

Dr. RINCHIN W. MOSOBI
Lecturer, Electrical & Electronics Engineering
Rajiv Gandhi Govt. Polytechnic College
Itanagar, Arunachal Pradesh

E mail: rmosobi@rggp.ac.in



EDUCATIONAL QUALIFICATION:

DEGREE	INSTITUTE
Ph. D (Power Quality Analysis of Integrated Renewable Energy System)	North Eastern Regional Institute of Science and Technology (NERIST) (Under Ministry of Education, Govt. of India) Deemed to be University.
M. Tech (Power System Engineering)	North Eastern Regional Institute of Science and Technology (NERIST) (Under Ministry of Education, Govt. of India) Deemed to be University
B. E (Electrical Engineering)	Savitribai Phule Pune University (formerly University of Pune)
Higher Secondary	Govt. Higher Secondary School (GHSS) Namsai (CBSE)
Secondary	Govt. Higher Secondary School (GHSS) Namsai (CBSE)

TEACHING EXPERIENCE

24th Jan, 2020–5th September, 2022	Assistant Professor (Electrical Engineering Department) Delhi Technological University (Formerly Delhi College of Engineering) New Delhi -110009 GOVT. OF NCT OF DELHI
7th September, 2022 – till date	Lecturer (Electrical & Electronics Engineering) Rajiv Gandhi Govt. Polytechnic College, Itanagar NBA Accredited Programs: Civil Engg. and Electrical & Electronics Engg. Directorate of Higher & Technical Education GOVT. OF ARUNACHAL PRADESH
w. e. f 28th Jan, 2023	Trainer for Jal Urja Mitra Skill Development Programme Trainer ID – TR296490 Sponsored by MNRE, GOI Nodal Agency IIT Roorkee, HRED https://jalurjamitra.iitr.ac.in/
<p>➤ Subjects Taught (Lectures and Practicals):</p> <p>Basic of Electrical & Electronics Engineering, Electrical Machine -I & Lab, Electrical Machine-II& Lab, Fundamentals of Power Electronics & Lab, Introduction to Electric Generation System.</p>	

➤ **Administrative Duties**

- Institute AICTE Coordinator
- Coordinator for APEDA related activities
- Invigilator of State Public Service Commission & State Staff Selection Board Exams

PROGRAMME CONDUCTED:

- Course Coordinator of Faculty Development Programme (online) on “Power Quality and Reactive Power Management” organized by Electrical Engineering Department, Delhi Technological University in association with Clariant Power System Ltd. Pune, 6th-10th July, 2020.
- Course coordinator for one-week STTP on Domestic Wiring organized by Electrical & Electronics Engineering department w. e. f 15th -21st Feb, 2023 at RGGPC, Itanagar.
- Coordinator for Retailers Training Programme organized by Arunachal Pradesh Energy Development Agency (APEDA) under the Bureau of Energy Efficiency at RGGPC, Itanagar.
- Coordinator for 45 days skill development training program (Jal Urja Mitra-Small Hydro Technician) for the unemployed youth of Arunachal Pradesh in collaboration with HPDCAPL, GoAP and sponsored by MNRE, GOI.
- Asst. Organizing Secretary for the Sate Inter-Polytechnic College Meet, TECHXPLORE 1.O, 2024 at RGGPC, Itanagar.

PUBLICATIONS: Journals, Conference Papers & Book Chapters

- 1 **Rinchin W. Mosobi** and Sarsing Gao, “Power Quality Analysis of Low Voltage Distributed Generators in Standalone and Grid connected modes”, International Journal of Power and Energy Conversion, Inderscience, vol.12, no.4, pp.267-293, 2021. DOI: 10.1504/IJPEC.2021.118029
- 2 **Rinchin W. Mosobi** and S. Gao, “Performance Analysis of Distributed Energy Resource-Based LV Distribution Grid”, Journal of Institute of Engineers, India Series B (2019), Springer. DOI: 10.1007/s40031-019-00402-2
- 3 **Rinchin W. Mosobi** and S. Gao, “Power quality analysis of hybrid renewable energy system”, Cogent Engineering, Taylor & Francis, vol. 2, pp. 1-15, 2015. DOI: 10.1080/23311916.
- 4 **Rinchin W. Mosobi** and S. Gao, “Distributed Generators based DSTATCOM and its Harmonic Assessment”, IEEE 17th India Council International Conference (INDICON) New Delhi, India, 2020, pp. 1-6, DOI: 10.1109/INDICON49873.2020.9342436
- 5 **Rinchin W. Mosobi** and S. Gao, “Performance Analysis of Hybrid Solar-Wind-Micro hydro System in Islanded Mode”, IEEE TENSYPMP, Sydney, Australia, 2018, pp. 106-111. DOI: 10.1109/TENCONSpring.2018.8692037
- 6 **Rinchin W. Mosobi** and S. Gao, “Distributed Generator Based DVR Application to a LV Distribution Grid”, IEEE ICEPE, Shillong, India, 2018, pp. 1-6. DOI: 10.1109/EPETSG.2018.8658971

