



Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.

95th Rank in NIRF – 2023 among Colleges in India.



Metric: 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar Energy 2. Biogas Plant 3. Wheeling to the Grid
4. Sensor-Based Energy Conservation 5. Use of LED Bulbs/ Power Efficient Equipment
6. Wind Mill or any other clean green energy

Any Other Relevant Proof

Sl. No	Alternate Sources of Energy and Energy Conservation Measures	Page No.
1.	Any Other Relevant Proof	
	i. Energy Policy of the Institution	1
	ii. Awareness Programs on Energy Conservation	3
	iii. Circular to reduce energy consumption within the campus	18
	iv. Certificate of Accreditation from National Rural Institutions Sustainability Grading	19



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7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures.

Energy Policy of the Institution



Estd : 1957

Phone : 04259 - 234868, 234870
Mobile : 99429 06687

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

(AUTONOMOUS AND AFFILIATED TO BHARATHIAR UNIVERSITY)

Re-Accredited by NAAC

An ISO 9001 : 2015 Certified Institution

Aided by the Government of Tamilnadu

POLLACHI - 642 001.

Fax : 04259 - 234869



E-Mail : ngm@ngmc.org

DATE _____

ENERGY POLICY

Purpose of the Policy

The purpose of energy policy is to establish guidelines and strategies to manage energy resources effectively and sustainably. The energy policy seeks to create a more sustainable and environmentally responsible campus environment while also educating students and promoting sustainable practices within the college community.

Objectives

- To adopt minimum energy performance standards for building lighting and equipments in the Institution.
- To implement energy efficiency measures in the designing of new constructions and renovation of buildings.
- To promote the use of alternate sources of energy.



PRINCIPAL
N.G.M COLLEGE POLLACHI



Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL

N.G.M. College, Pollachi - 642 001
Coimbatore District



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DATE : _____

- To encourage sustainable energy supply.
- To create in-campus and public awareness on energy efficiency measures and energy conservation periodically.
- To streamline energy management practices through periodical energy audits.



Dr. R. Muthukumar
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001,
Coimbatore District



Dr. R. Muthukumar
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL

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1. Solar energy
2. Bio gas plant
3. Wheeling to the grid
4. Sensor based energy conservation
5. Use of LED bulbs/power efficient equipment

Awareness Programs on Energy Conservation

S. No	Event	Date	Conducted by	Beneficiaries
1.	Need for Energy Conservation and Frugality in Energy Use	15.12.2023	Department of Commerce with Computer Applications	86
2.	National Energy Conservation Day	14.12.2023	Department of Chemistry	42
3.	International Conference on recent advancements in Computational Nanoscience and Energy Storage Technology - 2023	13.07.2023 & 14.07.2023	Department of Physics	56
4.	National Energy Conservation Day	14.12.2022	Institution Innovation Council	60




Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District



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1. Need for Energy Conservation and Frugality in Energy Use - Department of Commerce with Computer Applications - 15.12.2023





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Affiliated to Bharathiar University, Coimbatore

UG DEPARTMENT OF COMMERCE CA

Organizes an awareness activity on

NEED FOR ENERGY CONSERVATION AND FRUGALITY IN ENERGY USE

Resource Person

Mr.C.Jebaraj,
BEE Certified Energy Auditor
ALCHEME Green Energy Company, Madurai

Convenor

Dr.P.Archanaa, Assistant Professor and Head

Coordinators

Dr.T.Vijaya Chithra Dr.P.Gomathi Devi Dr.M.Deepa Ms.M.Shanmugapriya Dr.R.Ramya Ms.D.Saranya	Dr.M.Nirmala Dr.T.Mohana Sundari Ms.P.Divyabharathi Ms.M.Gayathri Ms.R.Subha Sangeetha Mr.S.Rajagopalan
--	--

Assistant Professors

 15/12/2023

 02:30 PM

 NGM College Campus

IQAC/2023-24/DEC/166



Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 N.G.M. College, Pollachi - 642 001
 Coimbatore District



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Head of the Department
UG Department of Commerce (CA)
NGM College, (Autonomous), Pollachi - 642 001



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M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District



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Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi

UG Department of Commerce (CA)

