Dr. Nitesh Tiwari

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Personal Details

Date of Birth: 11-03-1994
Father Name: Sri Radha Raman Tiwari
Mother Name: Smt. Anju Devi
Marital Status: Unmarried
Languages: English, Hindi
Nationality: Indian

Professional & Academic Qualifications

Examination	Discipline	Board/University	Year of Passing
Ph.D.	Electrical Engineering	MMMUT Gorakhpur	2023
M. Tech	Electrical Engineering	MMMUT Gorakhpur	2018
B. Tech	Electrical & Electronics Engineering	AKTU Lucknow	2015
Intermediate	PCM	UP Board	2010
High school	Science	UP Board	2008

Thesis/ Academic Project

Ph.D. - Intelligent Control Aspects of Electric Vehicle Drives and Charging Infrastructure (Supervisor – Dr. Shekhar Yadav, Co-Supervisor - Prof. Sabha Raj Arya)

M.Tech - Speed Control and Energy Management of EV/HEV using PID and Fuzzy Logic Controller (Supervisor – Prof. A. N. Tiwari)

B.Tech - Hardware project on the topic "Smart City: A Next Generation Technology (Supervisor – Ms. Vidushi Gupta)

Professional Experience

Assistant Professor, KIPM College of Engineering and Technology, Gorakhpur, Since, 28-June-2018 to till date.

Responsibilities (Administrative Experience)

- Member of AICTE Committee, KIPM CET Gorakhpur
- Member of NBA Committee, KIPM CET Gorakhpur
- Member of Editorial Board, KIPM CET Gorakhpur
- NSS Coordinator, KIPM CET Gorakhpur
- Startup Activity and YUKTI Coordinator
- Publication Co-Coordinator
- Class Coordinator, EED, KIPM CET Gorakhpur
- Project Coordinator, EED, KIPM CET Gorakhpur
- Time Table Coordinator, EED, KIPM CET Gorakhpur
- Lab In-charge of Electrical Machine Lab, EED, KIPM CET Gorakhpur
- Member of Innovation Cell, KIPM CET Gorakhpur
- Coordinator "ELECTROMENIA" at the TECHVOYM, SRMSCET Bareilly
- Coordinator "VIDUT UTPADAN" at the TECHVOYM, SRMSCET Bareilly

Simulators

1. MATLAB/SIMULINK
2. PSPICE
3. LABVIEW

Membership

- Professional Member of Automatic Control & Dynamic Optimization Society since 2021 to till date.
- Associate Member of the International Society for Development and Sustainability (ISDS) since 2022.
- Member of the Editorial Board of the international journal "Advances in Environment and Energies" (ISSN: 2833-6046) since 2022.

Reviewer

- International Journal of "Optimal control, applications and methods", Wiley online library. (SCIE).
- International Journal of Power Electronics and Drive Systems (IJPEDS) (ESCI).

