

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Brief Profile:

Dr. P.Raja was born on 22-07-1979 in Tuticorin, Tamil Nadu, India. He obtained his B.E (Electrical and Electronics Engineering) from Dr. Sivanthi Aditanar Engineering College Tiruchendur (Manonmaniam Sundaranar University Tirunelveli) in 2000 and M.Tech. degree in Energy Systems and Indian Institute of Technology Madras, Chennai in 2002. He has completed his Ph.D in the area of Reactive Power Control for Wind-driven Induction Generators at National Institute of Technology, Tiruchiappalli, 2013.

He has worked as Lecturer in PSNA College of Engineering and Technology, Dindigul (2002-2006), Tamil Nadu and served as a Senior Lecturer in Amrita School of Engineering, Bangalore, Karnataka (2006). He is presently an Assistant Professor in the Department of Electrical and Electronics Engineering at National Institute of Technology, Tiruchirappalli, India, where he has been, since May 2006. He is current holding a post of Associate Dean (Academic Reforms) at NIT Tiruchirappalli. He was in University of Western Ontario (UWO), Canada as a visiting researcher for a period of one month in 2008. His field of interest is Electrical Machines, Renewable Power Generation Systems and Power System Protection. He has published 5 research papers in reputed international journals and 19 international IEEE conferences. He is a life member of ISTE and Institution of Engineers (India) and member of IEEE.

1.	Name	Dr. P. Raja
2.	Designation:	Assistant Professor
3.	Office Address:	Department of Electrical and Electronics Engineering National Institute of Technology, Tiruchirappalli, Tamil Nadu
4.	Telephone (Direct) (Optional):	Telephone : 0431-250 3264
5.	Email (Primary): praja@nitt.edu	Email (Secondary) : janakiraja@gmail.com
6.	Field(s) of Specialization:	Power Systems and Renewable Energy Systems

7. Employment Profile

Job Title	Employer	From	To
Lecturer	PSNA College of Engineering and Technology, Dindigul, Tamil Nadu	June 2002	December 2005
Senior Lecturer	Amrita School of Engineering, Bangalore, Karnataka	January 2006	May 2006

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Assistant Professor	National Institute of Technology, Tiruchirappalli	May 2006	Till
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8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	National Institute of Technology (NIT), Tiruchirappalli	2013	NA	NA
M.Tech.	Indian Institute of Technology Madras (IITM), Chennai	2001	NA	Energy Systems
B.E.	Manonmanium Sundaranar University, Tirunelveli	2000	First Class	Electrical and Electronics Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/ Centre/Institution	From	To
Hostel Warden	Institution	July 2013	November 2015
First Year coordinator (UG)	Institution	August 2014	June 2016
Associate Dean (Academic Reforms)	Institution	November 2015	Till date
Member in Teaching Learning Center	Institution	June 2014	Till date
Member NBA task force	Institution	January 2014	Till date
Member in Convocation Committee	Institution	August 2007	Till date
Staff Advisor / EEE Association	Department / EEE	July 2007	June 2008
Time table (Academic Coordinator)	Department / EEE	July 2007	July 2013
NBA Coordinator	Department/EEE	July 2013	Till date
PhD Admission committee	Department / EEE	July 2016	Till date
Faculty in-charge BoS / M. Tech. Power Electronics	Department / EEE	July 2016	Till date
Programme Coordinator	Department/ EEE	July 2016	Till date
Member in B.Tech. Comprehensive Viva-voce committee	Department/ EEE	July 2016	Till date

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10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Member in Doctoral Committee	VIT Vellore	July 2015	Till date
	TCE Madurai	July 2014	Till date
	Anna University, Chennai	December 2014	Till date
Member in Question Paper scrutiny	Kalasalingam University, Krishnanankoil	July 2015	Till date
Invited talk	In various colleges/ universities in India	NA	

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
NIL (as on date)		

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
NIL (as on date)				

