



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.



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

Use of LED Bulbs / Power Efficient Equipment

The institution has taken proactive measures towards sustainability by replacing conventional incandescent lights with LED lights. In 2024 the institution has switched to 100% LED lighting.

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
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 Re-Accredited by NAAC
 An ISO 9001 : 2015 Certified Institution
 Aided by the Government of Tamilnadu
POLLACHI - 642 001.

Phone 04259 - 234868, 234870
Mobile 99429 06687

Fax: 04259 - 234869

E-Mail : ngm@ngmc.org

DATE: 20/03/2024

ENERGY SAVINGS

Below are the details for energy savings in our Institution

Particulars	Unit / Amount
Conventional Tubelight energy consumption	40 watts / Hr
LED Tubelights energy consumption	20 watts / Hr
Savings per LED tubelight	20 watts / Hr
No. of hours usage per day	10 hrs
No. of Days working	252 Days
Energy savings per LED tubelight per year	50 units
252 x 10 x 20 = 50400 WH	
Average energy cost= Rs. 8.70 / unit + 5% Tax	Rs. 9.135 / units
Cost saving per year per LED tubelight = 50 x 9.135 = 456.75	
Cost saving per month	Rs. 38.00
Cost of LED Tubelight	Rs. 140.00

Replacement of 500 LED Tube lights Rs 140 x 500	Rs. 70000
Cost saving for 500 LED Tubelights Per year	Rs. 228375
Energy savings for 500 LED Tubelights	25000 units / year
Payback period	3.7 months

Electrical Engineer

Manager-Administration

Principal
PRINCIPAL
 N G M COLLEGE, POLLACHI

Criteria: **VII : Institutional Values and Best Practices**

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Number of LED Lights in the College

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DATE 12.04.2024

Number of LED Lights

LED Lights	2018 - 2019	2019 - 2020	2020-2021	2021-2022	2022-2023	2023 - 2024
'A' Block	159	159	250	306	486	566
'B' Block	-	-	9	49	49	251
'C' Block	102	105	105	105	140	183
'D' Block	149	149	149	149	149	149
Boys Hostel	4	5	5	5	13	93
Girls Hostel	2	5	5	5	10	40
Yoga Hall	-	-	4	4	4	24
Auditorium	84	84	84	84	84	84