<table>
<tr><td>Resource Person</td><td colspan="6">➢ ATAL Online 6 Day Faculty Development Programme (FDP) “Role of Power Electronics in Electrical Vehicle Technology”, Organized by Department of Electrical and Electronics Engineering, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India. (Date - 25-11-2024 to 25-11-2024), (1730528217).</td></tr>
<tr><td rowspan="2">External Funded Project</td><td>PI’s</td><td>Title</td><td>Funded Agency</td><td>Duration</td><td>Amount</td><td>Status</td></tr>
<tr><td>S. Yadav, P. Tiwari, A. Kumar, and N. Tiwari</td><td>Design and Development of Intelligent Controller for Solar-powered based Electric Boat and its Charging System for Ramgarh Taal/ Rapti River of Gorakhpur</td><td>CSTUP</td><td>3 Years (2024-2027)</td><td>19.08 Lakh</td><td>Running</td></tr>
<tr><td>Publications in International Journal (SCI/SCIMago)</td><td colspan="6">
1. S. Kaul, N. Tiwari, S. Yadav, and A. Kumar, “Comparative Analysis and Controller Design for BLDC Motor Using PID and Adaptive PID Controller” Recent Advances in Electrical & Electronic Engineering, vol. 14, no. 6, pp. 671-682, 2021. ISSN-2352-0973. (doi.org/10.2174/2352096514666210823152446).
2. N. Tiwari, S. Yadav, and S.R. Arya, “Speed Control of Battery and Supercapacitor Powered EV/HEV using PID and Fuzzy Logic Controller” International Journal of Innovative Computing and Applications, vol. 13, no. 2, pp. 97-114, 2022. ISSN-1751-6498. (doi.org/10.1504/IJICA.2022.123225).
3. N. Tiwari, S. Yadav, and S.R. Arya, “Battery and super capacitor powered energy management scheme for EV/HEV using fuzzy logic controller and PID controller” International Journal of Power Electronics, vol. 15, no. 3-4, pp. 309-333, 2022. ISSN- 1756-6398. (doi.org/10.1504/IJPELEC.2022.122411).
4. N. Tiwari, S. Yadav, and S.R. Arya, “A Comprehensive Review of Indian Market Scenario and Motor Used in Electric Vehicle”, Recent Advances in Electrical & Electronic Engineering, vol. 16, no.4, pp. 347–361, 2023. ISSN- 2352-0973. (doi.org/10.2174/2352096516666221130145206).
5. N. Tiwari, S. Yadav, and S.R. Arya, “Multi-objective metaheuristic optimised PI gains of model reference adaptive controlled induction motor drive for electric vehicle”, International Journal of Vehicle Performance, vol. 9, no.3, pp. 272-289, 2023. ISSN- 1745-3208. (doi.org/10.1504/IJVP.2023.131973).
6. A. Saxena, A. Gupta, N. Tiwari “Design and Implementation of Adaptive and Artificial Intelligence Controller for Brushless Motor Drive Electric Vehicle”, SAE International Journal of Electrified Vehicles, vol. 13, no.1, pp. 37-48, 2023. ISSN- 2691-3755. (doi.org/10.4271/14-13-01-0003).
7. S. Patel, S. Yadav, N. Tiwari, “Design and Optimization of PI Controller for Multiple-Output Wireless Electric Vehicle Charger”, Recent Advances in Electrical & Electronic Engineering, vol. 16, no. 6, pp. 600-610, 2023. ISSN- 2352-0973. (doi.org/10.2174/2352096516666230417084431).
8. N. Tiwari, S. Yadav, and S.R. Arya, “PI Gain Optimisation and Artificial Intelligence based Direct Torque Control of Induction Motor Equipped Electric Vehicle Drives”, International Journal of Electric and Hybrid Vehicles, vol. 15, no. 2, pp. 151-182, 2023. ISSN- 1751-4096. (doi.org/10.1504/IJEHV.2023.132034).
9. U. Shukla, S. Yadav, N. Tiwari, A. Priyadarshini, “Optimisation of PI Controller for Design and Modelling of Cuk, Forward, and SEPIC Converter”, International Journal of Power Electronics, vol. 18, no. 2, pp. 201-234, 2023. ISSN-1756-6398. (10.1504/IJPELEC.2023.10053523).
10. N. Tiwari, S. Yadav, and S.R. Arya, “Artificial Intelligence and PI Gain Optimisation for Sensorless Indirect Vector Control of Induction Motor-based Electric Vehicle Drives”,
</td></tr>
</table>