13. Details of Academic Work

(i) Curriculum Development

- a. Faculty in-charge BoS for M.Tech. Power Electronics
- b. Technical Committee member of Conclave on Academic Reforms conducted by NIT Tiruchirappalli

(ii) Courses taught at Postgraduate and Undergraduate levels

Under Graduate courses handled at NIT Tiruchirappalli			
Sl. No.:	Subject Title	Department	Year
1.	Power System Protection and Switchgear	EEE	2006, 2007, 2008, 2009, 2011, 2013-2015
2.	Power System Operation and Control	EEE	2006
3.	High Voltage Engineering	EEE	2007 and 2012
4.	Circuit Theory	EEE	2007 and 2008
5.	DC Machines and Transformers	EEE	2009, 2010 & 2011
6.	Transmission and Distribution of Electrical Energy	EEE	2014 and 2015
7.	Linear Integrated Circuits	EEE	2013
8.	Wind and Solar Electrical Systems	EEE	2012 and 2013
9.	Applied Electrical and	Chemical	2016

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	Electronics Engineering		
10.	Applied Electrical Engineering	Mechanical	2009
11.	Electrical and Control System Engineering	Production	2010
12.	Electrical Technology	MME	2011
13.	Basics of Electrical and Electronics Engineering	Production	2006, 2008 and 2014
14.	Energy and Environmental Engineering	First Year	2006 and 2008
Post Graduate courses handled at NIT Tiruchirappalli			
1.	Advanced Power System Protection	M.Tech. Power Systems and Power Electronics	2009, 2012 and 2015
2.	Energy Auditing and Management	M.Tech. CTM	2015

(iii) Projects guided at Postgraduate level

Sl.No.	Name of the Student	Name of the Programme	Title of the Project
1.	Divya Kumar Singh	M.Tech. (Power Systems)	Study on voltage stability in a distribution system with wind-driven induction generators
2.	Kuruva Raghavendra	M.Tech. CTM	Estimation of position for the current and potential probes for the earth resistance measurement
3.	Ch. Priyanka	M.Tech. Energy Engineering	Optimization of placement of wind turbines in a wind farm
4.	Jithin KK	M.Tech. (Power Systems)	Design, simulation and validation of techniques for digenesis of load encroachment in distance protection
5.	K Sujita Kumar Achary	M.Tech. (Power Systems)	Modelling and Simulation of impact of series compensation on distance protection of EHV line
6.	Salah Abdul Gafoor	M.Tech. (Power Systems)	Study on power supply design for APV in an open-loop HIL simulation system
7.	Salah Abdul Gafoor	M.Tech. (Power Systems)	Modelling and implementation of controllers for back to back converters
8.	Divya Kumar Singh	M.Tech. (Power Systems)	Load flow analysis for radial distribution systems and incorporating induction motor model for voltage stability study
9.	Raghavendra Tarun Kumar Gattam	M.Tech. Energy Engineering	Single-stage micro-inverter for grid connected solar-PV applications
10.	Ch. Priyanka	M.Tech. Energy Engineering	Optimization of wind farm turbines layout using Genetic and PSO algorithms
11.	Kuruva Raghavendra	M.Tech. CTM	Simulation and Analysis of very fast transient over voltages generated by gas insulated substations
12.	Jithin KK	M.Tech. (Power Systems)	Mitigation of load encroachment in distance relays with PMU
13.	K Sujita Kumar Achary	M.Tech. (Power Systems)	Modelling and simulation of impact of SVC on distance protection of transmission line
14.	Rahul P	M.Tech. (Power Systems)	Modelling and simulation of an improvised distance protection scheme using fault

