



KLS Vishwanathrao Deshpande Institute of Technology

(Approved by AICTE, New Delhi. Affiliated to VTU, Belagavi)

(Recognised Under Section 2(f) by UGC, New Delhi)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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Report on Industrial Visit to Shanthala Power Ltd., Hubballi

A group of 58 students from the 3rd semester, accompanied by Prof. Kirankumar Hittanagi and Prof. Sheetal Mindolkar, visited Shanthala Power Limited, located in Hubballi on 29th October 2025. The visit was organized successfully with the prior permission of Mr. Vinod Narayana, Testing Engineer, Shanthala Power Limited, Hubballi, under the guidance of our beloved Principal Dr. V. A. Kulkarni and by the initiative and persistent efforts of Head of Department Prof. Rajeshwari N.

Shanthala Power Limited, based in Hubballi, Karnataka, specializes in advanced electrical testing and calibration services for power equipment across India and abroad. With over 25 years of technical excellence, the company has evaluated more than 100,000 electrical assets of varying capacities, makes, and conditions. Equipped with state-of-the-art testing instruments, analytical software, and mobile testing units, Shanthala ensures accurate assessment of equipment performance, reliability, and safety.

During the industrial visit to Shanthala Power Limited, the B.E. Electrical Engineering students gained valuable practical exposure to advanced testing and calibration practices used in the power sector. They observed detailed testing procedures of electrical transformers, including insulation resistance, winding resistance, and turns ratio tests, which are essential for evaluating transformer health and performance. The engineers at Shanthala demonstrated the use of modern diagnostic equipment and explained how data from these tests are analyzed to ensure reliability and safety of power systems. Students also witnessed the operation of thermal imaging cameras, learning how infrared thermography helps detect overheating, loose connections, and other hidden electrical faults in transformers and switchgear without interrupting power supply.

In addition, the visit emphasized the importance of calibration in maintaining the accuracy and reliability of measuring instruments used in the electrical industry. The students understood how periodic calibration ensures that instruments like multimeters, clamp meters, and energy analyzers meet national and international standards. They also learned about the role of calibration laboratories in establishing traceability and ensuring consistent performance across testing equipment.

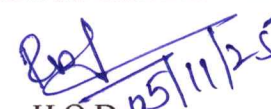
Overall, this visit to Shanthala Power Limited provided the students with valuable exposure to a real-time industrial environment, helping them understand professional work practices and safety standards followed in the electrical industry.


Program Outcomes and Program Specific Outcomes mapping to this industrial visit are as follows.

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2
3						2				2		

The snapshots taken during the industrial visit are attached with this report.


Industry Visit Coordinators


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Principal
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