

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

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Tiruchirappalli	Oct 2022	Present
Assistant Professor	Nirma University	Nov 2020	Oct 2022
Assistant Professor	CMR Institute of Technology	Jan 2014	July 2014
Assistant Professor	Graphic Era Hill University	July 2012	Jan 2014

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	Indian Institute of Technology Roorkee	2021	First Class with Distinction	Electrical Engineering
M.Tech	National Institute of Technology Calicut	2012	First Class with Distinction	Power Electronics
B.Tech	Govt. Engineering College Thrissur	2009	First Class	Electrical and Electronics Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Departmental Coordinator, Extension Activities	Department of Electrical Engineering, Nirma University	July 2021	Oct 2022
Departmental Timetable Committee Member	Department of Electrical Engineering, Nirma University	July 2021	Oct 2022
Departmental Newsletter Coordinator	Department of Electrical Engineering, Nirma University	July 2021	Oct 2022

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Student Chair	IEEE IAS Student Branch Chapter, IIT Roorkee	Aug 2019	Nov 2020

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Reviewer	IEEE Transactions on Industrial Electronics, Industrial Informatics, Power Electronics, Transportation Electrification	2018 onwards	-
Organizing Committee member	National Conference on Microwave and Remote Sensing held at Graphic Era Hill University, Dehradun	2013	-

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2020	IEEE IAS Student Travel Grant	IEEE Industry Applications Society
2017	IEEE STPA Award	IEEE Industrial Electronics Society
2003	Certificate of Merit	CBSE

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2015	MHRD Fellowship	MHRD	Jan 2015	Jan 2020

13. Details of Academic Work

(i) Curriculum Development

- a. Course Syllabus Preparation for M.Tech in Electric Vehicular Technology, EE, Nirma University

(ii) Courses taught at Postgraduate and Undergraduate levels

- a. Automotive Power Electronics (PG)
- b. DC Drives (UG)
- c. Transformers and DC Machines (UG)
- d. Power Electronics and Converter Applications (UG)
- e. Network Analysis and Synthesis (UG)
- f. Elements of Electrical & Electronics Engineering (UG)
- g. Electromechanical Energy Conversion (UG)
- h. Electric Drives (UG)
- i. Power Electronics Laboratory (UG)
- j. Electric Machines Laboratory (UG)
- k. Electronic System Design Laboratory (UG)

(iii) Projects guided at Postgraduate level

- a. Simulation Study on Multi-pulse Variable Frequency Drive

(iv) Other contribution(s)

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14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Fabrication of Bi-Directional Converter for Vehicle-Grid Interface	Nirma University	Apr 2021	Apr 2022	Completed

15. Number of PhDs guided

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

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
Dec 2013- Jan 2014	QIP Sort-term Course on Multilevel Inverter and its applications	National	Participant	MHRD	IIT Roorkee
July 2022	GIAN course on Electric Machines and Drives in Electrified Transportation Systems	National	Participant	GIAN	IIT Gandhinagar

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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

18. Invited Talks delivered

Topic	Date	Inviting Organization
Grid Integration Techniques or Electric Vehicles: Challenges, Opportunities G2V and V2G Applications	19 Sep 2020	Saintgits College of Engineering, Kottayam

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date

20. Academic Foreign Visits

Country	Duration of Visit	Programme

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21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Jose Thankachan, S. P. Singh	Bidirectional multiport solar-assisted SRM drive for pure electric vehicle applications with versatile driving and autonomous charging capabilities	IET Electric Power Applications	14	570-583	2019	2.00
N V Naik, Jose Thankachan, S.P. Singh	A neuro-fuzzy direct torque control using bus-clamped space vector modulation	IETE Technical Review	33	205-217	2016	1.932

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Jose Thankachan, S. P. Singh	A Wide Speed Operable Multiport Solar-assisted SRM EV Drive with Integrated Driving/Charging Capabilities	2020 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)	1-6	Power Electronics, Drives and Energy Systems	MNIT Jaipur	2020
Jose Thankachan, S. P. Singh	A Reduced Switch Multiport Converter Drive for Solar-assisted SRM EV with Integrated Driving and Charging Features	2020 IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy (PESGRE2020)	1-6	Power Electronics, Smart Grid and Renewable Energy	Kochi	2020

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Jose Thankachan, S. P. Singh	A Multiport Solar-assisted SRM Drive for HEV Applications	2019 IEEE Power and Energy Conference at Illinois (PECI)	1-6	Power and Energy	Illinois	2019
Jose Thankachan, S. P. Singh	Solar powered high performance switched reluctance motor for EV applications	2017 IEEE 15th International Conference on Industrial Informatics (INDIN)	389-395	Industrial Informatics	Germany	2017
KV Shihabudheen, Nimmi George, KA Chinmaya, Jose Thankachan	Stability control and trajectory tracking of two wheeled mobile manipulator	2015 Annual IEEE India Conference (INDICON)	1-6	INDICON	Delhi	2015
KV Shihabudheen, Jose Thankachan, C Vasista	SDRE control of flexible beam manipulator	2015 International Conference on Soft Computing Techniques and Implementations (ICSCTI)	148-154	Soft Computing Techniques	Delhi	2015
Jose Thankachan, Saly George	A novel switching scheme for Three phase PWM AC Chopper fed induction motor	2012 IEEE 5th India International Conference on Power Electronics (IICPE)	1-4	Power Electronics	Delhi	2012

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number