Awareness Activity Report

Title of the Event: Need for Energy Conservation and Frugality in Energy Use

Event Date: 15.12.2023

Event ID: BQAC/2023-24/Dec/166

The UG Department of Commerce (CA) organised an awareness programme on Need for Energy Conservation and Frugality in Energy Use on 15.12.2023. Mr. C. Jeyaram, BEE Certified Energy Auditor, ALCHHEM Green Energy Company, Madurai acted as resource person and has enlightened the importance of energy conservation and the economy in energy use. The resource person also highlighted that India's culture abounds with environment-friendly and low-resource use practices. Traditionally Indians follow frugal lifestyles which are in harmony with nature and the local conditions. These practices need to be encouraged for minimizing the adverse impact on the environment. The good green deeds are simple, practical steps that every person may perform in day-to-day life that can make a visible difference to the environment. We can practise the actions listed at the individual level, community level, and corporate level, for the overall protection of the environment. It attempts to make people at ground level, aware of the environmental issues in a simplified manner.

About 40 students of B.Com(CA) has participated in the event and got benefited out of it.

HOD

Head of the Department
UG Department of Commerce (CA)
NGM College, (Autonomous), Pollachi - 642 001

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M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District



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UG Department of Commerce (CA)

Awareness Activity Report

Title of the Event: Need for Energy Conservation and Frugality in Energy Use

Event Date: 15.12.2023

Event ID: IQAC/2023-24/Dec/166

Students Attendance

S.No.	Register Number	Name	Signature
1	22-CC-109	Rinase Jathima	RJ
2	22-CC-102	Malitha Sherin	MS
3	22-CC-88	Aravathi .S	AS
4	22-CC-89	Aravathi .S	AS
5	22-CC-91	Aravathi .S	AS
6	22-CC-92	Aravathi .S	AS
7	22-CC-93	Aravathi .S	AS
8	22-CC-101	Aravathi .S	AS
9	22-CC-108	Aravathi .S	AS
10	22-CC-111	Aravathi .S	AS
11	22-CC-117	Aravathi .S	AS
12	22-CC-119	Aravathi .S	AS
13	22-CC-142	Aravathi .S	AS
14	22-CC-22	Aravathi .S	AS
15	22-CC-15	Aravathi .S	AS
16	22-CC-09	Aravathi .S	AS
17	22-CC-19	Aravathi .S	AS
18	22-CC-33	Aravathi .S	AS
19	22-CC-30	Aravathi .S	AS
20	22-CC-37	Aravathi .S	AS
21	22-CC-06	Aravathi .S	AS
22	22-CC-07	Aravathi .S	AS
23	22-CC-23	Aravathi .S	AS
24	22-CC-12	Aravathi .S	AS
25	22-CC-10	Aravathi .S	AS
26	22-CC-25	Aravathi .S	AS
27	22-CC-114	Aravathi .S	AS
28	22-CC-87	Aravathi .S	AS
29	22-CC-107	Aravathi .S	AS
30	22-CC-90	Aravathi .S	AS
31	22-CC-150	Aravathi .S	AS
32	22-CC-172	Aravathi .S	AS
33	22-CC-164	Aravathi .S	AS

Head of the Department
UG Department of Commerce (CA)
N.G.M. College, (Autonomous), Pollachi - 642 001



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34	22 CC - 82	Deepika K.	D. J.
35	22 CC - 158	Kavya Banerjee - M.	Kanishk K.
36	22 CC - 159	Kanishk K.	Kanishk K.
37	22 CC - 158	Shreya	Shreya
38	22 CC - 155	Prakruti V.	Prakruti V.
39	22 CC - 157	Prakruti S.	Prakruti S.
40	22 CC - 173	Selva Rajan	Selva Rajan
41			
42			
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Head of the Department
UG Department of Commerce (CA)
NGM College, (Autonomous), Pollachi - 642 001



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N.G.M. College, Pollachi - 642 001
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2. National Energy Conservation Day – Department of Chemistry – 14.12.2023



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Pollachi - 642001




DEPARTMENT OF CHEMISTRY (AIDED)

IN ASSOCIATION WITH
INSTITUTION'S INNOVATION COUNCIL (IIC)
JOINTLY CELEBRATING
NATIONAL ENERGY CONSERVATION DAY



RESOURCE PERSON

Dr. A. Logamadevi,
Associate Professor & Head,
Department of Botany,
NGM College, Pollachi – 642001

“SAVE ENERGY AND LIVE GREEN”

