



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Power Quality Data Analytics

One-day Workshop Covering IEC TS 63222 and IEC TS 62749

SCHOOL OF ELECTRICAL ENGINEERING, VIT VELLORE, 632014

January 23, 2026

Power Quality Data Analytics

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About the Workshop

Power supply quality and reliability are very important for both industrial and commercial organizations especially for the use of digital technology (ICT & AI) and industrial automation (IoT) effectively for economic growth. However, it is also important for both residential and agriculture customers to avoid failure of their equipment leading to both financial losses and accidents. The significance of power quality increase many folds with the increase of Electric Vehicles, AI Data Centers, Semi-Conductor Manufacturing, and Grid Integration of Renewable Energy for progress towards developing Smart Grid and Smart Cities. This context highlights the need for awareness and capacity building on Power Quality Standards, Monitoring and Data Analytics among the (a) Utilities (b) Industry (c) Regulators (d) Policy Makers (e) OEMS (f) Academic Researchers and (g) Customers. The one-day workshop “**Power Quality Data Analytics**” is organized to all the stakeholders to highlight the importance of power supply quality and reliability in day-to-day life and take necessary steps to advance professionally for the benefit of society and country for achieving Viksit Bharath.

Program Schedule of the Workshop

- Introduction to Power Quality & Standards (10.00 – 11.00)
- Power Quality Monitoring Instruments & Data Acquisition (11.30 – 12.30)
- Power Quality Assessment and Management (2.00 – 3.00)
- Case Studies from Industry and Utilities (3.30 – 4.30)
- Power Quality Data Analytics & Measurement Demo (4.30 – 5.30)

Resource Person:

- Mr. Shyam Ravindran, Director, SONEL Instruments
- Mr. Anil Kumar Director, ENSPAR Sustainability
- Dr. M V Chilukuri, VIT Vellore

ABOUT VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spurs us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward.

ABOUT SCHOOL OF ELECTRICAL ENGINEERING

The School of Electrical Engineering (SELECT) has over 95 faculty members who pursued their UG, PG and Doctoral degrees from top-notch universities. The school offers B.Tech. (Electrical and Electronics Engineering), B.Tech. (Electronics and Instrumentation Engineering), B.Tech (Electrical and Computer Science Engineering), M.Tech. (Power Electronics and Drives), M. Tech. (Control and Automation), Ph.D and Integrated Ph.D in Engineering. Both B. Tech. and M. Tech. programmes attract the Intelligent students from the country and abroad. The B.Tech. (Electrical and Electronics Engineering) and B.Tech. (Electronics and Instrumentation Engineering) Programmes are accredited by the Engineering Accreditation Commission of ABET. All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), U.K. The placement record of the school has always been impressive. Almost 100% of the students secure job from the campus placement and many of them are recruited in core companies. Danfoss Advance Drives Lab, Schneider Electric Smart Energy Monitoring Lab, Fluke Testing and Calibration Lab, Q-Max Automated Test Engineering Lab (Alumni Sponsored Lab) and NxP Semiconductors have established Centre of Excellence for students R&D activities under the guidance of faculty members and industry experts.

ORGANIZING THE COMMITTEE

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Dr. G. Viswanathan, Founder and Chancellor

Patrons

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Dr. Sekar Viswanathan, Vice President

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Dr. T. Jayabarathi, Registrar

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Dr. Ruban N, Associate Dean, SELECT

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Dr. Vinodh Kumar E, HoD, Control and Automation

Dr. Vijaya Priya P, HoD, Electrical Engineering

Dr. Mahalakshmi P, HoD, Instrumentation

REGISTRATION

Registration fee: Rs.250/- Students & Faculty (*Registration fee including 18% GST)
Prospective participants are requested to register for the workshop using the following web link <https://events.vit.ac.in/>

IMPORTANT DATE

Date of Workshop: 23rd January 2026, Last date for registration: 15th January 2026

CO-ORDINATOR

Dr M V Chilukuri, SMIEEE

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