	International Journal of Ambient Energy, vol. 45, no. 1, pp. 1-18, 2024. ISSN- 2162-8246. (https://doi.org/10.1080/01430750.2024.2315485) **11.** S. Patel, S. Yadav, **N. Tiwari**, "Performance Improvement of BLDC Motor Based Electric Vehicle Drive Using Metaheuristic Optimizations", ***Accepted*** *in International Journal of Powertrains.* ISSN- 1742-4275, 2024. **12.** A. Priyadarshini, S. Yadav, **N. Tiwari** "Buck Converter Based Transformer-less Electric Vehicle Charger Using Artificial Intelligence Controllers", *International Journal of Powertrains*, vol. 13, no. 2, pp. 156-177, 2024. ISSN- 1742-4275. (10.1504/IJPT.2024.140132) **13.** S. Patel, S. Yadav, **N. Tiwari**, "Direct Torque Control Based Brushless Direct Current Motor Drive for Efficient Electric Vehicle by Using Deep Learning Controller" ***Accepted*** *in SAE International Journal of Connected and Automated Vehicles.* ISSN- 2574-075X. **14.** A. Singh, S. Yadav, **N. Tiwari**, D. K. Nishad and S. Khalid "Optimized PID controller and model order reduction of reheated turbine for load frequency control using teaching learning-based optimization", *Scientific Reports – Nature*, vol. 15, no. 1, pp. 1-34, 2025. ISSN- 2045-2322. (https://doi.org/10.1038/s41598-025-87866-z) **15. N. Tiwari,** S. Yadav, and S.R. Arya, "Vehicle Condition, Parking, Communication, Charging, and Energy Management scheme for Internet of Things (IoT) Based Smart Electric Vehicle" ***Communicated*** *in Serbian Journal of Electrical Engineering.* ISSN-2217–7183. **16.** N. Tiwari, S. Yadav, and S. R. Arya, "Multi-Control Multi-Objective Optimization for Bidirectional Electric Vehicle Charging Station with Improved Power Quality" ***Communicated*** *in Circuit World (Emerald Publishing)*. ISSN- 0305-6120. **17.** A. Priyadarshini, S. Yadav, **N. Tiwari** "Deep Learning based Multioutput Fast Charger for Electric Vehicle", ***Communicated*** *in SAE International Journal of Electrified Vehicles.* ISSN- 2691-3755. **18.** A. Singh, S. Yadav, S. Patel, and **N. Tiwari**, "Deep Learning-Based Controller Design and Performance Enhancement of BLDC Motor Drive for EV Technology", ***Communicated*** *in* Engineering Research Express. ISSN- 2631-8695. **19. N. Tiwari**, V. Sharma, A. K. Pandey, A. Sharma, S. Yadav, A. K. Maurya, and P. K. Srivastava, "Novel Hardware Design and Control of Multifunctional Wireless Amphibious Robot", ***Communicated*** *in International Journal of Systems, Control and Communications.* ISSN- 1755-9359. **20.** A. Singh, S. Yadav, and **N. Tiwari**, "Model Order Reduction of Process Intensified Systems Using Nature-Inspired Metaheuristic Optimization of PID Controller", ***Communicated*** *in International Journal of Systems, Control and Communications.* ISSN- 1755-9359. **21.** A. Singh, S. Yadav, and **N. Tiwari**, "Performance Enhancement of DC Motor Drive for Electric Vehicle Application by Using Deep Neural Network", ***Communicated*** *in e-Prime - Advances in Electrical Engineering, Electronics and Energy*. ISSN-2772-6711. **22.** A. Singh, S. Yadav, and **N. Tiwari**, "Deep Learning-Based Controller Design and Performance Enhancement of BLDC Motor Drive for Electric Vehicle Technology", ***Communicated*** *in International Journal of Powertrains.* ISSN- 1742-4275.
	1. A. Dwivedi, **N. Tiwari**, S. Mishra, and N. Prajapati "Analysis of Different Method used in Reactive Power Compensation: A Review" *International Journal of Electrical Power System and Technology*, Vol. 7, no 1, pp. 1-12, 2021. ISSN - 2455–7293. **2.** A. Dwivedi, **N. Tiwari**, K. Tripathi and S. Baudh, "Types of Motors Used in Electric Vehicles", *Journal of Control & Instrumentation*, Vol 11, no 2, pp 1-9, 2020. ISSN: 2229-6972. (https://doi.org/10.37591/joci.v11i2.4233).

