



Sadakathullah Appa College

*An Autonomous Institution, Re-Accredited by NAAC at an 'A' Grade, *ISO 9001 : 2015 Certified*

AQAR

(2020-2021)

CRITERION VII

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1.2 FACILITIES FOR ALTERNATE SOURCE OF ENERGY

LED BULBS

Submitted to

THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)





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7.1.2

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

LED bulbs / power efficient equipment

Since electricity consumption forms the bulk of the running cost of light fixtures, an energy efficient option like LED bulbs have been installed to save energy consumption and save money in the long run. As such, the premises have LED lights, fulfilling 43% in terms of number and 21% in terms of power consumption.



LED bulbs on College Premises

4.6 Lights

4.6.1 Types of lights

There are a total of **1,402 Lights in the premises**; the following table shows the various types of lights in the premises.

| S. No. | Type | Nos. |
|--------|----------------------------|--------------|
| 1 | CFL | 56 |
| 2 | Halogen | 27 |
| 3 | LED | 607 |
| 4 | Low intensity incandescent | 46 |
| 5 | Mercury vapour lamp | 1 |
| 6 | Sodium vapour lamp | 1 |
| 7 | Non-LED | 652 |
| 8 | Solar lights | 12 |
| Total | | 1,402 |

Table 7: Summary of the types of Lights in premise

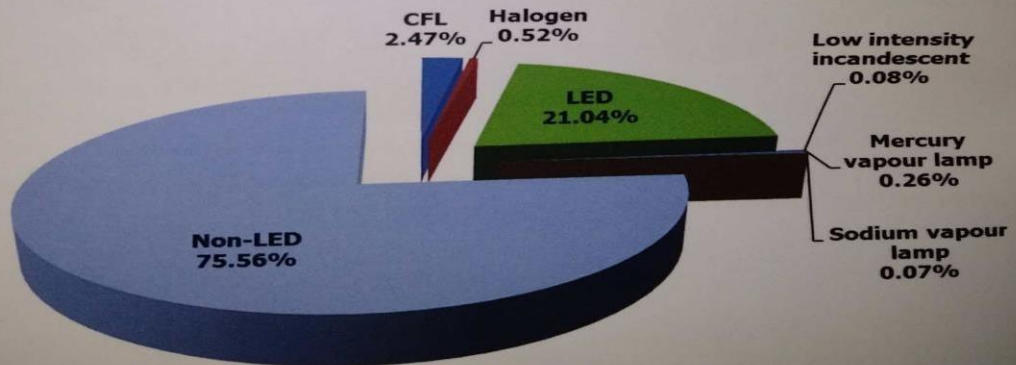
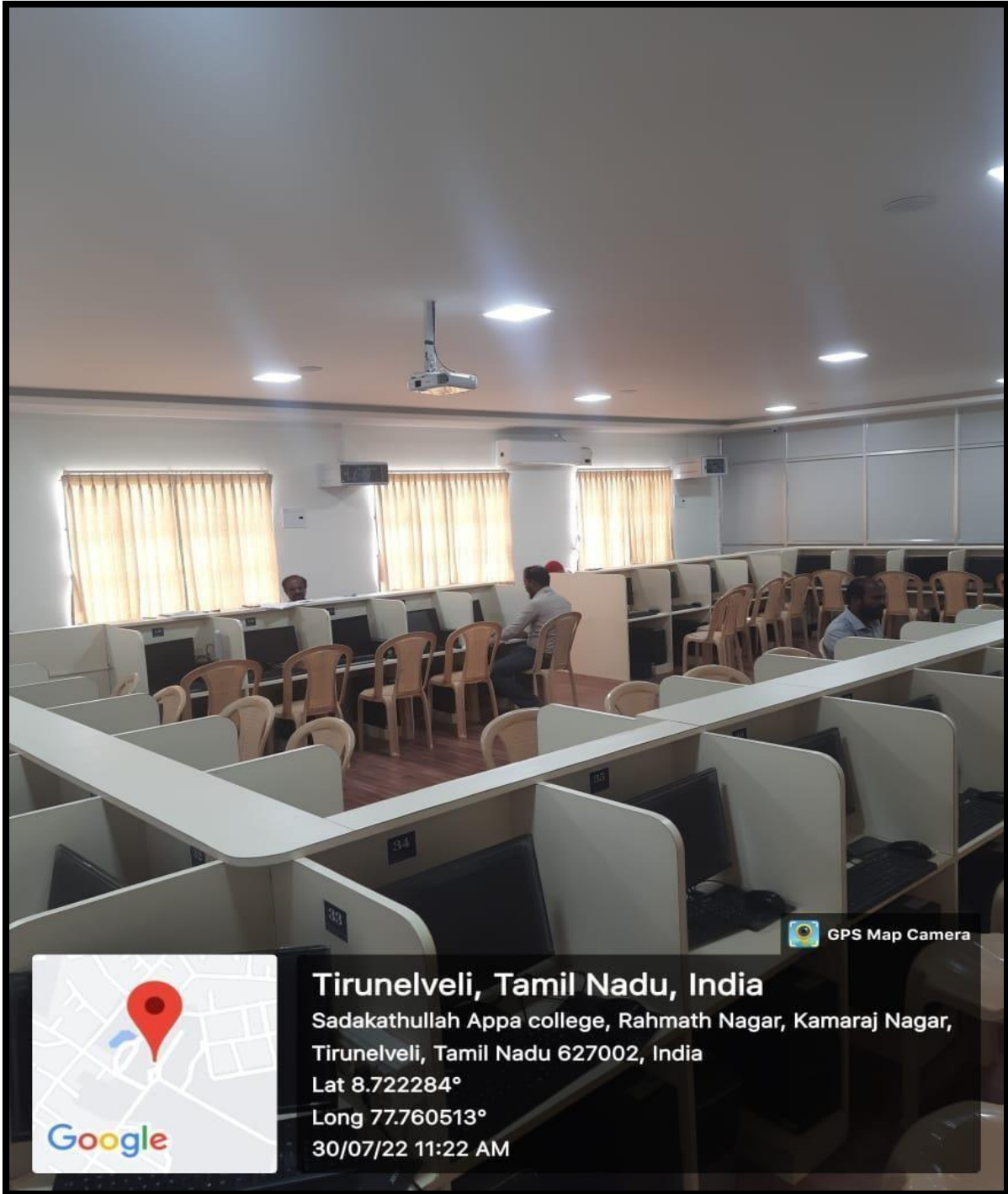