Date: 14.12.2023 Time: 10.00 AM To 12.00 NOON Venue: A-114

PRESIDENT Dr.R.Muthukumaran PRINCIPAL	CONVENOR Dr.Indumathy Ramasamy HOD	Organizing Committee Dr. T. Gowrani Dr. N. Neelakandeswari Mr. K. Pradeep
Dr.M.Amutha IIC Convenor	Dr.M.Selladurai IIC Faculty Co-Ordinator	




Dr. R. MUTHUKUMARAN,
M.A., M.PHIL, B.ED.,
PRINCIPAL -
N.G.M. College, Pollachi - 642 001
Coimbatore District

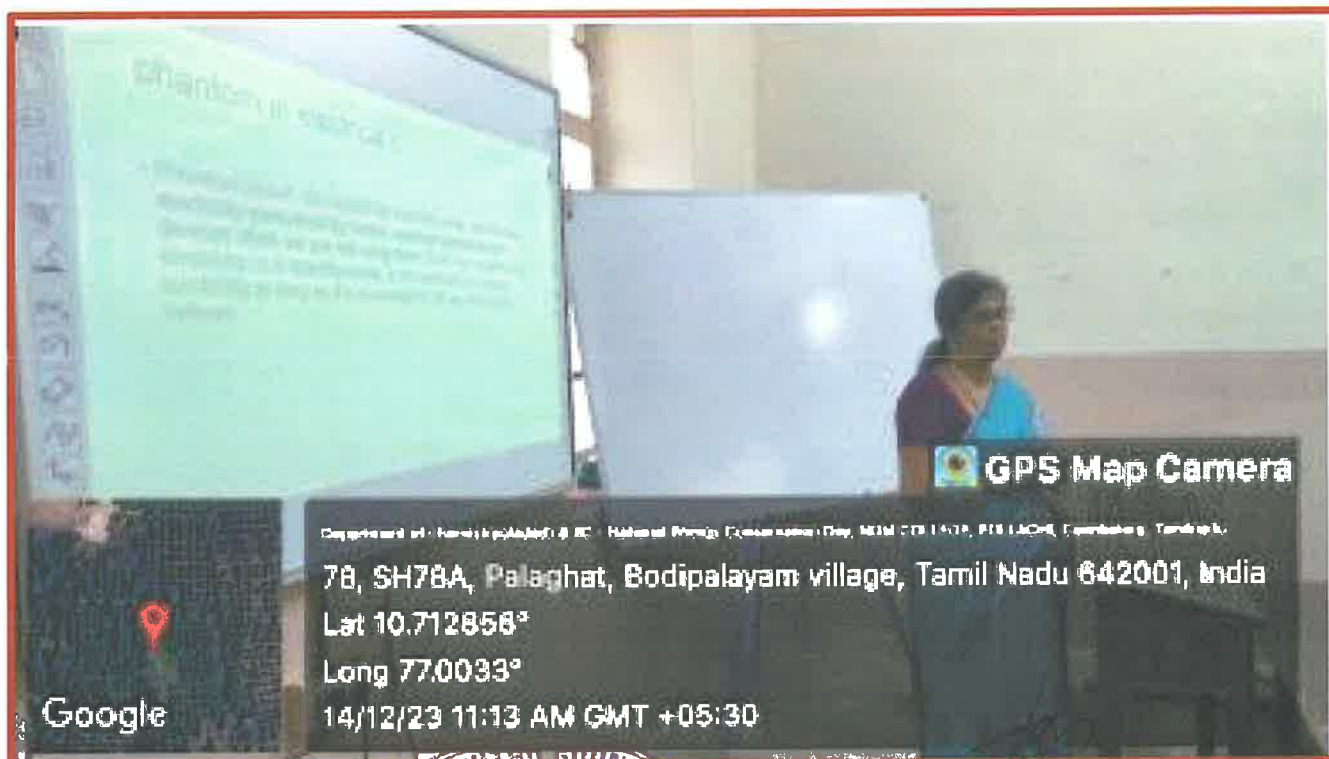


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REPORT

Ref. No: IQAC/2023 - 2024 / DEC/162

The Institution's Innovation Council and Department of Chemistry (Aided), NGM College, jointly celebrated "National Energy Conservation Day" a motivation program "Save Energy and Live Green". Dr. Indumathy Ramasamy, Assistant Professor & Head, delivered the welcome address.

