

BIO DATA



Nithin T

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ACADEMIC QUALIFICATION

QUALIFICATION	YEAR OF PASSING	BRANCH/SPECIALISATION	UNIVERSITY
B-TECH	2009	ELECTRICAL & ELECTRONICS ENGINEERING	CALICUT UNIVERSITY
M-TECH	2017	POWER SYSTEMS	NIT CALICUT

EXPERIENCE

- Lecturer at KMCT Polytechnic College, Calicut (December 2009 – June 2010)
- Assistant Professor of College of Engineering Trikaripur (Under Govt. Of Kerala) (July 2010 – January 2012)
- Assistant Professor in College Of Engineering Vadakara (Under Govt. Of Kerala) Since January 2012 .
- Total teaching experience of 13 Years.

POSITIONS HELD

- TEQIP Nodal Officer (III cell), College Of Engineering Vadakara (March 2012 – June 2015)
- Teqip Finance Nodal officer. 2019 janury- till date
- Head Of Department, Electrical & Electronics Engineering at College of Engineering Vadakara (June 2014 – July 2015)

- Head Of Department, Electrical & Electronics Engineering at College of Engineering Vadakara (January 2018 – AUG 2019) (DEC -2019- March 2022.)
- Club & Association for electrical and electronics Staff adviset. (2012 June – 2015 June) & (2018 January- Till date)
- Admission Committee convenor (2018 March – 2023)
- Electrical Assistant engineer, College of engineering Vadakara. (2023 january – Till date)
- IEEE PES branch Adviser. (2022 June- Till date)

Publication

IEEE SPICES' 17

- FPGA based Hardware Implementation of Solar PV Inverters to act as STATCOM.

Major Research Interests

- Development of Control Scheme for Grid Connected Solar PV Inverters.
- Development of Novel Control Scheme to bring STATCOM Function in to a Grid Connected Solar Plant.
- Development of Control Schemes for Hybrid Electrical Vehicles.
- Development of Active Filters for Grid Harmonic Compensation.

FDP/Workshops/Training Programs Organised

1. National Level 5-day FDP – SAMLEEV'13 – Convener
2. National Workshop on Industry Institute Interaction'12 - Convener
3. 3-days Workshop in FPGA based control scheme for Grid Connected System – Convener (January 2018)
4. 5-days Workshop in Industrial Automation using PLC and SCADA – Convener (November 2014)
5. Convenor- PETAC 2019. 5 Days KTU Sponsored FDP
6. Convenor- EV charging, challenges, 2021 5 days FDP
7. Convenor – FDP on smart grid monitoring 24-28 July 2021
8. Cordinator – Arduino meets matlab. 3 days workshop. June 9,10,11- 2023

Professional Membership

- Member (No:94251575) of Institute of Electrical and Electronics Engineers (I.E.E.E)

Subjects Taught:

D C Machines & Transformers, Synchronous & Induction machines, Power Systems I, Power systems II, Electrical Measurements & Measuring instruments, Linear system analysis, Control Systems 1, Electric Network Theory, FACTS , Electrical System design, Basic electrical and electronics, Power plant automation.

Power electronics lab, Electrical machines I lab, Electrical Machines II Lab, Microprocessor and Embedded system Lab.

Training Programmes Attended:

Course Name	Conducted by	Sponsoring Agency	From Date	To Date	Duration
Trends in Advanced Research in Technology	CEV Vadakara	TEQIP II	3 rd December,2012	6 th December,2012	3 days
Managing Adolescence	CEV Vadakara	TEQIP II	5th December 2012	5th December 2012	1 day
National seminar on power and Energy Systems	CEV Vadakara	TEQIP II	25 March 2013	27 March 2013	3 Days
Entrepreneurship: The way Ahead Kerala	KFC	AICTE-MHRD	22 JAN 2014	22 JAN 2014	1 Day
Study and Maintenance of Electrical and Electronics Equipments Lab	CEV Vadakara	TEQIP II	04 th November 2013	08 th November 2013	5 days
Seminar : GIS a computer prespective	CE Vadakara	TEQIP II	17 AUGUST 2012	17 AUGUST 2012	1 day
A National level seminar on Power and Energy Systems	CEV Vadakara	TEQIP II	25 th March 2013	27 th March 2013	3 days
Data Acquisition & Processing, using Labview	GEC, Sreekrishnapuram	TEQIP II	20 June 2015	22 June 2015	3 days
Industriuan Automation Using PLC & SCVADA	CEV Vadakara	TEQIP II	2 Feb 2015	06 Feb 2015	5 days
Power Industry Famarilisation	PETARC	KSEB, TEQIP II	21 December 2016	23 December 2016	3 days
Management Development Programme	IIM Kozhikode	TEQIP II	11 july 2016	16 july 2016	6 days

