

RESUME

Dr. Saquib Shakil

Ph.D. E. Engg. M. Tech (P.S), B. Tech (EE). Dip. (EE)

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Ph.D. E. Engg. M. Tech (P.S), B. Tech (EE), Dip. (EE)

Principal

Millia Institute of Technology (MIT)

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**CAREER SUMMARY**

Ph.D. (Electrical Engineering – Power Systems) | Principal, MIT Purnea | NAAC & IQAC Leader | Researcher | Academic Administrator | IIC Chairperson.

A dynamic academican and institutional leader with over a decade of experience in teaching, research, and academic administration. Currently serving as Principal of Millia Institute of Technology, Purnea, Dr. Saquib has led strategic NAAC accreditation efforts, fostered faculty development, and published extensively in National and Scopus-indexed journals. Passionate about enhancing educational standards through research-driven teaching and administrative innovation.

EDUCATIONAL QUALIFICATIOS

Degree / Certificate	Institution Conferring	Field/ Subjects	Year	CGPA/ % / Div.
Ph. D*	Sri Satya Sai University of Technology and Medical Science Sehore	Electrical (power system) Engineering	2020	Awarded
M. Tech[#]	Suresh Gyan Vihar University, Jaipur,	Power System Engineering	2013	7.16 CGPA
B. Tech.	Regional College for Education Research and Technology (RCERT), Sitapura, Jaipur	Electrical Engineering	2010	69.5%
Diploma	Al-Kabir Polytechnic, Jamshedpur	Electrical Engineering	2006	72.44%
SSSC	A.K.A. High School, Andhwas, Bihar	Physics, Chemistry, Math., English	2001	59.14%

***Title of Ph. D. Thesis:**

“A Critical Examination of Failures of Power System Design

#Title of M. Tech. Dissertation:

“Power Quality Enhancement & Sag Mitigation of Distribution Network Using Dynamic Voltage Restorer”

RESEARCH WORK

Ph. D* Research work

Title: - A Critical Examination of Failures of Power System Design.

Description: Research work leads a detail audit of the reliability thinks about including primary and secondary hardware in power systems. An emblematic Venn portrayal of the circulation of reliability impacts of different power system parts on primary and secondary hardware is displayed through a complete writing audit.

Supervisor: **Dr. Subhashish Boss**, Associate Professor, Department of Electrical Engineering, Sri Satya Sai University of Technology and Medical Science” Sehare (M.P)

M. Tech# Thesis

Title: Power Quality Enhancement & Sag Mitigation of Distribution Network Using Dynamic Voltage Restorer (Dvr) **Description:** Power peculiarity is one of the most touching issue in this present era, Voltage sag is considered to be one of the most severe occurrences in power system which largely affects the quality of power. To obtain better power attribute custom power devices is used in the system. The most precious technology used in improvement of power quality is assigned as Dynamic voltage restorer (DVR) & considered as most powerful & efficient devices among the other technology available in system.

Supervisor: **Prof. M. Shashi Lal**, Department of Electrical Engineering, Suresh Gyan Vihar University, Jaipur.

ACHIEVEMENTS/ AWARDS/ FELLOWSHIPS

- [1] Awarded **second topper B. Tech final semester** at Regional College for Education Research and Technology (RCERT), Sitapura, Jaipur (2010)
- [2] Assigned as a Centre observer (JUT/74/2018/ 567 EX) from 25th August 2021 to 4th September 2021 in Dumka engineering college, Dumka for the final year/6th semester Diploma examination (2018 Batch).