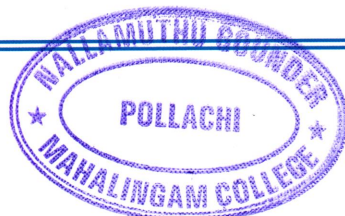
Electrical Engineer

Manager - Administration

Principal
NGM COLLEGE, POLLACHI

Criteria: **VII : Institutional Values and Best Practices**

PRINCIPAL
 N.G.M.COLLEGE, POLLACHI



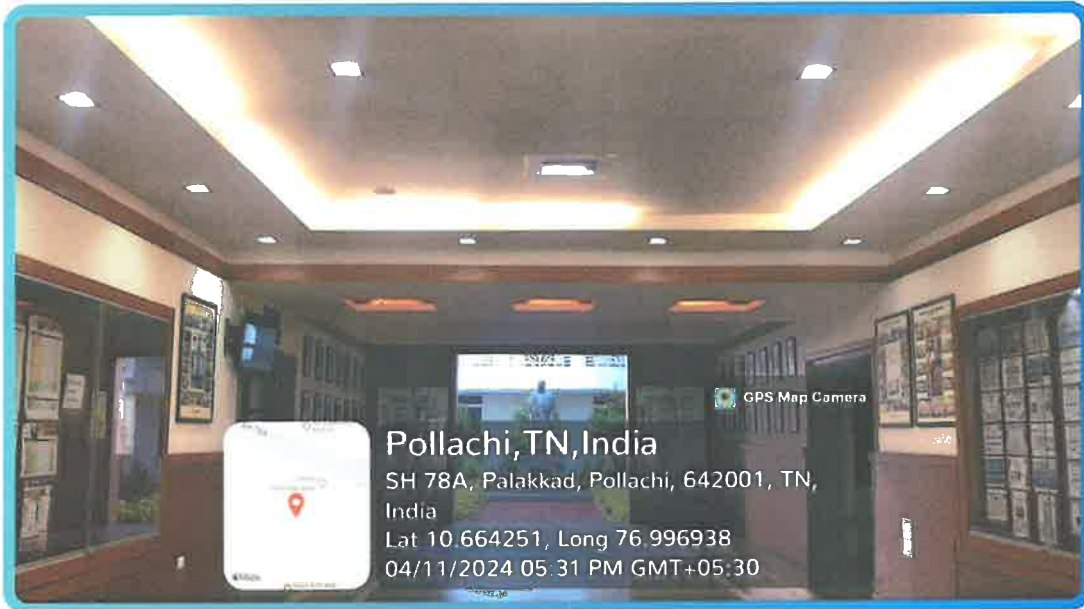


Nallamuthu Gounder Mahalingam College

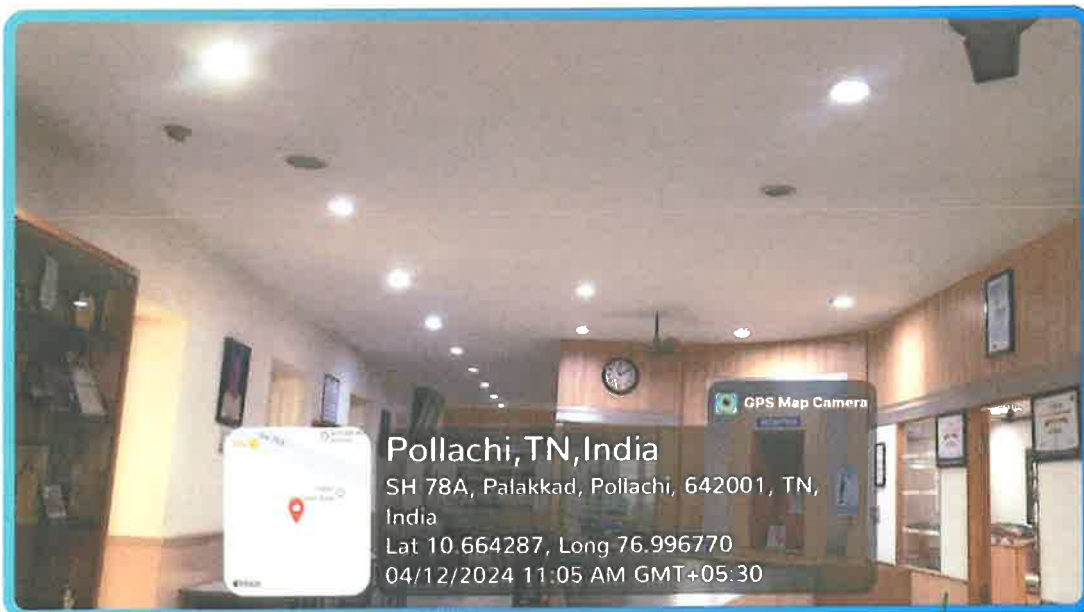
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LED LIGHTS - 'A' BLOCK Reception



