



# Sadakathullah Appa College

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

## AQAR

(2021-2022)

### 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		<b>1,402</b>

Table 7: Summary of the types of Lights in premise

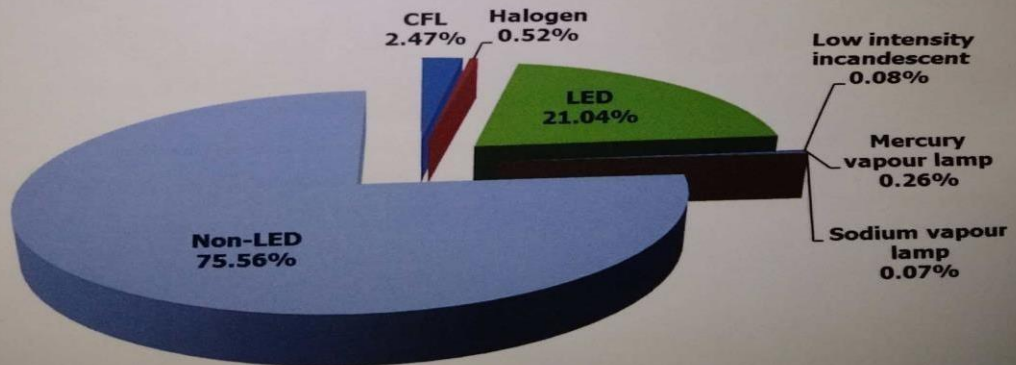
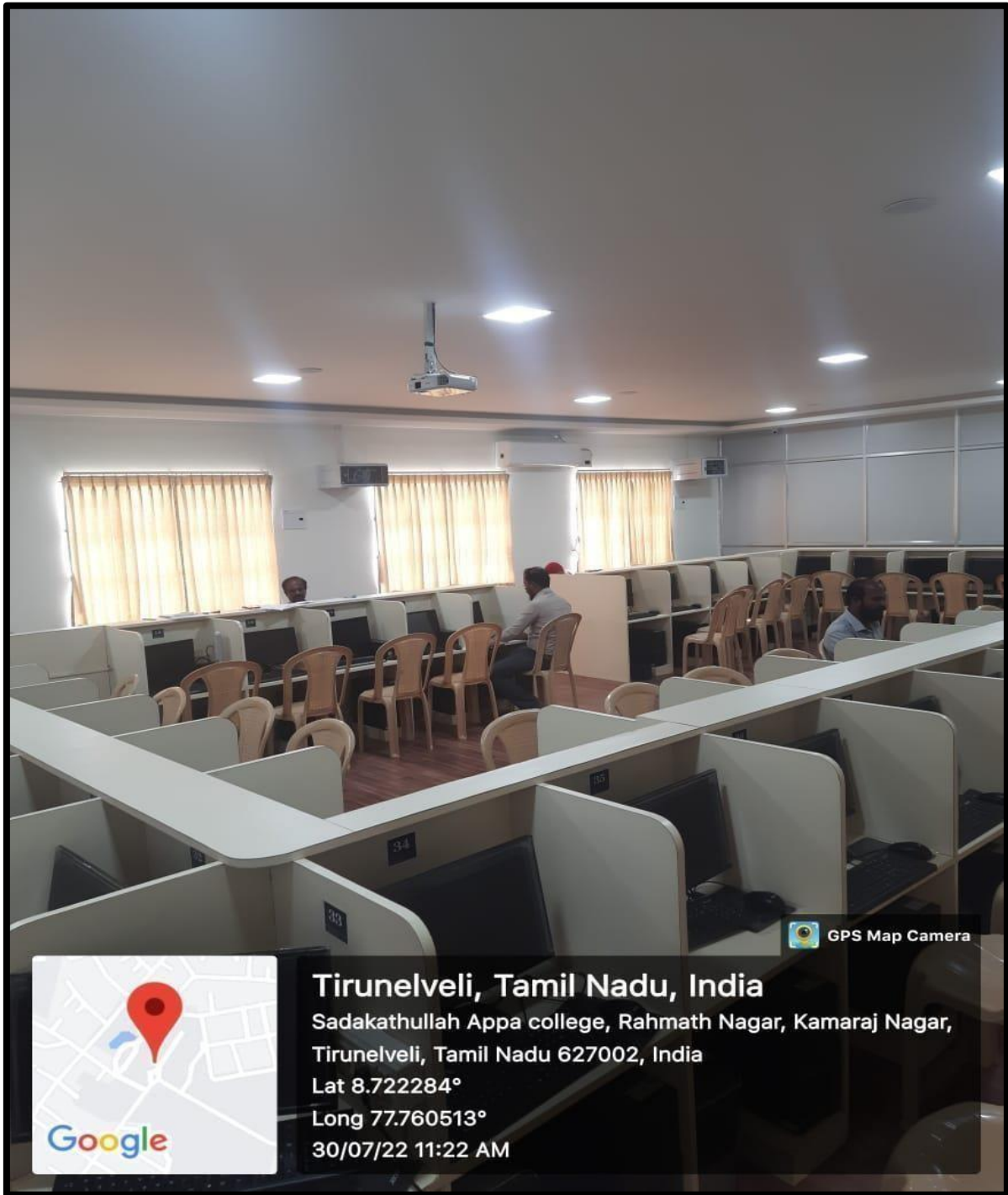