ACADEMIC EXPERIENCE / RESPONSIBILITIES

- [1] **Principal**
Millia Institute of Technology (MIT), Purnea, (6th April 2022 – Present)
 - IQAC Coordinator
 - NAAC Coordinator
 - IIC President
 - Overseeing academic and administrative functions
 - Strategic planning and institutional development
- [2] Associate Professor (Electrical Engineering)
Moti Babu Institute of Technology (MBIT), Forbesganj, Araria (20th December 2021 – 5th April 2022)
- [3] **Head of Department (Electrical) /**
KK Polytechnic, Dhanbad (A unit of KK Group of Institutions) (20th Oct. 2021 – 18th December 2021)
 - Member – Training & Placement Cell
- [4] **HoD / Senior Lecturer (Electrical)**
Pakur Polytechnic, Pakur (August 1, 2016 – October 8, 2021)
 - Head of Department, Electrical
 - Chief Proctor (Electrical Branch)
 - Head of Disciplinary Committee
 - Member, Examination Department
 - Internal Auditee (ISO 9001:2015)
 - Member, Anti-Ragging & Disciplinary Committee
 - Founder and Treasurer – Welfare Committee
- [5] **Assistant Professor (Electrical)**
Millia Institute of Technology (MIT), Rambagh, Purnea (a unit of MET) (January15,2013 – May 10, 2016)
- [6] **Lecturer (Electrical) / HoD (In-Charge)**
Dr. Radha Krishnan Institute of Technology (DRIT), Kalwara, Jaipur (August 2011 – December 2013)

M.Tech/ MBA/Ph.D. SUPERVISION

- [1] Thesis entitled “Study of Open Access and Cost Benefit Analysis of Open Access Over Grid Power” by Abhishek Tiwari (500056281), for the fulfillment of MBA (Power Management) at Centre For Continuing Education University of Petroleum & Energy Studies, Dehradun.

RESEARCH PUBLICATIONS

- [1] **SAQUIB SHAKIL**, " "Plant-Extract Mediated Sm-Doped CoFe₂O₄ Nanoparticles: Structural, Opto-Electronic, Magnetic, Ferroelectric, Dielectric and Redox Properties for Multifunctional Electronic and Environmental Applications." Nanoparticles: Structural, Opto-Electronic, Magnetic, Ferroelectric, Dielectric and Redox Properties for Multifunctional Electronic and Environmental Applications." (under review)
- [2] **SAQUIB SHAKIL**, “Bioinspired Green Tea Mediated Cerium Oxide Nanoparticles: Tailoring Multifunctional Magnetic, Ferroelectric, Dielectric, Photocatalytic, and Antioxidant Properties for Biomedical and Sensing Applications" (under review)
- [3] **SAQUIB SHAKIL**, “A comprehensive review of critical failure and blackouts in power system” published in International Journal of Scientific Research in Engineering and Management (IJSREM) on Volume 10, Issue 01 January 2026, ISSN: 2582-3930, page no: - 1-9
<https://www.doi.org/10.55041/IJSREM55926>
<https://ijsrem.com/download/a-comprehensive-review-of-critical-failures-and-blackouts-in-power-systems/>
- [4] **SAQUIB SHAKIL**, Dr. Subhashish Bose, “a critical examination of failures of power system design” published in Advances in Mathematics: Scientific Journal 9 (2020), no.7, 5181–5189, ISSN: 1857- 8365 (printed); 1857-8438 (electronic) (Scopus – Elsevier)
<https://doi.org/10.37418/amsj.9.7.85>
<https://www.research-publication.com/amsj/uploads/papers/vol-09/iss-07/AMSJ-2020-N7-85.pdf>
- [5] **SAQUIB SHAKIL**, Dr. Subhashish Bose “analysis of power system design failure” published in journal of critical reviews, ISSN-22394-5125, VOL 7, ISSUE 04, 2020, Page no. 1896-200.
<http://dx.doi.org/10.31838/jcr.07.04.308>
<https://jcreview.com/archives/volume-7/issue-4/2786>
- [6] **SAQUIB SHAKIL**, Dr. Subhashish Bose “A study of Reliability of the power system Influence of Failure Substation” Published in INTERNATIONAL Journal of Research and Analytical Reviews (IJRAR), Volume 6, Issue 1 January 2019. Page No- 257-267.
<http://www.ijrar.org/papers/IJRAR19J5315.pdf>
- [7] **SAQUIB SHAKIL**, Kuldeep Kumar Srivastava, Anand Vardhan Pandey “power Quality Improvement and Sag Mitigation by Dynamic Voltage Restorer (DVR)” published in “International Journal of Scientific and Engineering Research (IJSER)” Volume 4, Issue 6, June 2013 Page no-999- 1009
<researchpaper-Power-quality-enhancement-Sag-mitigation-by-Dynamic-Voltage-Restorer-DVR-libre.pdf>
- [8] **SAQUIB SHAKIL**, Kuldeep Kumar Srivastava, Anand Vardhan Pandey’ “Harmonic and its mitigation technique by shunt passive filter” published in “International Journal of Soft Computing and Engineering” (IJSCE) ISSN: 2231-2307, Volume-3, Issue-2, May 05 2013. (pg- 325-331)
<https://www.ijsce.org/wp-content/uploads/papers/v3i2/B1483053213.pdf>