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			resistance
15.	Ganesan A	M.Tech. (Power Systems)	Modelling and simulation of PMSG based wind-farm connected to DC Micro grid
16.	Boomirajan R	M.Tech. (Power Systems)	Design of alternator system for internal arc testing of switchgear
17.	Rahul P	M.Tech. (Power Systems)	Modelling of self-adaptive differential protection for power transformers
18.	Boomirajan R	M.Tech. (Power Systems)	Modelling and Simulation of Controllers for VSC based HVDC systems
19.	Ganesan A	M.Tech. (Power Systems)	Modelling and implementation of wind turbine emulator connected to PMSG
20.	Murali M	M.Tech. (Power Systems)	GPS synchronized differential Protection of mutually coupled line
21.	Minhaj Ahmed Ansari	M.Tech. Industrial Safety	Design of Non-linear model for prediction of transformer oil residual operating time using ANN
22.	Dinesh Kumar	M.Tech. (Power Systems)	FPGA based self-adaptive differential relaying for transformers
23.	Periyasamy A	M.Tech. (Power Systems)	FPGA implementation of Hardware accelerator for computer vision
24.	Anoop S	M.Tech. (Power Systems)	Design and Simulation of controllers for Wind Energy System and Hybrid storage system
25.	Anoop S	M.Tech. (Power Systems)	Modeling and Control of Wind-driven Squirrel cage induction generator with back to back converters
26.	S Vamshi Krishna	M.Tech. (Power Systems)	Wireless digital protection of transmission line using FPGA
27.	M Sree Ram	M.Tech. (Power Systems)	Implementation of Numerical based three-stepped distance protection scheme for transmission line
28.	Shashank Kumar DE	M.Tech. (Power Systems)	A study on the impact of SFCL with WTGS in distribution system
29.	Dipanshu Naware	M.Tech. (Power Systems)	Detection and Discrimination of faults in Power Transformers using FPGA
30.	M Sree Ram	M.Tech. (Power Systems)	Implementation of Numerical based three-step distance protection scheme for transmission lines (Phase-I)
31.	Dipanshu Naware	M.Tech. (Power Systems)	Detection and Discrimination of faults in power transformer using FPGA (Phase – I)
32.	Shashank Kumar De	M.Tech. (Power Systems)	Analysis and implementation of active rotor resistance control of SEIG
33.	Sreenivasu Nandipati	M.Tech. (Power Systems)	Voltage and frequency control of self-excited slip ring induction generator (Phase-I)
34.	Kranthikumar reddy PTR	M.Tech. (Power Systems)	Modeling and analysis of hybrid system with battery storage
35.	Kranthikumar reddy PTR	M.Tech. (Power Systems)	Influence of unbalance voltage on the steady-state performance of a three-phase squirrel cage induction motor
36.	Sreenivasu Nandipati	M.Tech. (Power Systems)	Voltage and frequency control of self-excited slip ring induction generator (Phase-II)
37.	M Madan kumar	M.Tech. (Power Systems)	Modeling and simulation of high temperature super conducting fault current limiter
38.	K Sridhar babu	M.Tech. (Power Systems)	A Wavelet based algorithm for discrimination of internal faults from magnetizing inrush currents in power transformers