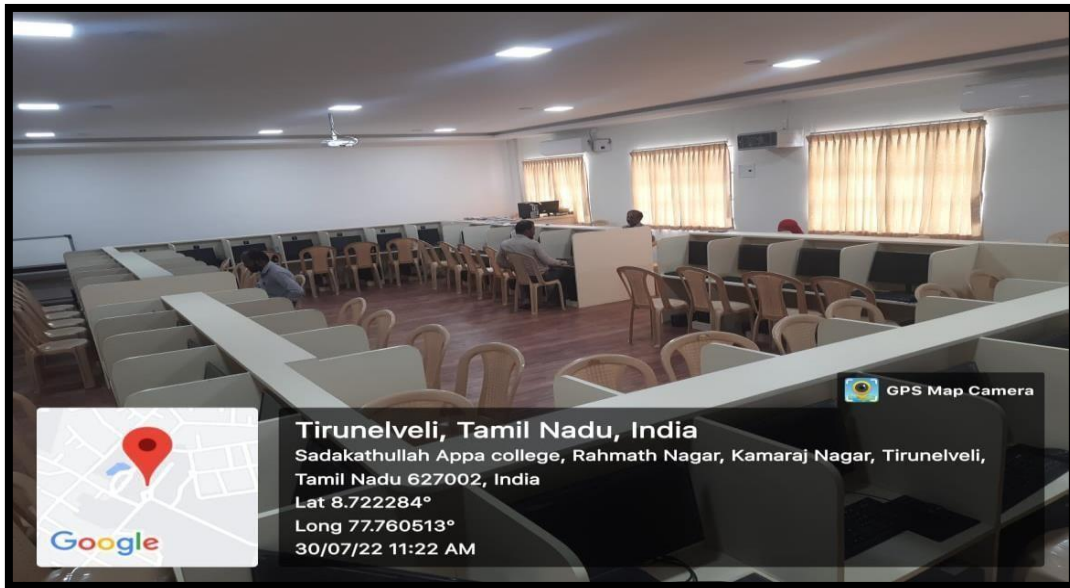
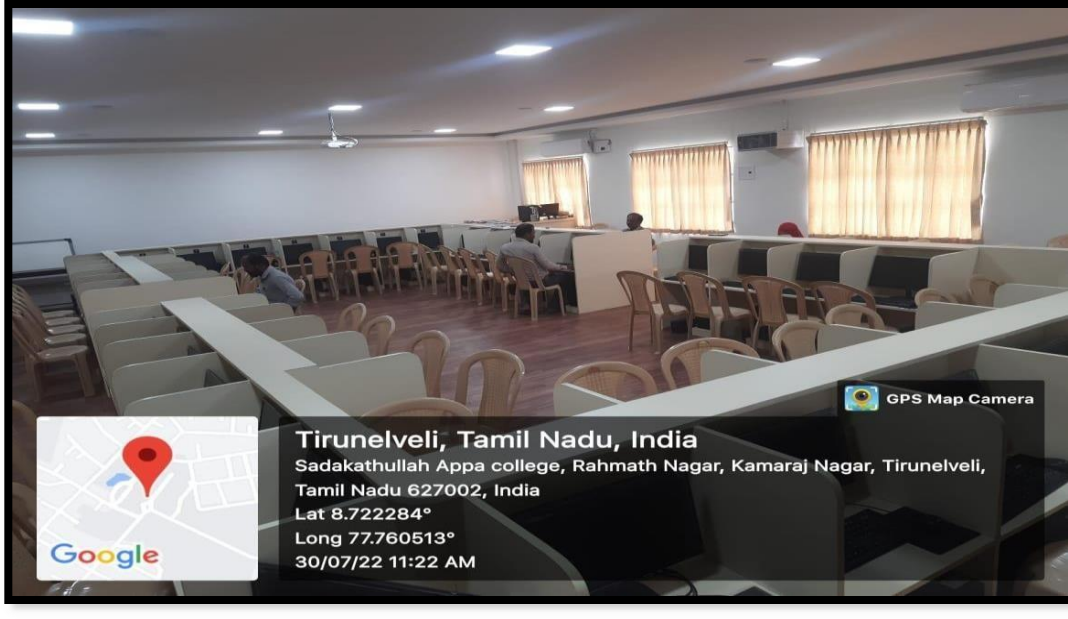
Figure 4: Energy consumed by Types of Lights in the premise based on the usage study

