	Shankarrao Mohite-Patil Charitable Hospital Trust's Sahakar Maharshi Shankarrao Mohite-Patil Institute of Technology & Research, Shankarnagar-Akluj (Approved by A.I.C.T.E, New Delhi, Govt. of Maharashtra and DTE, Mumbai - EN6782) Post – Yeshwantnagar, P.O.Box.No. 5, Pin – 413118, Tal – Malshiras, Dist – Solapur (Maharashtra)
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Guest Lecture Report


Title	"Quality of Measurement of Electrical Parameters"
Expert Speaker	Prof .S.S.Chormale BE (EE) Assistant Professor Electrical Engineering Dept, Kalamb
Date of Conduction	28 th Nov 2023
Conducted Time	2:30 PM to 04:30 PM
Venue	Electrical Engineering Classroom, SMSMPITR, Akluj

Executive Summary:

Guest lecture was organized by Department of Electrical Engineering on 28th Nov 2023 in the 3rd floor Electrical Engineering Classroom 2:30 PM to 04:30 PM. Prof. Kulkarni P.S. introduced the speaker Prof.S.S.Chormale, Assistant Professor Electrical Engineering Dept, Kalamb for the last Two years. The Head of the Department, Prof.S.S.Shinde felicitated the speaker.

Agenda :-

- Introduction
 - Brief overview of the importance of electrical measurements in various industries.
 - Highlight the role of precise measurements in ensuring system reliability.
- Fundamentals of Electrical Measurements
 - Voltage, current, and resistance: Basic concepts and units.

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Ohm's Law and its significance in measurements.

Introduction to different types of measuring instruments.

- Measurement Techniques

Overview of analog and digital measurement techniques

.Importance of calibration and accuracy in measurements.

- Instrumentation

Discuss various types of measuring instruments:

Multimeters, oscilloscopes, power meters, etc.

Explain their applications and limitations.

Details:

The guest speaker gave an extensive speech on Quality measures for all the participants with the emphasis on need of quality in measurement of Electrical Parameters. The speech was centered on “Quality” in many ways for the betterment of society and electrical engineers. Quality lies in accuracy of measurement which is the closeness to true value. Comparison of accuracy and precision in measurement was made clear to students in which resolution plays a major role. Importance of reproducibility of electrical parameter in measurements was briefly discussed. Many new ideologies like Metrology and Calibration were new arena for the students. Finally safety of measurement of electrical parameters was explained elaborately. The session was concluded with a question answer session at 4:00 p.m.

Faculty members also co-ordinated to conduct the guest lecture successfully. There were around 34 participants for the seminar.



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Guest Lecture Photo