- [9] **SAQUIB SHAKIL** “critical Examination of Failures of Power System Design and Its Importance” published in “International Journal of Trend In Scientific Research and Development” (IJTSRD) ISSN: 2456-6470, Volume- 2, Issue-1(Nov-Dec-2017) page no (1039-1042)
<http://www.ijtsrd.com/papers/ijtsrd7066.pdf>
- [10] **SAQUIB SHAKIL** “Custom power devices for the betterment of power quality” published in “International Journal for Research & Development in Technology” (IJRDT) ISSN;2349-3585, Volume-9, Issue 2 (Feb-18). Page no.150-159.
[International Journal for Research and Development in technology|IJRDT Journal](#)

PATENT / INTELLECTUAL PROPERTY

[1] Design Patent (UK)

Title: *AI-Assisted Power Quality Monitoring Apparatus with Real-Time Harmonic Analysis*

Application No.: 6525390

Filing Date: 08 May 2026

<https://www.registered-design.service.gov.uk/find/>

- Conceptualized and designed an AI-enabled power quality monitoring apparatus for intelligent electrical system diagnostics and harmonic analysis.
- Developed a real-time monitoring framework integrating embedded sensing, waveform acquisition, and AI-assisted analytics for power quality assessment.
- Proposed an innovative apparatus design focused on harmonic distortion detection, anomaly identification, and predictive monitoring in electrical distribution systems.
- Applied principles of signal processing, machine learning, and smart energy monitoring to improve grid reliability and operational efficiency.
- Contributed to the industrial and functional design architecture for next-generation intelligent power monitoring solutions

[1] Design Patent (INDIA)

Title: Variable Parameter Resized Zero Attracting Based Adaptive Algorithm For Three Phase Three Wire Double Stage Grid Integration Of PV System. (filed)

BOOK CHAPTER PUBLICATIONS

- [1] Published a book chapter, titled "Role of Custom Power Devices for the Betterment of Power Quality" on dated 16-01-2026 in the book entitled "Advances in Electrical Engineering (Volume - 9)" (Ref. No.: AEE-09-0901) having ISBN 978-93-7150-728-8. Paperback ISBN: 978-93-7150-728-8, E-Book ISBN: 978-93-7150-062-3, (page no: -179-196), Published By: AkiNik Publications.

Book DOI: <https://doi.org/10.22271/ed.book.3615>

- [2] Published a book chapter titled “An Analytical Review of Catastrophic Failures in Electrical Power Networks” on dated May 30, 2026 in the book entitled Emerging trends in multidisciplinary studies Published By Black Pearl Publication, ISBN 978-93-6977-226-1 (Page no: - 1-20).