Office



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

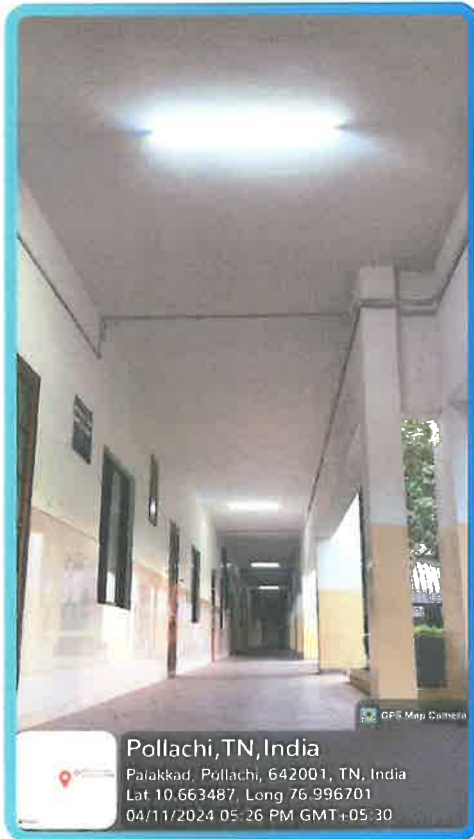


Nallamuthu Gounder Mahalingam College

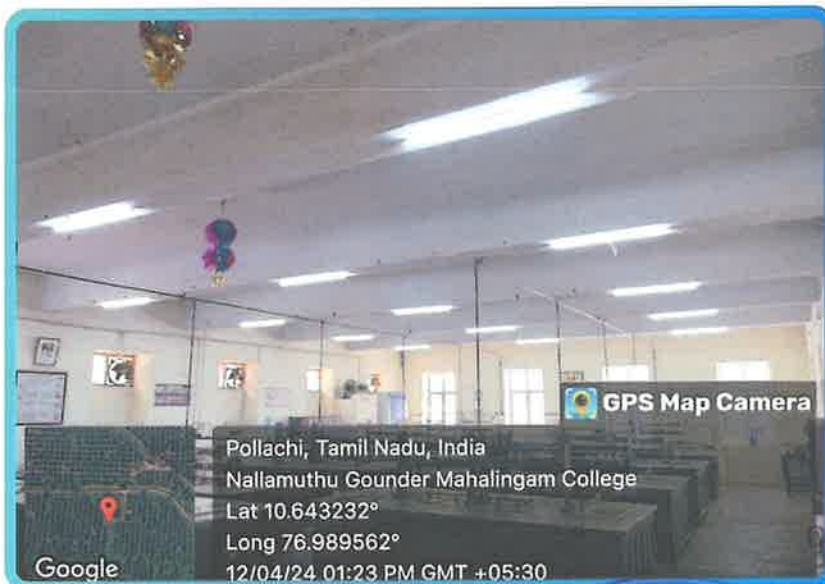
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'A' Block Corridor



Chemistry Lab



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Coimbatore District



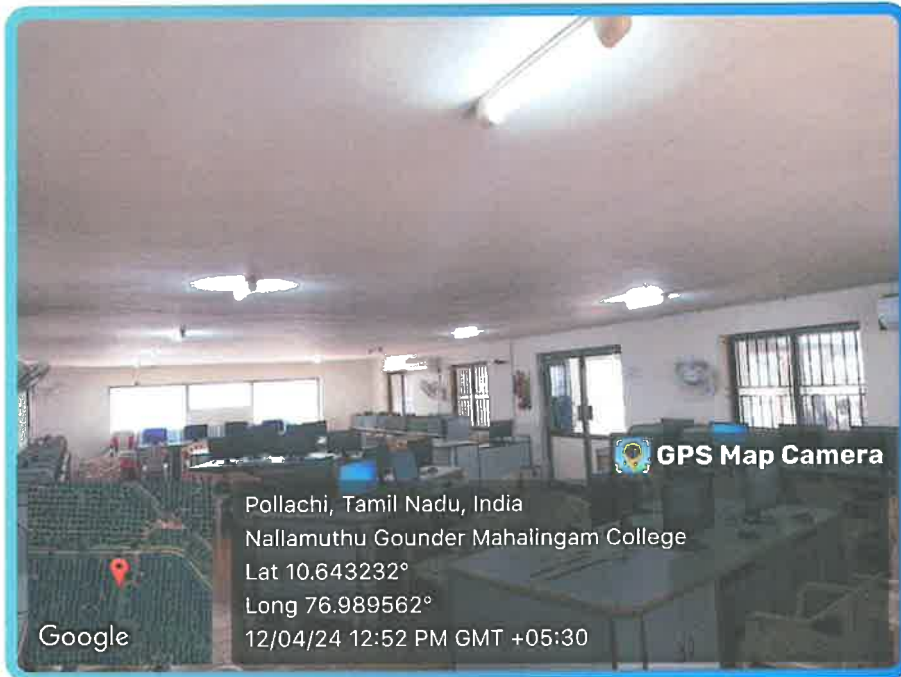


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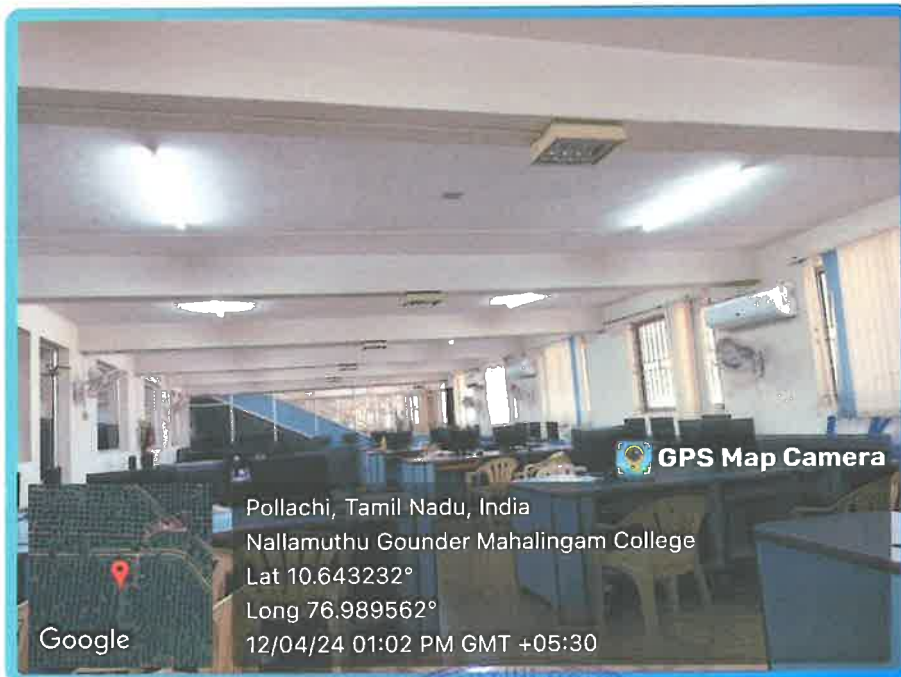