<table>
<tr><td>Publications in International Journal (Non-SCI)</td><td colspan="6">
3. A. Sahani, H. Singh, A. Dwivedi and N. Tiwari, “A Review of The Power Source Used to Operate the Electrical Vehicles”, I-manager’s Journal on Electrical Engineering, Vol. 13, no. 2, pp. 40-49, 2019. ISSN-2230-7176. (https://doi.org/10.26634/jee.13.2.15894).
4. N. Singh, A. Sharma, A. Dwivedi and N. Tiwari, “Internet of Things (IoT) based Home Automation: A Review” I-manager’s journal on digital signal processing (JDP), vol. 6, no. 4, pp. 20-27, 2019. ISSN-2322-0368. (https://doi.org/10.26634/jdp.6.4.15955).
5. A. Dwivedi, P. Rajbhar and N. Tiwari, “Long Distance Power Transfer Technique: A Review” Journal of mechatronics and Robotics, Vol. 3, pp. 208-214, 2019. ISSN-2617-0353. (https://doi.org/10.3844/jmrsp.2019.208.214).
6. A. Dwivedi, D. Kumar and N. Tiwari, “A Review on Electric Traction using WE System” Journal of mechatronics and Robotics, Vol 3, pp. 122-128, 2019. ISSN-2617-0353. (https://doi.org/10.3844/jmrsp.2019.122.128).
7. H. Pathak, A. Chandra, A. Dwivedi and N. Tiwari, “Modernization of Google Assistant Automation System” International Transaction on Engineering & Science, Vol. 1, no. 3, pp. 22-26, 2019.
8. A. Kumar, A. Gond, A. Dwivedi and N. Tiwari, “Wireless Power Transfer for Application of Electrical Vehicle” International Transaction on Engineering & Science, Vol 1, no. 3, pp. 11-15, 2019.
9. N. Tiwari, A. K. Maurya, P. Mani, A. K. Shrivastava, A. Yadav, S. Yadav, and P. K. Srivastava, “IoT-Based Controlling of Motor and Water Flow Rate Measurement for Home and Industrial Applications”, Communicated in Student Project Reporting.
</td></tr>
<tr><td rowspan="2">Summary of Publication (Published /Accepted)</td><td>SCI/SCIMago</td><td>Non-SCI</td><td>Book</td><td>Chapter</td><td>International Conference</td><td>National Conference</td></tr>
<tr><td>14</td><td>8</td><td>5</td><td>4</td><td>13</td><td>1</td></tr>
<tr><td rowspan="2">Summary of Publication (Communicated)</td><td>SCI/SCIMago</td><td>Non-SCI</td><td>Book</td><td>Chapter</td><td>International Conference</td><td>National Conference</td></tr>
<tr><td>8</td><td>1</td><td>1</td><td>2</td><td>0</td><td>0</td></tr>
<tr><td>Publications in International / National Conference</td><td colspan="6">
1. N. Tiwari and A.N. Tiwari, “Introduction of the Internet of Things into the Smart Electric Vehicle: A Review” National conf., recent advancement of electrical and electronics engineering, pp. 1-5, 2018.
2. N. Tiwari and A.N. Tiwari, “Performance Analysis of Unidirectional and Bidirectional Buck-Boost Converter using PID Controller” 2nd IEEE international conf. on electronics, material engineering & nano technology, pp. 1-6, 2018. ISSN - 978-1-5386-5550-4. (10.1109/IEMENTECH.2018.8465229)
3. N. Tiwari and A.N. Tiwari, “Design and Control of Buck Converter using PID and Fuzzy Logic Controller” 1st IEEE International Conf. on Power Energy, Environment and Intelligent Control (PEEIC), pp 560-567, 2018. ISSN - 978-1-5386-2341-1 (10.1109/PEEIC.2018.8665621)
4. A Dwivedi, N Tiwari, A. Kumar and S. K. Agrawal, “Analysis of AC-to-AC Converter with Different Technology: A Survey”, 2020 International Conference on Electrical and Electronics Engineering (ICE3-2020), pp. 332-336, 2020. ISSN - 978-1-7281-5846-4 (10.1109/ICE348803.2020.9122895)
5. S. Kaul, S. Yadav, N. Tiwari, and A. Singh, “Deep Learning-based Advancement in Fuzzy Logic Controller”, International Conference on Artificial Intelligence and Smart Communication, (AISC), pp. 1239-1245, 2023. ISBN:979-8-3503-2230-9. (10.1109/AISC56616.2023.10085358)
6. A. Priyadarshini, S. Yadav, N. Tiwari “A Review of Architecture, and Topologies Used for Electric Vehicle Charging Stations”, 3rd Conference on Flexible Electronics for Electric Vehicles (FlexEV-2022), pp. 51-62. Springer, (2022). ISBN:978-981-99-4795-9. (https://doi.org/10.1007/978-981-99-4795-9_6)