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39.	Ashish Negi	M.Tech. (Power Systems)	Analysis of different neutral current compensation techniques
40.	Arun kumar	M.Tech. (Power Systems)	Differential protection of transmission line using moving window averaging technique
41.	Md Oves	M.Tech (Industrial Safety)	Analysis of earth resistance and soil resistivity testing
42.	Kiran	M.Tech (Industrial Safety)	Assessment of human body impedance for safety requirements against contact currents up to 110 MHz
43.	C V Sivakumar	M.Tech. (Power Systems)	Impact of Distributed Generation and Line outage on Available Transfer Capacity
44.	H. Ramesh	M.Tech. (Power Systems)	Voltage control of the parallel operated micro hydro synchronous generator and wind driven Induction generator with energy storage
45.	Naresh Gurugubelli	M.Tech. (Power Systems)	Analysis of stand – alone operation of single phase induction generator with energy storage system
46.	Venkateswara Rao	M.Tech. (Power Systems)	Optimal Relay coordination with Distributed generation
47.	Venkateswara Rao	M.Tech. (Power Systems)	Relay coordination with distributed generation
48.	Naresh Gurugubelli	M.Tech. (Power Systems)	Control of Double fed Induction Generator facing grid interruptions
49.	H. Ramesh	M.Tech. (Power Systems)	Stability improvement of a grid connected Wind energy system
50.	Sudhkar Putta	M.Tech. (Power Electronics)	Study on grid connected wind driven induction generator under various fault conditions
51.	A Pavan Kumar	M.Tech. (Power Electronics)	Implementation of sliding mode controller for boost converter
52.	Sudhakar Putta	M.Tech. (Power Electronics)	Control strategies for DC motor using dual chopper
53.	A Pavan Kumar	M.Tech. (Power Electronics)	Modeling and speed control of permanent magnet synchronous motor drive
54.	Goli Sandeep Reddy	M.Tech. (Power Electronics)	Performance of three phase self excited induction generator
55.	J V Niranjan	M.Tech. (Power Electronics)	Utility frequency AC to high frequency AC power converter with boost-half bridge single stage circuit topology
56.	Sankaraiah	M.Tech. (Power Systems)	An investigation of a robust control logic for a switch mode DC – AC inverter
57.	Goli Sandeep Reddy	M.Tech. (Power Electronics)	Modeling and analysis of TSC controlled three phase self excited induction generator
58.	J V Niranjan	M.Tech. (Power Electronics)	Control Strategies for active power filter
59.	Sankaraiah	M.Tech. (Power Electronics)	A novel Switch – mode DC – AC inverter with nonlinear robust control
60.	A P Srikanth	M.Tech. (Energy Engineering)	Optimization of photovoltaic / wind generation system using PSO
61.	Ganesh Kumar N	M.Tech. (Energy Engineering)	Energy optimized control of induction machines

(iv) Other Contribution(s)

- Developed video lectures for Power System Protection and Switchgear
- Developed Lab worksheets for Electrical Machines and Digital Electronics
- Developed and implemented new assessment methodologies

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14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Maximum Power Extraction from off-shore Wind-Driven Generators through HVDC transmission System	MHRD	February 2014	February 2017	Ongoing

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
NIL (as on date)			

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
24th– 25th June 2006	Lecture	National	Speaker	TEQIP	NIT Tiruchirappalli
28th – 29th October 2006	Lecture	National	Speaker	TEQIP	NIT Tiruchirappalli
5th - 6th January 2007.	Workshop	National	Participant		Thiruvananthapuram
30th – 31th March 2007	Lecture	National	Speaker	TEQIP	NIT Tiruchirappalli
25th – 29th September 2006.	Workshop	National	Participant	National Instruments	Bangalore
25th August 2007	Lecture	National	Speaker	Aravindhar Polytechnic	Dindigul
9th – 11th August 2007	Short term course	National	Participant	Anna University	Anna University
20th – 27th August 2007	Short term course	National	Participant	TEQIP	NIT Tiruchirappalli

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28th – 29th August 2007.	Workshop	National	Participant	TEQIP	NIT Tiruchirappalli
28th – 29th September 2007	Workshop	National	Participant	TEQIP	NIT Tiruchirappalli
14th – 15th December 2007.	Lecture	National	Speaker	TEQIP	NIT Tiruchirappalli
27th December 2007	Conference	National	Participant		
12th – 13th October 2007	Workshop	National	Participant	Institution of Engineers	Tiruchirappalli
	Lecture	National	Speaker	Institution of Engineers	BHEL Tiruchirappalli
2nd and 3rd January 2008.	Workshop	International	Participant	IEEE	IIT Delhi
15th March, 2008	Lecture	National	Speaker	Angel college of Engineering and Technology	Tirupur
17th November 2007	Lecture	National	Speaker	College of Engineering	Tiruchirappalli
28th January 2008 – 1st February 2008	AICTE - QIP Course	National	Participant	EEE Dept. NIT Tiruchirappalli	NIT Tiruchirappalli
28th January – 1st February 2008	AICTE - QIP Course	National	Speaker	EEE Dept. NIT Tiruchirappalli	NIT Tiruchirappalli
29th February 2nd March 2008	Workshop	National	Participant	NIT Warangal	NIT Warangal
9th June to 19th July 2008	Training	International	Visiting Researcher	University of Western Ontario	Canada
12th – 14th November 2008	Workshop	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
20th & 21st February 2009	Workshop	National	Participant	CPRI Bangalore	CPRI Bangalore
21st August	Refresher	National	Participant	National	Chennai

