

Certificate of Registration

This is to Certify that
Environmental Management System of

VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI(PO), KANNUR-670632, KERALA, INDIA.

has been assessed and found to conform to the requirements of

ISO 14001:2015

for the following scope :

**IMPARTING EDUCATIONAL PROGRAMS LEADING TO
B.E. AND M.E. DEGREES**

IAF CODE : 37

Certificate No	: 21EEMZ45		
Initial Registration Date	: 26/02/2021	Issuance Date	: 26/02/2021
Date of Expiry	: 25/02/2024		
1st Surv. Due	: 26/01/2022	2nd Surv. Due	: 26/01/2023



Director



(Scan to Verify)

Assurance Quality Certification LLC

Head Office: Sharjah Media City, SHAMS, Sharjah, UAE. e-mail: info@aqcworld.com

Key Location: A-60, Sector - 2, Noida, Uttar Pradesh, 201301, India.

*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn).

Certificate Verification: Please Re-check the validity of certificate at <http://www.aqcworld.com/activeclients.aspx> or www.aqcworld.com at Active Clients.

Certificate is the property of Assurance Quality Certification LLC and shall be returned immediately when demanded

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JYOTHI NAGAR, CHEMPERI(PO), KANNUR-670632, KERALA, INDIA.

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ISO 50001:2018

for the following scope :

**IMPARTING EDUCATIONAL PROGRAMS LEADING TO
B.E. AND M.E. DEGREES**

Certificate No	: 21EEnMW26		
Initial Registration Date	: 26/02/2021	Issuance Date	: 26/02/2021
Date of Expiry	: 25/02/2024		
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ISO 50001:2018





CERTIFICATE FOR **GREEN AUDIT**

Certificate Number: PSQC271

This is to certify that, we have conducted a **GREEN AUDIT** in VIMAL JOTHI ENGINEERING COLLEGE, Jyothi Nagar, Chemperi (PO), Kannur – 670 632, Kerala during 17/04/2023 – 18/04/2023. The Audit investigates the following activities.

1. Coverage of matured trees (nearly 1956 trees available in the college campus)
2. Assessment of RO plant and water distribution network
3. Implemented many flowers, shrubs and indoor plants
4. Analysis of waste water treatment in STP and treated water utilization
5. Future expansion of Solar PV & Thermal energy systems for regular activities
6. Evaluation of solid and E-waste management system
7. Plan for implementing solar water heating system in hostel area to pre-heat the water
8. Identification of expansion of green coverage for planting more trees
9. Survey on Bio-diversity and plan for improvement of Birds, Reptile and Amphibian

The detailed campus Greenery Coverage and initiatives are presented in the Audit Report.

Authorized Auditor

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

Lead Auditor – ISO 14001, EMS

P S QUALITY CERTIFICATION PVT. LTD.

(Consultancy – Accreditation & Certification) Auditing & Training

E-mail: info@psqualitycertifications.com

Web Site: www.psqualitycertifications.com

CIN: U74999TN2020PTC138625



CERTIFICATE FOR ENERGY AUDIT

Certificate Number: PSQC272

This is to certify that, we have conducted an **ENERGY AUDIT** in VIMAL JYOTHI ENGINEERING COLLEGE, Jyothi Nagar, Chemperi (PO), Kannur – 670 632, Kerala during 17/04/2023 – 18/04/2023. The Audit team has identified 07 Energy Conservation Proposals (ENCONs) and summary of the energy audit is given below.

Description/Year	2022-2023		
Annual Electricity Consumption (kWh)	55,500 kWh		
Annual LPG consumption (kg)	25650 kg		
Summary of Energy Conservation (ENCON) Proposals			
Description	Parameters		
	Present	After	Savings
Annual Energy Consumption	93,168 kWh + 9240 Kg of LPG	55500 kWh + 8568 kg of LPG	37668 kWh + 672 kg of LPG
Annual Energy Cost	Rs. 24.61 lakhs	Rs. 11.93 lakhs	12.68 lakhs
Simple Payback Period	-	-	1.5 years

Equipment's/Systems Audited

Electrical System	Thermal System
All major electrical equipment's	Inverter, UPS and battery system
Electrical Distribution system	Diesel, generators, pumps and motors
Lightings, Fans and Air conditioning system	LPG for cooking application
Rooftop solar PV system	Boiler and Steam distribution System

The detailed Energy Conservation Proposals are presented in the Audit Report.

Authorized Auditor

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

Lead Auditor – ISO 14001, EMS

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CERTIFICATE FOR ENVIRONMENTAL AUDIT

Certificate Number: PSQC273

This is to certify that, we have conducted an **ENVIRONMENTAL AUDIT** in VIMAL JYOTHI ENGINEERING COLLEGE, Jyothi Nagar, Chemperi (PO), Kannur – 670632, Kerala during 17/04/2023 – 18/04/2023. This Audit highlights the energy balance sheet indicating various energycarriersassociatedwiththerregularactivitiesoftheinstitutionandtheir CO2 mapping.

Environmental system: CO2 Balance sheet (2022-2023)

S.No	Energy Consumption & CO ₂ Emission			CO ₂ Neutralization		
	Description	Annual Usage	CO ₂ Emission (Tons/Annum)	Description	Annual Usage	CO ₂ Emission (Tons/Annum)
1	Electrical Energy	55800 kwh	67.5	Matured Trees	1954 Nos	42.59
2	Diesel	1746 Liters	66.00			
3	LPGConsumption	8568 kg	285.56			
Total Emission			419.06	Total Neutralized		42.59
Balance CO ₂ to be Neutralized				376.47 Tons/Annum ¹		
CO ₂ Accountability for NCN Campus				386.85 Tons/Annum ¹		
(Calculated based on the weighted average of total strength of students, teaching and technical staff = 2108)						

System Audited

Electricity Consumption	Usage of Chemicals, Salts, Acids & Cleaning Agents
Diesel Consumption (Transport + DG)	Biogas Plants
LPG Consumption	RO Plant and Water distribution system
Solid and E-waste Handling & Management	STP and waste water utilization

The detailed environmental aspects & impacts are presented in the Audit Report.

Authorized Auditor

G. ARIVARASAN

BEE Certified Energy Auditor (EA-21875)

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