</td></tr>
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	7. S. Patel, S. Yadav, **N. Tiwari** "A Comprehensive Review of Wireless Electric Vehicle Charger", *3rd Conference on Flexible Electronics for Electric Vehicles (FlexEV-2022)*, pp. 589-598. Springer, (2022). ISBN:978-981-99-4795-9. (https://doi.org/10.1007/978-981-99-4795-9_55) **8.** A. Singh, S. Yadav, S. Chaturvedi, **N. Tiwari,** A. Singh, "Sliding Mode Control-Based LQR Design for Two-Link Robot Manipulator", ***Accepted*** *International Conference on Computational and Experimental Methods*, pp. 1-10, 2023. **9.** U. Shukla, S. Yadav, **N. Tiwari,** A. Priyadarshini "Compressive Review on AC-DC, DC-DC, DC-AC-DC Converters Used for Electric Vehicle and Charging Stations", *2nd International Conference on Sustainable Technology and Advanced Computing in Electrical Engineering (ICSTACE 2023)*, pp. 569-588, 2023. ISBN: 978-981-99-6749-0. (https://doi.org/10.1007/978-981-99-6749-0_38) **10. N. Tiwari,** R. Chander, V. Dubey, S. Upadhyay, A. P. Singh, P. K. Srivastava, and S. Yadav, "Hardware Designing and Modeling of Joystick based Electric Wheelchair Drive", *International Conference on Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development*, pp. 241-247, 2023. ISBN: 978-81-965621-8-2. (https://doi.org/10.21467/proceedings.161.27) **11.** A. Soni, P. K. Srivastava, **N. Tiwari,** and A. N. Tiwari, "Modeling and Control of Small-Scale Distributed Generation System based on Wind PV and Battery", *International Conference on Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development*, pp. 187-196, 2023. ISBN: 978-81-965621-8-2. (https://doi.org/10.21467/proceedings.161.21) **12.** A. Priyadarshini, S. Yadav, **N. Tiwari** "A Comprehensive Review on Battery Thermal Management System for Electric Vehicles" ***Accepted*** *in International Conference on Future Power Network and Smart Energy Systems: Issues and Challenges* **13.** S. Patel, S. Yadav, **N. Tiwari** "Multifaceted Battery Charging Systems for Electric Vehicles", ***Accepted*** *International Conference on Energy Transition and Innovations in Green Technology*.
Book	**1.** A. Singh, **N. Tiwari,** and S. Yadav, "Model Order Reduction of Power System Application" *Lambert Academic Publishing*, pp. 1-64, 2021 (ISBN 6203464465). **2.** P. Shahi, **N. Tiwari,** and S. Yadav, "Design and Implementation of Image Analysis for Melanoma Skin Cancer" *Lambert Academic Publishing*, pp. 1-52, 2021 (ISBN 6203472123). **3. N. Tiwari**, and S. Yadav, "Electric Vehicle (Green and Sustainable Transportation)", S. K. Kataria & Sons, pp. 1-286, 2023. (ISBN 9788196358907). (1st Edition) **4. N. Tiwari**, and S. Yadav, "Electric and Hybrid Vehicles (Green and Sustainable Transportation)", S. K. Kataria & Sons, pp. 1-286, 2024. (ISBN 9788196358907). (2nd Edition). **5. N. Tiwari**, S. Yadav, and V. K. Giri, "Fundamentals of Drone/UAV Technology (Design, Hardware, Innovation and Operational Insights)", S. K. Kataria & Sons, pp. 1-396, 2025. (ISBN 9788198247018). **6. N. Tiwari,** S. Yadav, and S. R. Arya, "Electric Motor Drives for Electric Vehicle Applications", ***Progress in*** *Bentham Science Publishers*, 2024.
Book Chapters	**1.** N. Verma, **N. Tiwari** and S. Kumar, "Analysis and Application of Power Amplifier to Biomedical Instrumentation", ***Accepted*** *in Advanced Research in Electronic Devices for Biomedical and mHealth (apple academic press).* 2023. *ISBN: 9781774915165* **2.** R. Kumar, **N. Tiwari**, and A. Singh, "Harmonics Reduction by Distributed Power Flow Control Using FACTs Devices in Power Supply" ***Accepted*** *in Recent Advances in Energy Systems, Power and Related Smart Technologies (Springer Nature), 2024.* ISSN- 978-3-031-29585-0. (doi.org/10.1007/978-3-031-29586-7_9).

