

Name	Dr. Md. Modassir Masoom													
Past Experience	Teaching Associate in the Electrical Engineering Department at Delhi Technological University, New Delhi. <table border="1" data-bbox="596 577 1351 692"><tr><th colspan="2">Period</th></tr><tr><th>From</th><th>To</th></tr><tr><td>01.07.2025</td><td>30.06.2026</td></tr></table>		Period		From	To	01.07.2025	30.06.2026						
Period														
From	To													
01.07.2025	30.06.2026													
Current Job	Assistant professor, VJTI Mumbai													
Department	Electronics department													
Post	Tenure faculty													
Date of Joining	27 th July, 2026													
Qualification	Doctor of Philosophy (PhD)													
E-mail	mmasoom@el.vjti.ac.in													
Area of Research	Power electronics converters, modelling and control of power converters, and solar power conversion.													
Subjects Taught	Control for power electronics devices and system, process control, electromagnetic fields and waves.													
Publications	<table border="1" data-bbox="466 1319 1096 1431"><tr><th colspan="2">Journal Publication</th><th colspan="2">Conference Publication</th></tr><tr><th>International</th><th>National</th><th>International</th><th>National</th></tr><tr><td>3</td><td>0</td><td>5</td><td>0</td></tr></table>		Journal Publication		Conference Publication		International	National	International	National	3	0	5	0
Journal Publication		Conference Publication												
International	National	International	National											
3	0	5	0											
Guidance	N/A													
Workshop Organized	❖ Organising committee member for a day international workshop on Sustainability through renewable energy solutions considering next-generation semiconductor devices on 2024-12-27, organised by the Centre of Excellence for Electric Vehicles and Related Technologies, Electrical Department, DTU, New Delhi, funded by the Science and Engineering Research Board (SERB), Department of Science & Technology, Government of India. ❖ Organising committee member for a day workshop on Power converter technologies for electric vehicles applications on 2023-12-26, organised by the Centre of Excellence for Electric Vehicles and Related Technologies, Electrical Department, DTU, New Delhi, funded by the Science and Engineering Research Board (SERB), Department of Science & Technology, Government of India. ❖ Organising committee member for the departmental fest organised by the Department of Electrical and Electronics Engineering, 2016.													

Conference Organized	N/A
Seminar Organized	N/A
Training Organized	N/A
Workshop Attended	❖ Attended a day workshop on Ansys software on 2025-02-20, organised by the Centre of Excellence for Electric Vehicles and Related Technologies, Electrical Department, DTU, New Delhi. ❖ Attended a one-day international workshop on Sustainability through renewable energy solutions considering next-generation semiconductor devices on 2024-12-27, organised by the Centre of Excellence for Electric Vehicles and Related Technologies, Electrical Department, DTU, New Delhi. ❖ Attended a day workshop on technical writing using LaTeX on 2024-09-10, organised by the Department of Electrical Engineering, DTU, New Delhi. ❖ Attended a day workshop on Power converter technologies for electric vehicle applications on 2023-12-26, organised by the Centre of Excellence for Electric Vehicles and Related Technologies, Electrical Department, DTU, New Delhi. ❖ Attended the short-term training program on Electric Transportation from 2018-08-20 to 2018-08-24, organised by the Department of Electrical Engineering, DTU, New Delhi. ❖ Attended a one-day Introduction to AUTOCAD workshop on 2015-08-08, organised by the Electrical and Electronics Engineering Department, SVMIT, Bengaluru. ❖ Attended a two-day workshop on Analog Electronic Circuits Lab Module, September 20th-21st, 2014, organised by the Electrical and Electronics Engineering Department, SVMIT, Bengaluru.
Conference Attended	N/A
Seminar Attended	N/A
Training Attended	❖ Undergone training for a period of two weeks in the Patratu Thermal Power Station at Jharkhand Urja Utpadan Nigam Limited, District- Ramgarh, from 2015-07-16 to 2015-07 31.
Collaboration/Interaction with outside world	N/A
Online courses completed	❖ Participated in the course entitled Recent advancements in power quality-based controllers with grid integration of renewable energy sources: design, mitigation techniques and their performance analysis at the distribution level from 2025-12-01 to 2025-12-05, organised by the Department of Electrical Engineering, DTU, New Delhi. ❖ Participated in the course entitled Role of reliability evaluation in power system planning, operation and maintenance from 2025-03-03 to 2025-03-07, organised by the Department of Electrical Engineering, DTU, New Delhi.
Research Proposal Written	
National Conference Attended	
International Conference Attended	N/A
National Papers Presented	N/A

International Papers Presented	❖ M. M. Masoom, M. Kumar and N. Kumar, Time-Multiplexed Fault-Tolerant Soft-Switched DC-DC Multiport Non-Isolated Converter, 2025 IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Jaipur, India, 2025, pp. 1-6, doi: 10.1109/SEFET65155.2025.11255042. ❖ M. M. Masoom, N. Kumar and M. Kumar, Design and Power Flow Control in Standalone PV System with Reduced Battery Current Ripple, 2023 International Conference on Power, Instrumentation, Control and Computing (PICC), Thrissur, India, 2023, pp. 1-6, doi: 10.1109/PICC57976.2023.10142520. ❖ M. M. Masoom, N. Kumar and A. R. Kulkarni, MPPT Based Grid Connected Photovoltaic System Using Flyback Converter, 2020 IEEE International Conference for Innovation in Technology (INOCON), Bengaluru, 10.1109/INOCON50539.2020.9298412. ❖ M. M. Masoom, R.K. Jena, N. Kumar and A. R. Kulkarni, "Power Management of Hybrid AC/DC Microgrid in Grid Connected and Islanded Conditions," 2021 Second International Conference for Emerging Technology (INCET), Belagavi, India, 2021, pp. 1-5, doi: 10.1109/INCET51464.2021.9456270. ❖ Manisha, M. M. Masoom and N. Kumar, Comparative Study of Nonlinear Controllers for Standalone PV System, 2021 Second International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2021, pp. 25-31, doi: 10.1109/ICESC51422.2021.9537201.
Editors of Books	N/A
Chapters Published	N/A
Patent filled	Fault-Tolerant Soft-Switched Modular Bidirectional DC-DC Multiport Converter. (Published)
Membership of Professional Body	N/A
Years of experience	1 Year