Chief Guest of the seminar, Dr. A. Logamadevi, Associate Professor & Head, Department of Botany, NGM College, Pollachi to address the importance of energy conservation. By using energy-efficient appliances, turning off lights and electronics when not in use, and properly insulating our homes, we can significantly reduce our energy consumption. Finally she insisted the three R's - Reduce, Reuse and Recycle - should guide our daily choices.

She conclude saving energy and living green is not just a responsibility and it is an opportunity for positive change. Each one of us has the ability to contribute to a healthier planet for current and future generations. By making conscious choices, adopting sustainable practices, and advocating for environmentally friendly policies, we can create a brighter and greener future.

About 5 faculty members and 42 students attended the session and revealed that this session was very useful and motivating in lighting the entrepreneur skills and life skills. Dr. M. Selladurai, IIC Faculty Co-ordinator, proposed a vote of thanks.




Dr. R. MUTHUKUMARAN,
 M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL,
 N.G.M. College, Pollachi - 642 001
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3. International Conference on Recent Advancements in Computational Nanoscience and Energy Storage Technology - 2023



EXECUTIVE ORGANIZING COMMITTEE

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Dr. R. Muthukumar

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**INTERNATIONAL CONFERENCE ON
RECENT ADVANCEMENTS IN
COMPUTATIONAL NANOSCIENCE AND
ENERGY STORAGE TECHNOLOGY - 2023**

Sponsored by
NISER
OST - SERB

Organized by
**POST GRADUATE AND RESEARCH
DEPARTMENT OF PHYSICS**

(ICCNST - 23)
July 13 & 14, 2023

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Pollachi - 642001, Tamil Nadu, India
www.ngmc.org | iccnst23@gmail.com



ABOUT THE INSTITUTION

Nallamuthu Gounder Mahalingam College (NGMC), affiliated to Bharathiar University, Coimbatore was established in 1957 to fuel the knowledge economy of Pollachi by engaging itself in providing quality education to the youth. College has grown consistently over the years spreading its wings far and wide to offer variety of educational programs under one roof for over 60 years. Two great philanthropists late Thiru S.P. Nallamuthu Gounder and Late Arundel Padmabharan Dr. M. Mahalingam having an idealistic vision to impart holistic education to cater to the needs of higher education to those who aspire for excellence in knowledge and values started an organization called Pollachi Kalvi Nilayam in a sprawling campus of 26 acres. Later it renamed as NGMC College in 1957. The college has achieved greater academic distinctions with the introduction of autonomous system from the academic year 1987-88. The college has blossomed into a premier post-graduate and research institution offering 26 UG, 12 PG, 13 M.Phil and 10 Ph.D programs, apart from diploma and certificate courses. The college has been re-accredited by NAAC and is an ISO 9001:2015 certified institution. The total student strength is around 8000. NGMC College celebrated its Diamond jubilee in 2017 and the college has been ranked within Top 100 in India under NIRF-2023. The College has grown into a temple of wisdom, seed bed of character, model of discipline, training ground of democracy and nursery of great hearts, strong minds, true faith and willing hands. Education in NGMC College plays a pivotal role in enlightening the minds of the youth and enhancing the skills by harnessing all the available resources to empower the nation.



ABOUT THE DEPARTMENT

The ultimate goal of the department is to bring eminence and excellence in teaching learning process, ignite and train young minds by constantly pushing the boundaries, to instigate curiosity and assist towards the holistic development of the students. The department is equipped with dedicated and committed faculty who ensure that the students are able to exercise the maximum potential to achieve academic excellence and build productive career in their chosen field of interest. The staff members play an integral role in intensifying the learning environment by actively involving themselves in diverse fields of research such as Solar cells, Lithium ion batteries, Polymer electrolytes, Luminescent devices, Sensors, Molecular quantum mechanics, supercapacitors etc. and support the institutional mission by way of publications and projects.



ABOUT CONFERENCE

The conference aims to improve and continue communication among the researchers in Theoretical and Experimental Physics related fields. It is anticipated that this conference will provide an outstanding opportunity for participants to exchange ideas and promote discussions on recent advances in the field of Computational Nanoscience and Energy Storage Technology. The theme of the conference will be "state-of-the-art" performance of nano materials for future technologies. The scientific deliberations at the conference will cover a wide range of topics in condensed matter physics in the form of invited talks, contributory papers, and panel discussions.