<table>
<tr><td></td><td colspan="5">3. N. Tiwari, A. K. Maurya, A. K. Mishra, S. Gupta, and A. Chaurasiya, “Solar Power Based Wireless Electric Vehicle Charging Station”, Accepted in Electric Motor Drives for Electric Vehicle Applications (Bentham Science Publishers).
4. S. Patel, N. Tiwari, C. M. Chaurasiya, G. Kumar, R. P. and S. Agrawal, “Hardware Design and of Solar Panel based Electric Bicycle”, Accepted in Electric Motor Drives for Electric Vehicle Applications (Bentham Science Publishers).
5. N. Tiwari, S. Yadav, and S. R. Arya, “Integration of Distributed Energy Resources in Power Systems” Communicated in Custom Power Devices for Efficient Distributed Energy System.
6. A. Singh, N. Tiwari, S. Kumar, and S. Yadav, “Artificial Neural Network Based Wind Speed Forecasting in Smart Grid”, Communicated in Advanced Power Electronics Converters for Future Renewable Energy Systems (CRC Press Taylor & Francis Group).</td></tr>
<tr><td>Presented papers at National/ International Conferences</td><td colspan="5">1. N. Tiwari and A.N. Tiwari, “Introduction of the Internet of Things into the Smart Electric Vehicle: A Review” National conf., recent advancement of electrical and electronics engineering, pp. 1-5, 2018.
2. N. Tiwari and A.N. Tiwari, “Performance Analysis of Unidirectional and Bidirectional Buck-Boost Converter using PID Controller” 2nd IEEE international conf. on electronics, material engineering & nano technology, pp. 1-6 2018. ISSN - 978-1-5386-5550-4 (4-5 May 2018)
3. N. Tiwari and A.N. Tiwari, “Design and Control of Buck Converter using PID and Fuzzy Logic Controller” 1st IEEE International Conf. on Power Energy, Environment and Intelligent Control (PEEIC), pp 560-567, 2018. ISSN - 978-1-5386-2341-1
4. A. Priyadarshini, S. Yadav, N. Tiwari “A Review of Architecture, and Topologies Used for Electric Vehicle Charging Stations”, Accepted 3rd Conference on Flexible Electronics for Electric Vehicles (FlexEV-2022), Springer, (2022).
5. S. Patel, S. Yadav, N. Tiwari “A Comprehensive Review of Wireless Electric Vehicle Charger”, Accepted 3rd Conference on Flexible Electronics for Electric Vehicles (FlexEV-2022), Springer, (2022).</td></tr>
<tr><td>Training/ Workshop/ Short Term Courses / FDP Attended</td><td colspan="5"><table>
<tr><th>S. No.</th><th>Workshop/ Course</th><th>Title</th><th>Time Period</th><th>Organized by</th></tr>
<tr><td>1.</td><td>Course</td><td>Programming in C, C++</td><td>13-06-2013 to 10-07-2013</td><td>NIELIT Gorakhpur</td></tr>
<tr><td>2.</td><td>Course</td><td>Embedded System & Design</td><td>24-06-2013 to 19-07-2013</td><td>NIELIT Gorakhpur</td></tr>
<tr><td>3.</td><td>Course</td><td>MATLAB and Simulink</td><td>16-06-2014 to 11-07-2014</td><td>NIELIT Gorakhpur</td></tr>
<tr><td>4.</td><td>Summer Training Program</td><td>Technical Trainee</td><td>10-06-2014 to 21-07-2014</td><td>Mechanical workshop NE Railway</td></tr>
<tr><td>5.</td><td>FDP</td><td>Malaviya Research Conclave (MRC-2017)</td><td>08-07-2017 to 11-07-2017</td><td>MMMUT Gorakhpur</td></tr>
<tr><td>6.</td><td>FDP</td><td>Power system operation and control</td><td>06-05-2019 to 10-05-2019</td><td>REC Sonbhadra</td></tr>
<tr><td>7.</td><td>Course</td><td>Smart Energy System: Operation and Control</td><td>17-12-2019 to 22-12-2019</td><td>(MMMUT Gorakhpur)</td></tr>
<tr><td>8.</td><td>Workshop</td><td>Forensic and technology</td><td>13-02-2020 to 14-02-2020</td><td>MMMUT Gorakhpur</td></tr>
<tr><td>9.</td><td>FDP</td><td>Recent Innovations in Renewable Energy Technologies and Smart Grids</td><td>08-06-2020 to 12-06-2020</td><td>BIET Lucknow</td></tr>
<tr><td>10</td><td>FDP</td><td>Control of Power Electronic Converters for on Grid and off Grid Applications</td><td>03-08-2020 to 07-08-2020</td><td>SVNIT, Surat</td></tr>
<tr><td>11</td><td>STTP</td><td>Application of Artificial Intelligence in Electrical Energy Systems</td><td>17-08-2020 to 21-08-2020</td><td>NIT Srinagar</td></tr>
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	12	Workshop	Power Electronics for Electric Vehicles and Energy Systems	28-09-2020 to 03-10-2020	MMMUT Gorakhpur
	13	FDP	Advancement in Electric Vehicle Technology: A Step Towards Development of Sustainable Transportation System	18-02-2021 to 22-02-2021	SVNIT, Surat
	14	FDP	Resiliency & Reliability of Power Electronics Converters	10-02-2021 to 10-03-2021	JMI Delhi
	15	FDP	Power Electronics Challenges and Solutions for the Integration of Electric Vehicle Charging network	24-03-2021 to 26-03-2021	IIT BHU
	16	Workshop	Electric Vehicle – Grid Integration: Opportunities, Challenges and Remedial Measures	22-07-2021 to 23-07-2021	IEEE PES India Chapters Council
	17	Workshop	Cyber Security and Information Assurance	27-01-2022 to 31-01-2022	REC Sonbhadra
	18	Short Term Training	Recent Advances in Control System	25-11-2022 to 29-11-2022	MMMUT Gorakhpur
	19	Short Term Training	Recent Advances in Electric Vehicle and Energy System	19-12-2022 to 23-12-2022	MMMUT Gorakhpur
	20	ATAL FDP	Energy Management Challenges for Alternative Eco-Friendly System	23-01-2023 to 10-02-2023	MMMUT Gorakhpur
	21	ATAL FDP	Advanced Functional Materials for Clean Energy	05-08-2024 to 10-08-2024	KIPM CET Gorakhpur
	22	ATAL FDP	Challenges of Autonomous, and Electric Vehicle	27-01-2025 to 01-02-2025	MMMUT Gorakhpur

