Dyuthi, Student association of EEE, Co-ordinated all activities of Dyuthi, IEDC co-ordinator, Co-ordinated all activities of IEDC, Department co-



	ordinator of campus software management, DQAC (Department Quality Assurance Cell co-ordinator),
<b>2019-20</b>	Tutorship of 2016-2020 students, Convener of Dyuthi, Student association of EEE, Co-ordinated all activities of Dyuthi, IEDC co-ordinator, Co-ordinaed all activities of IEDC, Department co-ordinator of campus software management, DQAC (Department Quality Assurance Cell co-ordinator), NBA Accreditation Co-ordinator.
<b>2018-19</b>	Tutorship of 2016-2020 students, Convener of Dyuthi, Student association of EEE, Co-ordinated all activities of Dyuthi, IIC co-ordinator, Department coordinator of campus software management, NBA Accreditation Co-ordinator, Co-ordinated Fourth National Conference on Future Technologies in Power, Control and Communication Systems'19 (NFTPCOS-'19) from 26/03/2019 to 27/03/2019.
<b>2017-18</b>	Tutorship of 2016-2020 students, Convener of Dyuthi, Student association of EEE, Co-ordinaed all activities of Dyuthi, IIC co-ordinator, Co-ordinated softskill development program for S5 students, Accompanied S3 students for their Industrial visit, NBA Accreditation Co-ordinator
<b>2016-17</b>	Tutorship of 2016-2020 Batch students, Co-ordinated Expert session on logic memories, Expert session on sustainable engineering, Expert session on Quantum Mechanics, National research colloquium on recent technologies in Electrical Engineering.
<b>2014-15</b>	Co-coordinator of Arts festival, Convener of women's Forum, Co-ordinated seminar on 'Healthy adolescence mind', Member of Procurement committee of TEQIP II.
<b>2013-14</b>	Convener of women's Forum, Procurement Committee member, Co-ordinated workshop on 'Self-defense tips' for lady students of the college, Co-ordinated seminar on 'Women Power Empowerment' for lady students of the college, Accompanied the students of S7 EEE for their Industrial visit.