CONFERENCE TOPICS

The scope of the conference will cover but is not limited to the following areas:

- Solar Cells
- Batteries
- Polymer Electrolytes
- Functional Materials
- Nano Materials
- Biophysics
- Thin Film Physics
- Plasma Physics
- Non linear Dynamics
- Molecular Quantum Mechanics
- Supercapacitors
- Optoelectronics
- Luminescent Materials / Devices
- Pharmaceutical Materials
- Energy Materials
- Theoretical Physics
- Applied Physics
- Crystal Growth

TECHNICAL CO-ORDINATORS

Dr. V. SARAVANAN
Assistant Professor
Department of Physics
NGMC College, Pollachi-642001,
Tamil Nadu, India
v.saravanan@ngmc.org
v.saravanan@ngmc.org

Dr. K. SOMASUNDARAM
Assistant Professor
Department of Physics
NGMC College, Pollachi-642001,
Tamil Nadu, India
k.somasundaram@ngmc.org
k.somasundaram@ngmc.org

REGISTRATION FEES

Students	Rs. 300
Research Scholars	Rs. 500
Faculty Member	Rs. 750
Industry Person	Rs. 1000

IMPORTANT DATES

Last date for abstract submission	JUNE 28 th 2023
Notification of acceptance	JULY 03 rd 2023
Last date of submission of paper	JULY 07 th 2023
Last date for Registration	JULY 10 th 2023

© 2023. Authors are encouraged to submit their abstracts to the conference.



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M.A., M.Phil., B.Ed., Ph.D.,
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4. National Energy Conservation Day - Institution's Innovation Council - 14.12.2022

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IQAC/2022-23/DEC/178

INSTITUTION'S INNOVATION COUNCIL
Celebrates

Resource Person

C. JEBARAJ B.Tech., P.G.E.M
Energy Auditor
Alchemie Green Energy Company
Coimbatore

NATIONAL ENERGY
CONSERVATION DAY

Coordinators

Dr. M. Amutha
IIC Convener

Dr. A. Srividhya
NAAC Criterion Manager

Dr. R. Rakkimuthu,
IIC Co-Convener

Dr. P. Archanaa
NAAC Criterion Manager

Dr. R. Muthukumaran
IIC President / Principal

Date: 14.12.2022, 3.00 PM

Online Platform: ZOOM



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Initiative/Commitment by Government

- Petrol- 20% Ethanol
- Biodiesel
- Bharath stage- VI fuel
- Promotion of E Vehicle
- Usage of LNG for vehicle
- Green Hydrogen generation
- Power Generation from Agricultural Biomass
- 500 GW non-fossil power generation capacity by 2030
- 50 % Energy requirements from Renewable Energy by 2030
- To cut down the emission by 1 billion tons by 2030
- Net-zero carbon by 2070

NATURE EMPOWERED

What is Energy Efficiency?

- Energy Efficiency is doing more with the same amount of energy or less energy.
- 28w BLDC fan consume 32w less power per hr. compare to conventional fan with 60w power
- For a house, usage of 14 hrs. per day, it saves 164 units per year
- 20w LED Light save 20w power per hr. compare to 40w conventional tube light
- For a house, usage of 10 hrs. per day, it saves 73 units per year

NATURE EMPOWERED



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CO2 Emission/Avoided

- For one unit of electrical energy consumption 0.79 Kg of CO₂ is emitted to the atmosphere
- One unit of energy saved is equal to two unit of energy generation avoided at source
- 1KW Solar power plant produces 4.1 units/day
- One Fully grown tree absorbs 22 Kgs of CO₂ per year

NATURE EMPOWERED

Why Do Our Efforts to Conserve Energy Matter?