DOI :- <https://doi.org/10.5281/zenodo.20962390>

CONFERENCE /WORKSHOP / FDP / SEMINAR ATTENDED

- [1] Participated in the international conference on “Emerging trends on multidisciplinary studies (IC-ETMS-2026), jointly organized by Eklavya University , Research foundation of india & RFI- CARE on April 30, 2026 and presented a paper on “ An analytical review of catastrophic failures in electrical power network”.
- [2] Participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on New Trends in Semiconductor Technology at Kongu Polytechnic college from 22/12/2025 to 27/12/2025.
- [3] Participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Smart manufacturing and Industry 4.0: Bridging the Gap between Academia and Industry at Amity University, Noida from 15/12/2025 to 20/12/2025.
- [4] Participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program (Online) on Accelerating Innovation: Artificial Intelligence for the Development of Smart Systems at Birla Institute of Technology, Mesra, Extension Center Noida from 01/12/2025 to 06/12/2025.
- [5] Participated in five Days online FDP on Inculcating Universal Human Values in Technical Education organized by All India Council for Technical Education (AICTE) from July 21, 2025 to July 25, 2025.
- [6] Participated in online FDP from 17-03-2025 to 29-03-2025 on Latex organized by Purnea College of Engineering, Purnea. The training was offered by spoken Tutorial Project IIT Bombay.
- [7] Participated in online FDP on AI Native Secure cyber Communications from 15th to 20th July 2024 at Malla Reddy Engineering College for Women.
- [8] Participated in a online faculty Development Programme on “Exploring Dynamics of National Education policy 2020 With Reference to Naac Perspectives” organized by research foundation of India dated from November 24, 2022 to November 30, 2022.
- [9] Presented a paper on A Critical Examination of Failures of Power System Design, in 3rd International Conference on” Emerging current trends in Computing and Expert Technology” (COMET) ON 6th and 7th March 2020
- [10] Presented a paper on A Critical Examination of Failures of Power System Design, in the International Conference on Experimental Approaches in Engineering, Pharmacy, Management, Science and Humanities (ICEAEPMCH-2020) organized by the IJAMSR Research Foundation at Hotel Vivanta Guwahati, Assam on 23rd February 2020
- [11] Presented a paper on Analysis and Synthesis of the Behavior of Complex Programmable Electronic System in Conditions of Failure. in the International Conference on Emerging Trends in Engineering, Management, Arts, Science and Technology (ICETEMAST-2020), organized by the IJAMSR Research Foundation at Hotel The Oberoi Grand, Kolkata on 5th January 2020.
- [12] Attended a Single day workshop induction Program by AICTE, venue Techno India Institute of Technology, Rajarhat, Kolkata on 5th July-2017
- [13] Attended Seven days short term course on” Power System Restructuring and Electricity Markets” organized by Malaviya Institute of technology (MNIT), Jaipur from 19 December to 23 December 2011 at Malaviya Institute of technology (MNIT), Jaipur.
- [14] Seminar on “power factor improvement” organized by Suresh Gyan Vihar University, Jaipur.
- [15] Seminar on “Power System stability Enhancement By use of FACTS Devices organized by Department of Electrical Engineering, Suresh Gyan Vihar University, Jaipur.
- [16] Seminar on “Power Quality Improvement by Dynamic Voltage Restorer (DVR) technology. Organized by Department of Electrical Engineering, Suresh Gyan Vihar University, Jaipur.

CONFERENCES /WORKSHOPS / FDP / SEMINAR ORGANIZED

- [1] Participated in online FDP on Innovation in Management Education on Dated July 22, 2024.
- [2] Organized a National level career-oriented webinar on Data Science on October 9, 2023.
- [3] Organized a seminar on “Entrepreneurship and Innovation as Career Opportunity” (speaker-Er. Ajeet Kumar) co-founder Purnank Software Solution Private Limited On dated November 20, 2024.
- [4] Organized an online workshop on “Generative AI model” (Speaker-Trvikrama CSE, IIT Delhi) on Dated February 17, 2024.
- [5] Organized an online workshop on “Innovation/Prototype Validation - Converting Innovation into a Start-up” (speaker-Er. Ajeet Kumar) co-founder Purnank Software Solution Private Limited) on Dated July 31, 2025.

MEMBERSHIP OF PROFESSIONAL BODIES

- [1] Associate Member -The Institution of Engineers (India), Electrical Engineering Division (Membership Number – AM3175246)
- [2] Member- International Association of Engineers (IAENG), (Membership No. 523421)
- [3] Member- society of Electrical Engineering (Membership No. 523421)
- [4] Member -The International Association of Electrical, Electronic and Energy Engineering (IAEEEE) (Membership Number – 71051534)

TECHNICAL / COMPUTER SKILLS

- [1] Technical Software: Microsoft Office, Origin, Corrosion Analyzer (ACM Instrument)
- [2] Designing Software: AutoCAD, STAAD Pro, ETABS

ONLINE PROFESSIONAL IDs

Researchgate In process

ORCID <https://orcid.org/0009-0002-4616-2112>



SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=57218515997>



Google Scholar <https://scholar.google.com/citations?hl=en>

**REFEREES**

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Trust, Purnea-854301
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