Conference Organize	1. As a **session chair** and **Organizing Member** on "International Conference on Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development" organized by MMMUT Gorakhpur, 2023. 2. As a member on **publication Committee** on "The International Conference on Energy, Functional Materials and Photonics" jointly organized by MMMUT Gorakhpur and International Association of Advanced Materials (IAAM), 2024. 3. As a member on **Technical Program Committee** on "International Conference on Energy Transition and Innovations in Green Technology" jointly organized by MMMUT Gorakhpur and Asian Institute of Technology, Bangkok, Thailand, 2024. (27/09/2024 - 28/09/2024) 4. As a **session chair** on "International Conference on Signal Processing and Advance Research in Computing (SPARC-2024)" Amity University, Lucknow, 2024.

	S. No.	**Title**	**Name of Student**	**Year**
	1	Noval Hardware Design and Control of Multifunctional Wireless Amphibious Robot	Vinit Sharma, Ankit Pandey, Anshu Sharma, Ajay Prajapati, Shivansh Kumar Upadhyay	2024
	2	Solar Power Based Wireless Electric Vehicle Charging Station	Ankesh Kumar Mishra, Sahabuddin Ali, Animesh Pandey, Shubham Gupta, Aditya Chaurasiya	2024
	3	Physical Modelling and Control of BLDC Motor based Electric Stick Scooter	Sandeep Shukla, Manohar Nath, Sandeep Yadav	2024
	4	Hybrid AC DC Microgrid Interconnection on MATLAB	Ram Chander, Vaibhav Dubey, Sarvesh Upadhyay, Aryan Pratap Singh	2023
	5	Automatic load sharing transformer with parallel using Arduino	Shubham Pandey, Gyan Prakash Gautam, Jamil Ahmed, Jamshed Ahmed	2023