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– 27th August 2008.	Course			Institute of Technical Teachers Training & Research, Chennai	
3rd – 7th March 2009	Winter School	National	Participant	NITK Surathkal	NITK Surathkal
4th May 2009	Workshop	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
15th June – 27th June 2009.	MHRD-AICTE – Summer School	National	Participant	Dept of EEE & Mathematics	NIT Tiruchirappalli
14th – 18th December 2009	AICTE – QIP Sponsored short term course	National	Participant	Dept of EEE	NIT Tiruchirappalli
27th February, 2010	Lecture	National	Speaker	Velammal College of Engineering & Technology	Madurai
6th March, 2010	Lecture	National	Speaker	Bharath Niketan Engineering College	Bharath Niketan Engineering College
16th & 17th March 2011	Lecture	National	Speaker	NIT Tiruchirappalli	NIT Tiruchirappalli
7th December 2010.	Lecture	National	Speaker	KSR college of Engineering	Tircuchengode
27th August 2011	Lecture	National	Speaker	MNSK college of Engineering	MNSK college of Engineering
30th September 2011.	Lecture	National	Speaker	The Oxford college of Engineering	Bangalore
12th December to 22nd December.	Workshop	International	Participant	IIT Bombay	IIT Bombay
07th -08th July 2012.	Short term course	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
on 5th & 6th October	Faculty Orientation	National	Participant	Tanjore	Tanjore

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2012,	Programmee				
7th & 9th December 2012	IEEE Conference	International	Presenter	IEEE	Kochi
May 9th – 10th, 2013	Workshop	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
11th -12th October,2013	Workshop	National	Participant		Bangalore
9-12 September 2013	IEEE Conference	International	Participant	IEEE	Mauritius
March 08th - 10th , 2014	World Summit	International	Participant	NBA	New Delhi
20th & 21th of June, 2014	Workshop	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
15 th to 19 th September, 2014	Workshop	National	Coordinator	IIT Kharagpur	IIT Kharagpur
December 18th – 20th , 2014/	Conference	National	Participant	IIT Guwahati	IIT Guwahati
28th and 29th April 2015	Conclave on Academic Reforms	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
12th-13th June 2015	IEEE Conference	International	Participant	IEEE	NIT Meghalaya
10th-12th December, 2015.	IEEE Conference	International	Presenter	IEEE	CPRI Bangalore
22nd & 23rd January 2016	Symposium	National	Participant	IIT Madras	IIT Madras
04th – 05th March 2016	Short term course	National	Participant	TEQIP	NIT Tiruchirappalli
15th – 16th April	Workshop	National	Participant	NIT Tiruchirappalli	NIT Tiruchirappalli
July 4-6, 2016	IEEE Conference	International	Presenter	IEEE	DTU

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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Workshop on Distributed Generation	National	14 th and 15 th December 2007	One of the coordinator	NIT Tiruchirappalli
National Workshop on Power Electronics	National	12 th to 14 th November 2008	Member in organizing committee	NIT Tiruchirappalli
short term course on Renewable Electric Conversion systems	National	14 th to 18 th December 2009	One of the coordinator	NIT Tiruchirappalli
Workshop on Power System Protection – Level 1 Course	National	16 th – 17 th March 2011	One of the coordinator	NIT Tiruchirappalli
<i>Short-Term Course on ‘Power System Protection Issues with Distributed Generators’</i>	National	3 rd – 4 th August 2012	Coordinator	NIT Tiruchirappalli
Workshop on Low Power Controller using MSP 430 Microcontrollers	National	20 th – 21 st June 2014	One of the coordinator	NIT Tiruchirappalli
Conclave on ‘Academic Reforms’	National	28 th – 29 th April 2015	Member in organizing committee	NIT Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Inverters	24 th June 2006	EEE/NIT Tiruchirappalli
Three-phase circuits	29 th October 2006	EEE/NIT Tiruchirappalli
Introduction to MiPower software	31 st March 2007	EEE/NIT Tiruchirappalli
Future Scope in Electrical energy generation	25 th August 2007	Aravindhar Polytechnic, Dindigul
Restructuring of Electrical Utilities	15 th December 2007	EEE/NIT Tiruchirappalli
Deregulated Power Systems	8 th January 2008	IEI Tiruchirappalli Local center BHEL
Fundamentals of Magnetic	15 th March 2008	Angel College of Engineering and