- 7 **Rinchin W. Mosobi** and S. Gao, “Modeling and simulation of integrated renewable energy sources feeding three-phase load”, IEEE ICEPE, Shillong, India, pp. 1-6, Jun. 2015. DOI: 10.1109/EPETSG.2015.7510172
- 8 **Rinchin W. Mosobi** and S. Gao, “Modeling and power quality analysis of integrated renewable energy system”, IEEE NPSC, IIT Guwahati, pp. 1-6, Dec. 2014. DOI: 10.1109/NPSC.2014.7103806
- 9 Amisha Srivastava, M. Rizwan and **Rinchin W. Mosobi**, “Energy Management System: A Review on Ruling and Reckoning Opportunities to Save Energy”, International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC), Lecture Notes in Electrical Engineering (LNEE), Springer, Dec10-11, 2021.
- 10 Amisha Srivastava, M. Rizwan and **Rinchin W. Mosobi**, “Comparative Analysis of Particle Swarm Optimization and Differential Evolution Algorithm to Curtail Power Consumption using Smart Energy Meter Analytics" IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022), Bhilai, Chhattisgarh, India during 21-22, April 2022.
- 11 Spandan Srivastava, Charu Lata, Prateek Lohan, **Rinchin W. Mosobi**, “Comparative Analysis of Particle Swarm Optimization and Artificial Neural Network Based MPPT with Variable Irradiance and Load”, International Journal of Electrical and Electronics Research (IJEER), vol. 10 Issue 3, pp. 460-465, August 2022.
- 12 Mrinal K. Rajak, **Rinchin W. Mosobi** & Rajen Pudur, “Dynamic Performance Analysis of Parallel Connected Self Excited Induction Generators for Remote Power Systems”, GCON 2025, Intl Conf of IEEE Guwahati Subsection, 2025.
- 13 Mrinal K. Rajak, **Rinchin W. Mosobi** & Rajen Pudur, “Advanced Hybrid Excitation System with Enhanced Voltage Control for Self-Excited Induction Generators in Off-Grid Applications,” GCON 2025, Intl Conf of IEEE Guwahati Subsection, 2025.

COURSE COMPLETED:

- Eight Modules Orientation Course for Inductee Teacher by National Initiative for Technical Teachers Training (NITTT) as Comprehensive Training Policy under the initiative of AICTE, September 2021.
- COURSERA online courses:
 - Electric Power Systems authorized through University at Buffalo and The State University of New York,
 - Introduction to Power Electronics authorized by University of Colorado Boulder,
 - Introduction to Electronics authorized by Georgia Institute of Technology,
 - Introduction to the Internet of Things and Embedded Systems authorized by University of California.

WORKSHOPS & TRAINING PROGRAM ATTENDED

- Two-week Induction Training Programme at NITTTR Kolkata w. e. f 28th Oct, 2022.
- Two-week FDP on Advanced Pedagogy at NITTTR, Kolkata w. e. f 5th July, 2024.
- One week FDP on AI and Data Analytics for Healthcare: Transforming the future of Medicine by AICTE ATAL Academy/ NERIST w. e. f 31st August, 2024.
- One week FDP on Essentials of Outcome Based Education at NITTTR, Kolkata w. e. f 24th November, 2023.
- One week FDP on Computational Intelligence for Solving Complex Engineering Problems using Python by AICTE ATAL Academy/ NERIST w. e. f 4th November, 2023.
- One week FDP on Enabling Power Electronics Technologies for EVs Ecosystem at NIT Uttarakhand w. e. f 9th Feb, 2024.
- Short Term course (online) on “Microgrid Opportunity: Renewable Energy Resources and Buildings” organized by Department of Electrical Engineering, Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra, India, June 16-20, 2020.
- Pre-Conference Faculty development programme SEFET-2021 (online) on “Artificial Intelligence, Machine Learning, Internet of Things & Big Data Application in Power Electronics and its Allied Areas” organized by GRIET, Hyderabad, Telangana, 1-6th June 2020.
- Workshop on “Power Quality Challenges with RE integration in Smart Grid” organized by Central Power Research Institute (CPRI) Bengaluru during Feb 23rd-24th, 2017.
- Short Term Training Program on “Renewable Energy Applications: Practices and Challenges” organized by Department of Electrical & Instrumentation Engineering at Sant Longowal Institute of Engineering & Technology (SLIET), Longowal, Punjab, Dec 21-25, 2015.
- Induction Training Program conducted by National Institute of Technical Teachers’ Training and Research, NITTTR Kolkata (under MOE, GOI) during Sept 11-20, 2015.

SCHOLARSHIPS

- GATE Fellowship during M Tech.
- MHRD Fellowship during Ph. D