'B' Block Computer Labs



Google

Pollachi, Tamil Nadu, India
 Nallamuthu Gounder Mahalingam College
 Lat 10.643232°
 Long 76.989562°
 12/04/24 12:52 PM GMT +05:30



Google

Pollachi, Tamil Nadu, India
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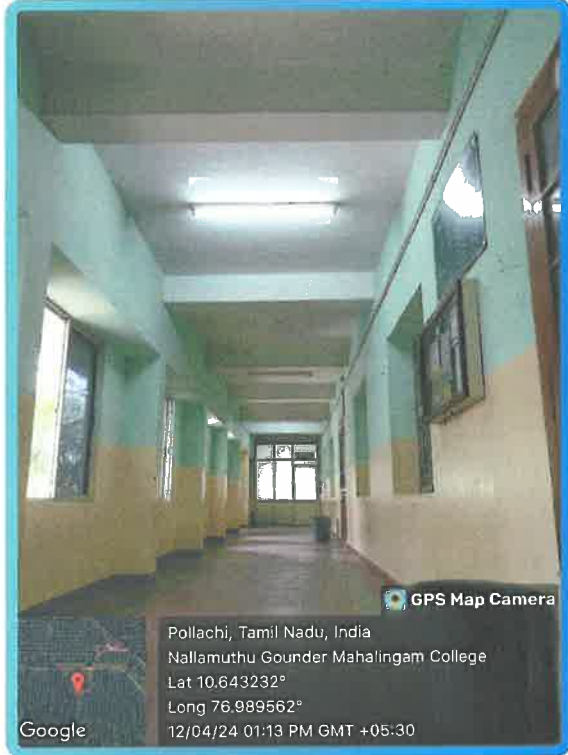
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'B' Block Corridor



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'C' Block Library and Corridor





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'D' Block Corridor



Department



[Signature]
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Arutcheelvar Arangam



Vivekanandar Arangam and Prof.M.Aikondan Hall



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Power Efficient Equipment Star Rated - Air Conditioner



High Volume Low Speed Fans at Arutcheivar Arangam



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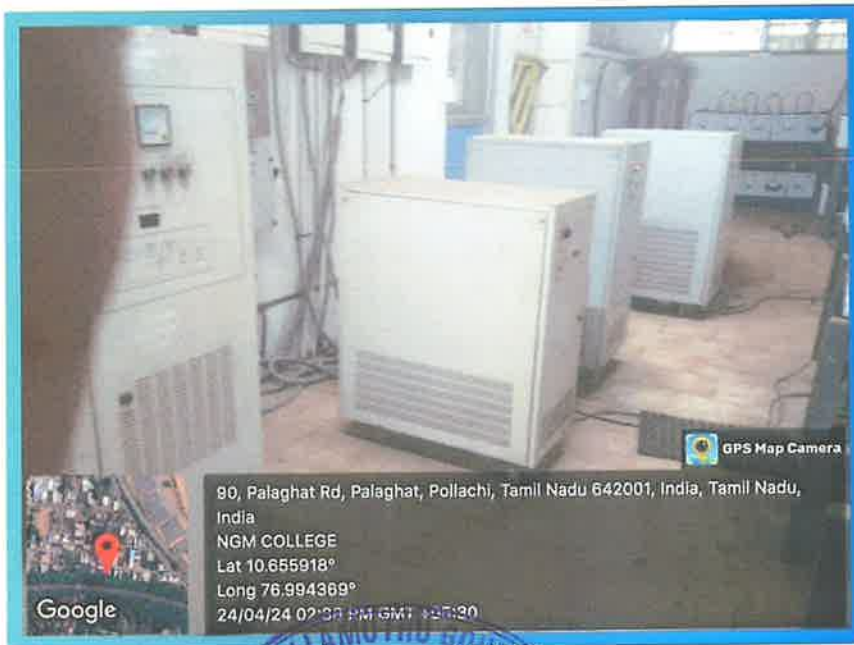
UPS Room - 1



UPS Room - 2



UPS Room - 3



(Signature)
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