- Financial Benefits:** Save money
- Ethical:** Do the right thing
- Equity:** Climate change affects all of us, especially those of us who have the least
- Caring About Future Generations:** What is our legacy?
- Doing Our Part:** Being good stewards of our planet
- Energy Independence:** Less energy used = Independence

NATURE EMPOWERED



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Bureau of Energy Efficiency

Star Rating of Appliances

- 8 Mandatory Labelled Appliances
- 13 Voluntary Labelled Appliances

National Mission for Enhanced Energy Efficiency

- Perform, Achieve & Trade (PAT)
- Market Transformation for Energy Efficiency (MTEE)
- Framework for Energy Efficient Economic Development (FEEED)
- Energy Efficiency Financing Platform (EEFP)

Demand Side Management

- Agriculture DSM
- Municipal DSM
- Energy Efficiency in SMEs

Buildings

- Energy Conservation Building Codes
- Retrofit in old buildings
- Residential Building Guidelines

Awareness

- Energy Conservation Awards
- Painting Competition
- State Designated Agencies

ENERGY AS LIFE

NATURE EMPOWERED

Energy Conservation

Turn off computer

NATURE EMPOWERED



Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District



Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.

95th Rank in NIRF – 2023 among Colleges in India.



REPORT OF THE EVENT

Institution's Innovation Council celebrated National Energy Conservation Day on 14th Dec 2022 by organizing a special lecture on Energy Conservation. The webinar aimed at raising awareness on energy savings and its positive economical and environmental impact. C. Jebaraj, Energy Auditor, Alchemy Green Energy Company, Madurai, the speaker at the occasion, drew attention to the catastrophic effects of carbon emission and the depletion of energy resources in the present-day world. He said that the increasing energy demand reflects the growing needs of a developing country and he emphasized on the need to make this increase in energy demand more consistent with sustainable development. He discussed a number of government initiatives on energy efficiency and conservation and government agencies like Bureau of Energy Efficiency that works with the primary objective of reducing energy intensity of the Indian economy. He also sensitized the students on energy efficiency by giving them practical tips like using natural light, turning off computer and light and fan switches when not in use, using energy efficient appliances and going solar. He concluded by highlighting the importance of Skill Development and awareness Training Programs for Promoting a better understanding of energy conservation for the sake of world's population and future generations. The webinar had more than seventy student participants. It made them realize that they are not only the stakeholders but also contributors to global energy crisis. Their key takeaway from the meeting was their learning on saving energy in small ways.




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7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures.

Circular to reduce energy consumption within the campus



NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

(AUTONOMOUS AND AFFILIATED TO BHARATHIAR UNIVERSITY)
Re-Accredited by NAAC
An ISO 9001 : 2015 Certified Institution
Aided by the Government of Tamil Nadu
POLLACHI - 642 001.

Phone : 04259 - 234868, 234870
Mobile : 99429 06687
Fax : 04259 - 234869
E-Mail : ngmc@ngmc.org

Dr. R. Muthukumar, M.A., M.Phil., B.Ed., Ph.D.,
Principal

DATE 08.04.2022

Ref: NGM/PR/2022/028

CIRCULAR

Warm Greetings!

In view of the recommendations made in the Eco/Environmental audit report of the college, the staff and the students campus. requested to adhere to the following strictures to reduce energy consumption within the

1. Switch off fans and lights when not in use.
2. Turn off computers and printers when not in use and plug them off at the close of the day.
3. Reduce lighting and use natural daylight as far as possible.
4. Use water judiciously. Don't let the water run while hand washing.
5. Turn off the tap when not in use.

Let us conserve energy today to preserve our environment for tomorrow


PRINCIPAL





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NGM COLLEGE, POLLACHI





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Certificate of Accreditation from National Rural Institutions Sustainability Grading





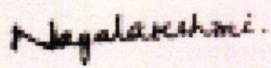
भारत सरकार / Government of India
 महात्मा गांधी राष्ट्रीय ग्रामीण शिक्षा परिषद / Mahatma Gandhi National Council of Rural Education
 उच्च शिक्षा विभाग / Department of Higher Education
 शिक्षा मंत्रालय / Ministry of Education

Certificate of Accreditation

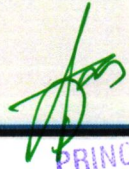
This is to certify that Nallamuthu Gounder Mahalingam College,
POLLACHI, COIMBATORE, TAMIL NADU is graded as

Parameters	Green Cover on campus	Surface Water Harvesting	Rooftop Water Harvesting	Rooftop Solar System	Waste Management
Grades	A+	A	A+	A	A

for the academic year of 2022-23 in Phase 1 of the
National Rural Institutions Sustainability Grading (NRISG)


Member Secretary

Date: March 2023
Certificate NO: MGNCRE/NRISG/1008


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N G M COLLEGE, POLLACHI