LED bulbs on College Premises

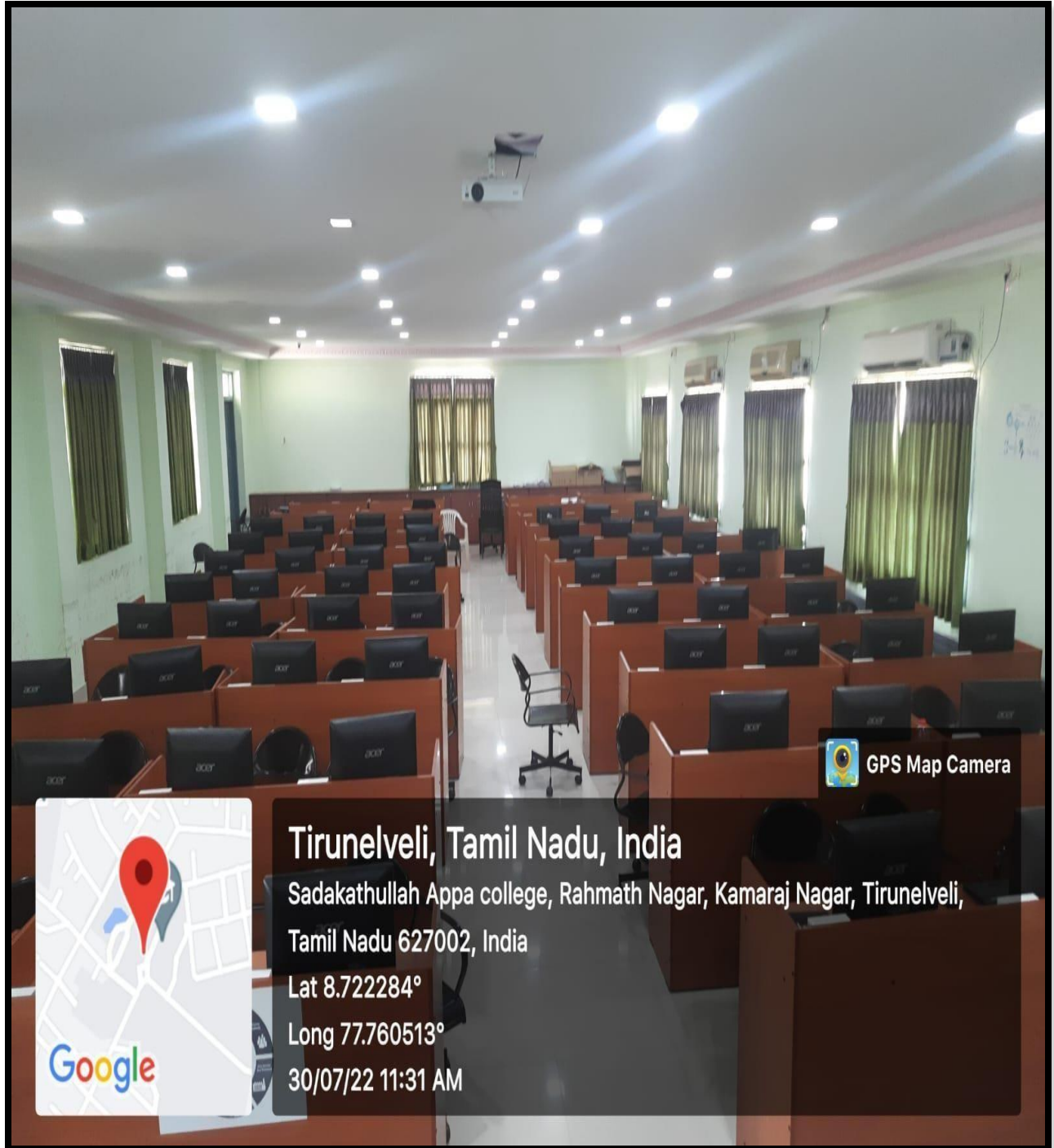



LED bulbs in the Language Lab

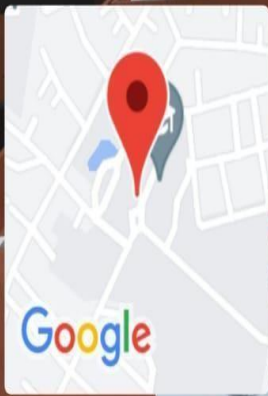




LED bulbs in the Computer Science Laboratory



 GPS Map Camera



Tirunelveli, Tamil Nadu, India

