

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

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	VNIT Nagpur	2023	N/A	Electrical Engineering
M.Tech.	NIT Tiruchirappalli	2013	8.27	Power Systems
B.E.	CSVTU Bhilai	2010	8.27	Electrical and Electronics Engineering
HSC/12 th	CGBSE, Raipur	2006	1 st	Physics, Chemistry, Mathematics
SSC/10 th	CGBSE, Raipur	2004	1 st	Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Anti-ragging Committee	Institute	02/08/2024	-
PG Admissions, M.Tech. (Power Systems)	EEE, NIT Tiruchirappalli	07/08/2024	07/08/2024
PhD/ MS Admission Committee	EEE, NIT Tiruchirappalli	01/06/2024	-
Examiner for B.Tech. Project Viva-Voce, January 2024	EEE, NIT Tiruchirappalli	07/05/2024	07/05/2024

10. Academic/Administrative Responsibilities outside the University: N/A

Position	Institution	From	To

11. Awards, Associateships etc.: N/A

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2019-22	Ph.D. Fellowship	MHRD	Jan-2019	Dec-2022
2011-13	M.Tech. Fellowship	MHRD	Aug-2011	June-2013

13. Details of Academic Work

(i) Curriculum Development

- Power System Computation Laboratory
- Cybersecurity of Smart Grids
- Home Energy Management Systems

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(ii) Courses taught at Postgraduate and Undergraduate levels

- Undergraduate Courses: Basics of Electrical and Electronics Engineering, EHV AC & DC Transmission, Electrical Machines (Theory & Lab), Power System Analysis, Circuit Theory, Power System Protection Lab, High Voltage Engineering Lab.
- Post-Graduate Course: Power System Computation Lab, Data Science Lab, Power Electronics and Drives Lab

(iii) Projects guided at the Postgraduate level

- Pawan Rajak, Green Hydrogen as an Energy Storage System (Ongoing)
- Shishir Kumar, Wide Area Monitoring Systems (Ongoing)

(iv) Other contribution(s)

- Active reviewer for reputed journals like Renewable and Sustainable Energy Reviews, Applied Energy, CSEE Journal of Power and Energy Systems, IEEE Access, Cluster Computing, and Electrical Engineering.
- Active reviewer for conferences like IBSSC (2022,2023), INDICON 2022, ICPC2T (2022,2024), STPEC (2020,2021,2023), SEFET 2024

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ 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

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

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18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Member	IEEE	96119920 (2019-present)

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Dipanshu Naware , Arghya Mitra	Data-driven Technology Applications in Planning, Demand-side Management, and Cybersecurity for Smart Household Community	IEEE Transactions on Artificial Intelligence			2024	
Shahare, Kamini, Arghya Mitra, Dipanshu Naware , Ritesh Keshri, and H. M. Suryawanshi	Performance analysis and comparison of various techniques for short-term load forecasting	Energy Reports	9	799-808	2023	
Naware, Dipanshu , Raviteja Badigenchala,	Impact of demand response on battery energy storage	Journal of Energy Storage	52	104915	2022	

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Arghya Mitra, and Debapriya Das	degradation using gbest-guided artificial bee colony algorithm with forecasted solar insolation					
Thogaru, Ram Babu, Dipanshu Naware , Arghya Mitra, and Jeetendra Chaudhary	Resiliency-Driven Approach of DC Microgrid Voltage Regulation Based on Droop Index Control for High Step-Up DC-DC Converter	International Transactions on Electrical Energy Systems	2022	3676438	2022	
Naware, Dipanshu , and Arghya Mitra	Weather classification-based load and solar insolation forecasting for residential applications with LSTM neural networks	Electrical Engineering	104	347-361	2022	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Dipanshu Naware , Saransh Chourey, Hira Singh Sachdev	Techno-economic Aspects of Energy Storage System for Residential Microgrid Applications with Green Hydrogen	International Conference on Sustainable Power and Energy Research (ICSPER-2024)			NIT Warangal	2024
Naware, Dipanshu , Hira Singh Sachdev, and Saransh Chourey	Investigating the Role of Data Preprocessing for Load Demand Forecasters in Smart	Third International Conference on Power, Control and Computing	333-338		NIT Raipur	2024

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	Household Applications	Technologies (ICPC2T)				
Turk, Ana, Aysegül Kahraman, Guangya Yang, George Sideratos, Alexandros Paspatis, Panos Kotsampopoulos, Kamini Shahare, Arghya Mitra, and Dipanshu Naware	Deployment of forecasting tools in diverse demonstration areas to improve energy scheduling of microgrids.	CIRED	2170-2174			2023
Badigenchala, Raviteja, Dipanshu Naware , and Arghya Mitra	Modelling of Lithium-ion Battery Ageing for a Local Energy Community	International Conference on Intelligent Technologies (CONIT),	1-6		K. L. E. Institute of Technology, Hubballi (KA)	2021
Fatnani, Megha, Dipanshu Naware , and Arghya Mitra	Design of solar PV based EV charging station with optimized battery energy storage system	IEEE First International Conference on Smart Technologies for Power, Energy and Control (STPEC)	1-5		VNIT Nagpur	2020

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Ram Babu Thogaru, Dipanshu Naware , Venkata Prasad Papan, and Balasubbarreddy Mallala	“Conceptualizing G2V and V2G Modes of Electric Vehicles for Energy Management in DC Microgrid Coupled with Demand Response” in Renewable Energy for Plug-In Electric Vehicles: Challenges, Approaches, and	Elsevier	2024	9780443289569

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	Solutions for Grid Integration			
Shahare, Kamini, Dipanshu Naware , Arghya Mitra, and Ritesh Keshri.	“Smart load forecasting methodologies” in Smart Metering Infrastructure, Methodologies, Applications, and Challenges	Elsevier	2024	978-0-443-15317-4
Naware, Dipanshu , Ram Babu Thogaru, and Arghya Mitra	“Integration of Renewable Sources and Energy Storage Devices” in Planning of Hybrid Renewable Energy Systems, Electric Vehicles and Microgrid: Modeling, Control and Optimization	Springer	2022	978-981-19-0979-5