Details of B.Tech Supervision	6	Power Generation by Speed Breaker	Ritesh Kumar, Rishi Muni Singh, Wasim Raza Ansari, Satypal Yadav	2023
	7	Simulation of high frequency ac to ac converter (cycloconverter) using Matlab Simulink	Nikhil Mishra, Amandeep Sharma, Mahaveer Pandey, Alok Yadav	2023
	8	Inverter With Battery Charging System	Brijesh Chaurasiya, Abhishek Kumar Singh	2022
	9	Smart Solar Street Light	Ashutosh Singh, Prakhar Srivastav, Madheshwar Vishkarma, Krishna Kant Kannaujiya	2022
	10	Design and Control of BLDC Motor Drive Electric Bicycle	Anup Pratap Mall, Dheeraj Kumar, Manoj Kumar Yadav, Suraj Maurya, Abhishek Mishra, Mo. Asif Raza, Vijay Singh, Farendra Singh	2022
	11	Designing, monitoring & controlling of electric wheelchair through gesture	Victor Vishwakarma, Akash Shahi, Ankita Paswan, Anjali Kumari, Nikita Agrahari, Ankit Rai, Saad Ahmad, Md. Rashid Ansari	2022
	12	Battery Thermal Management System of Electric Vehicle	Om Namo Narayan Tripathi, Shipra Shukla	2022
	13	Mask Ventilation with Social Distance	Manish Kumar Singh, Saurabh Singh, Amit Kumar, Govind Sharma, Jagmohan Nishad	2021
	14	Bluetooth Control Device Using Arduino	Deepak Saroj, Sunil Paswan, Sachine Kumar Dubey, Naveen Kumar Bharti, Shailesh Kumar Paswan	2021
	15	Smart Water Pump System	Jyoti Chaurasia, Vasudha Pandey, Shaniya Ashraf, Sadhana Bharati, Apoorva Shukla	2021

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Place: Gorakhpur

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