



KNOWLEDGE INSTITUTE OF TECHNOLOGY

(An AUTONOMOUS Institution)

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

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

KIOT Campus, Kakapalayam (PO), Salem – 637 504, TN, India.

Ph : +91 427 2433 911, +91 98429 50323, Fax : +91 427 2433 999

Web : www.kiot.ac.in

E-mail : directorsa@kiot.ac.in, pnkmech@kiot.ac.in

Dr.P.Navaneethakrishnan, M.E., MBA, Ph.D.

Director - Student Affairs

Professor - Mechanical Engineering

Ref: KIOT/EA/2023 -24/222

10.04.2024

ENERGY AUDIT CERTIFICATE

This is to certify that, we have conducted an **Energy Audit** in **M/s. Muslim College of Education, Thiruvithancode on 30th March 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 2023 to March 2024

Yours Truly

Dr.P.NAVANEETHAKRISHNAN
BEE Certified Energy Auditor
Regd No EA3643
5/83 Namakkalpalayam Road,
Chennimalai - 638 051, Erode Dt.