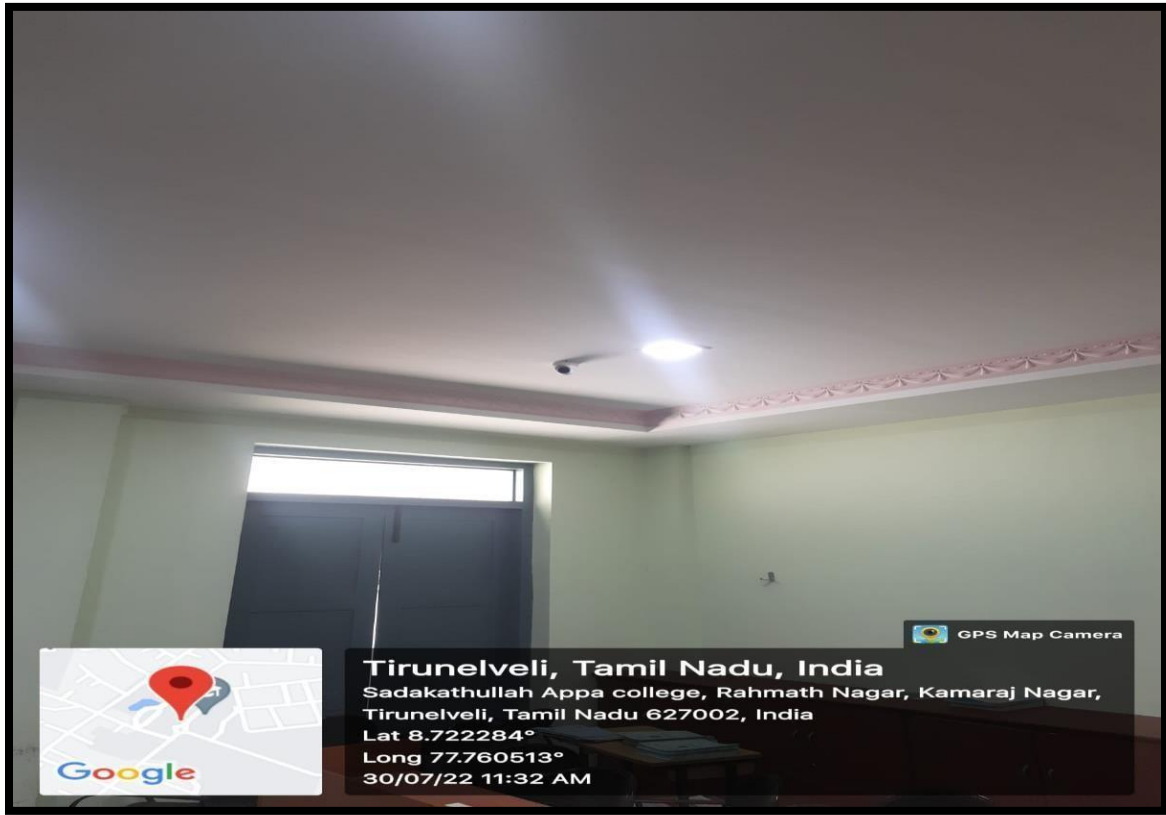
Sadakathullah Appa college, Rahmath Nagar, Kamaraj Nagar, Tirunelveli,
Tamil Nadu 627002, India

Lat 8.722284°

Long 77.760513°

30/07/22 11:31 AM

LED bulbs in the Seminar Hall



LED Bulbs in the Auditorium