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Circuits		Technology, Tirupur
Soft Skills development	17 th November 2007	JJ college of Engineering Trichy
Distributed Generation	1 st February 2008	EEE/NIT Tiruchirappalli
Electrical Machine Windings	27 th February, 2010	Velammal College of Engineering & Technology, Madurai
Wind and Solar Energy	6 th March, 2010	Bharath Niketan Engineering College, Theni
Basics of Power system Protection	16 th March 2011	NIT Tiruchirappalli
Illumination	7 th December 2010	KSR college of Engineering, Tiruchengode
Renewable – Electric Energy conversion	27 th August 2011.	MNSK college of Engineering, Pudukkottai
Modeling and analysis of DC motor use MATLAB/SIMULINK	30 th September 2011	The Oxford college of Engineering, Bangalore
Emerging Trends in Power, Instrumentation and Real time systems	09 th March 2012	Bharath Niketan Engineering College Aundipatty
Protection issues in HVDC Transmission	18 th August 2012	NIT Tiruchirappalli
Fundamentals of Electrical Engineering	29 th August 2012	SBM College of Engineering and Technology, Dindigul
Understanding of Electrical and Electronics Engg.	07 th May 2013	Kings Engineering College, Irungattukottai
Hybrid SFCL for Distributed Generation	03 rd June 2013	GCT Coimbatore
Electrical Machines	12 th February 2014	M. Kumarasamy College of Engineering, Karur
Transients in Integrated Power Systems	22 nd April 2014	K. Ramakrishna College of Engineering, Samayapuram
Electrical System Modeling	28 th March 2015	SBM College of Engineering and Technology, Dindigul
Stability and Protection Issues in Grid Connected Wind-driven Systems	20 th April 2015	Thiagarajar College of Engineering, Madurai
Process of NBA Tire-I	07 th July 2015	Vivekanandha College of Engineering for Women, Tiruchengode
Challenges in grid connected renewable energy systems	25 th June 2015	Mepco Schlenk Engineering College, Sivakasi
Transformers	5 th – 10 th October 2015	NIT Uttarakhand
Academic Reforms in NIT Tiruchirappalli	23 rd January 2016	IIT Madras, Chennai
Power System Protection	29 th February 2016	M. Kumarasamy College of Engineering, Karur

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Solar PV Systems and Power Quality Issues	21 st September 2016	Karpagam University, Coimbatore
Selection of Electrical Machines for Wind Energy Conversions Systems	07 th October 2016	Kalasalingam University, Krishnankoil

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	MISTE	LM 38233
Member	IEEE	92598381

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Canada	9 th June – 9 th July 2008	Visiting Researcher
Malaysia	21 st – 22 nd June 2011	IEEE International Conference
Mauritius	9 th – 12 th September 2013	IEEE International Conference