Technology Workshop Test & measurement System	NIT Calicut	IEEE	21 APRIL 2016	22 APRIL 2016	2 days
Xilinx Vivado based FPGA design and Zynq Architecture	NIT Calicut	IEEE PES SB,NITC	3 rd September 2016	4 th September 2016	2 days
MATLAB and Simulink Control Design Architecture	Mathworks	TEQIP II	1 June 2013	2 June 2013	2 days
Electromagnetic Aanalysis , EMI,EMC Analysis,using FPGA	NIT Calicut	Entuple	26 October 2016	27 October 2016	Days
Industry Familiarization program on FPGA	ENTUPLE		31 January 2017	4 February 2017	3 days
AC and DC gas insulated transmission lines	NIT Calicut	IEEE PES SB,NITC	6 February 2018	6 February 2018	1 day
Distributed Generation & Smart grids	GEC, KANNUR	DTE	31 OCTOBER 2018	2 NOVEMBER 2018	3 days
Delve In to Future of Electric Vehicles	NIT Calicut	MHRD-TEQIP III	15 MARCH 2019	16 MARCH 2019	2 days
PETAC 19	CEV VADAKARA	KTU	14 JANUARAY 2019	18 JANUARAY 2019	5 days
EVRC 2019	NIT Calicut, GEC Bharathpur	TEQIP II	15/12/2019	21/12/2019	7 day
Introduction to Robotics	NIT Surathkal	E yanthra	14 February 2020	15 February 2020	2 days
Research opportunities in smart grid technologies	CE PERUMON	TEQIP II	22 MARCH 2020	27 MARCH 2020	7 days
Electric Vehicles. Charging & Challenges	CE VADAKARA	TEQIP II	5 FEBRUARY 2021	9 FEBRUARY 2021	5 days
Smart grid modelling & Stability	CEV	TEQIP	24 th July 2021	28 th July 2020	5 days
Power Electronic System and its real time control	NIT Surathkal	SERB	12 September 2022	18 September 2022	7 days

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FDP design to fabrication of power Electronic Circuits	GEC Wynad	KTU	5 December 2022	09 December 2022	4 days

EXPERT TALKS DELIVERED

Category	Title	Host Institute	Number of Sessions	Date
Skill training	EV Design Skill development training	NIT Calicut	1	3,4,5 July 2023
Workshop	Voltage Source invertor Applications	CEV	1	01/12/2022
Expert talk	The future of EV	M DIT	1	4/06/2023
Workshop	EV Boot camp	CE Thalassery	1	4,5 May 2023
Workshop	Modern Electric Vehicles	NIT Calicut	1	24,25,26 May 2023
Workshop	Arduino meets Matlab	CEV	2	9,10,11 June 2023
FDP	Electric Vehicles. Charging & Challenges	CE VADAKARA	1	5-9 FEBRUARY 2021

PROJECTS GUIDED

- 1) EV Charging station – Student Project B tech 2021
- 2) DC Fast charging- B Tech Student project 2022
- 3) Bi -Directional Dc Dc Converter For Ultracapacitor Application - B Tech Student project 2022
- 4) Zero investment method for grid power factor improvement by implementation of new control for grid connected solar panel- B Tech Student project 2019
- 5) FPGA Based Dc Microgrid Solar Charging Station For Electric Vehicles With Mppt Controlled Dc-Dc Sepic Converter-B tech student project 2020
- 6) Implementation & Control Of DSTATCOM- B Tech student project 2021