



KNOWLEDGE INSTITUTE OF TECHNOLOGY

(An AUTONOMOUS Institution)

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Accredited by NAAC with 'A' Grade | Accredited by NBA (B.E.: CSE, ECE, EEE & Mech.)

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Director - Student Affairs

Professor - Mechanical Engineering

Ref: KIOT/EA/2022 -23/212

10.04.2023

ENERGY AUDIT CERTIFICATE

This is to certify that, we have conducted an **Energy Audit** in **M/s. Muslim College of Education, Thiruvithancode** on **10th April 2024**. The audit team has identified energy saving measures and the summary of Energy Audit Process is given below.

S.No.	Description	Parameters
1	Annual Energy/ fuel Consumption	100 litres diesel, 2 LPG cylinders & 8000 kWh
2	Present Annual Energy Cost	Rs 1,60,000.00
3	Proposed cost Savings due to the replacement 50 fans with BLDC fans	Rs.10,000.00
4	Proposed cost Savings per year from LPG cylinders by efficient usage.	Rs. 1,000.00
5	Proposed cost savings per year due to the installation of 5 KW solar PV Plant .	Rs. 20,000.00
6	Proposed cost savings per year due to energy efficiency and conservation in transportation/DGs	Rs. 5,000.00
7	Initial Investment Required	Rs.2,50,000.00
8	Total savings ((3)+(4)+(5)+(6))	Rs 36,000.00
9	Payback period	7.00 years

Equipment/Systems Audited

Electrical Network

Inverter, UPS and Battery System

Lightings, Fans & Air Conditioning System

LPG Consumption for Cooking Application

Diesel Fuel Consumption

Audited and Accounted for May 2022 to June 2023

Yours Truly


Dr.P.NAVANEETHAKRISHNAN
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