21. Publications

- Venkatraman, K., Moorthi, S., Selvan, M.P., **Raja, P.** and Deepa Kurup, “Performance Evaluation of FPGA-Controlled DSTATCOM for Load Compensation”, Arabian Journal of Science and Engineering, Vol. 41, No. 9, September 2016, pp.3355-3367, SCI Indexed ISSN: 2191-4281.
- P. Raja**, N. Kumaresan and M. Subbiah (2014) “An Improved Delta-Star Switching Scheme for Reactive Power Saving in Three-Phase Induction Motors” *Frontiers in Energy*, DOI 10.1007/s11708-014-0324-8
- P. Raja**, M. P. Selvan and N. Kumaresan (2013) Enhancement of Voltage Stability margin in Radial Distribution System with Squirrel Cage Induction Generator based DGs. *IET Generation, Transmission and Distribution*, 7(8), 898-906.
- P. Raja**, N. Kumaresan and M. Subbiah, “A Closed Loop System for Inverter Assisted Wind Driven Induction Generators for Supplying Isolated Loads” *International Review of Automatic Control (Theory and Applications)*, Vol.5, No.4, July 2012, pp. 490-497.
- P.Raja**, N. Kumaresan and M. Subbiah, “Grid-connected Induction Generators using Delta-Star Switching of the Stator Winding with a Permanently Connected Capacitor”, *International journal of Wind Engineering*, Vol.36 , No.2, 2012, pp.219-232.
- R. Karthigaivel, N. Kumaresan, **P. Raja** and M. Subbiah, “A novel unified approach for the analysis and design of Wind-driven SEIGs using nested GAs”, *International journal of Wind Engineering*, Vol.33 , No.6, 2009, pp.631-647.

(B) Conferences/Workshops/Symposia Proceedings

- S. Dhinesh Kumar, **Raja P** and Moorthi S “Self-adaptive differential relaying for power transformers using FPGA”, *Proceedings of the IEEE Conference (CATCON 2015)*, 10-12 December 2015, Bangaluru.
- S. Venkata Hareesh, **Raja P** and Selvan M P “An Effective Implementation of Phasor Measurement Unit (PMU) by using Non-Recursive DFT Algorithm”, *Proceedings of the IEEE Conference (CATCON 2015)*, 10-12 December 2015, Bangaluru.

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3. Sabyasachi Behera, **Raja P** and Moorthi S “Modelling and simulation of the impact of SVC on existing distance relay for transmission line protection”, Proceedings of the IEEE Conference (CATCON 2015), 10-12 December 2015, Bangaluru.
4. Adil Abdul Hameed, Ankush Gupta, AS Kiranraj and Ashwini Devendran G, **Raja P**, “Modeling and implementation of impedance based fault locator for medium transmission line”, Proceedings of the IEEE Conference (CATCON 2015), 10-12 December 2015, Bangaluru.
5. [A. S. Ramya](#), [N. Periyasamy](#), [A. Vidhya](#), [S. Sundrapandian](#) **Raja P**, “Design and development of a GUI for an optimal hybrid energy system”, Proceedings of the Power Systems Conference (NPSC), 2014.
6. Shashank Kumar De, **Raja P**, “A Study on Relay Coordination in a Distribution System with Distributed Generation and Hybrid SFCL”, Proceedings of the IEEE Conference (AFRICON 2013), 9-12 September 2013, Mauritius.
7. Sreeram M and **Raja P**, “Implementation of DSP Based Numerical Three-Step Distance Protection Scheme for Transmission Lines”, Proceedings of the IEEE India Conference (INDICON 2013), 13-15 December 2013, Mumbai, India.
8. Ashwini Devendran G, Jaikumar M and **Raja P**, “A Simple Methodology for the Steady State Analysis of Doubly Fed Induction Generator”, Proceedings of the IEEE India Conference (INDICON 2012), 7-9 December 2012, Kerala, India.
9. S.Ranjith Kumar, **P.Raja** and M.P.Selvan , “Virtual Laboratory Environment using MATLAB-GUI for Teaching of Induction Generators”, Proceedings of the IEEE India Conference (INDICON 2012), 7-9 December 2012, Kerala, India.
10. Sree Ramya and **Raja P**, “Estimation and Performance Evaluation of an Induction Machine using Optimization Techniques”, Proceedings of the IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2012), 16th – 19th December 2012, Bangaluru, India.
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