Figure 4: Energy consumed by Types of Lights in the premise based on the usage study

## LED bulbs on College Premises

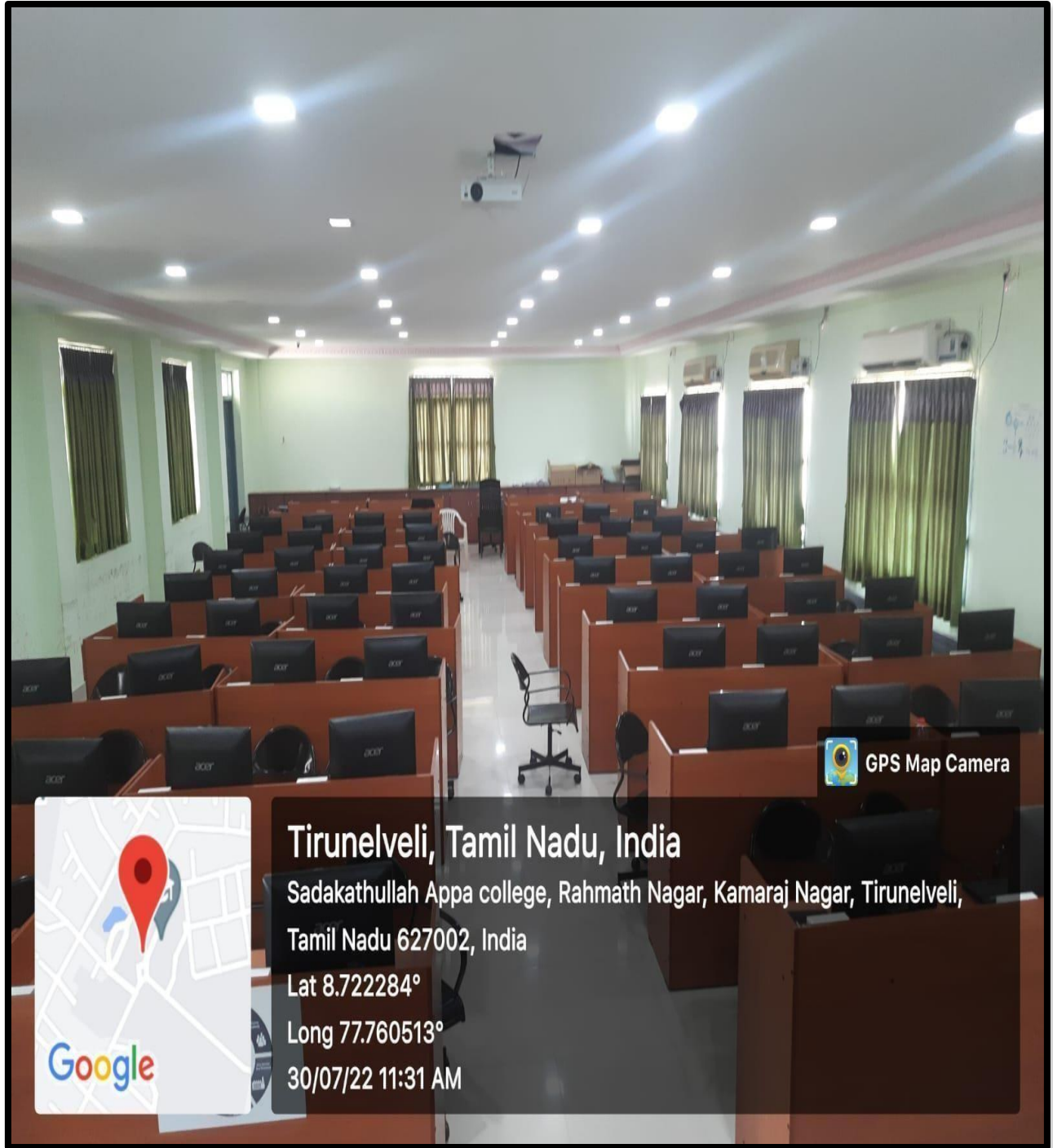


## LED bulbs in the Language Lab

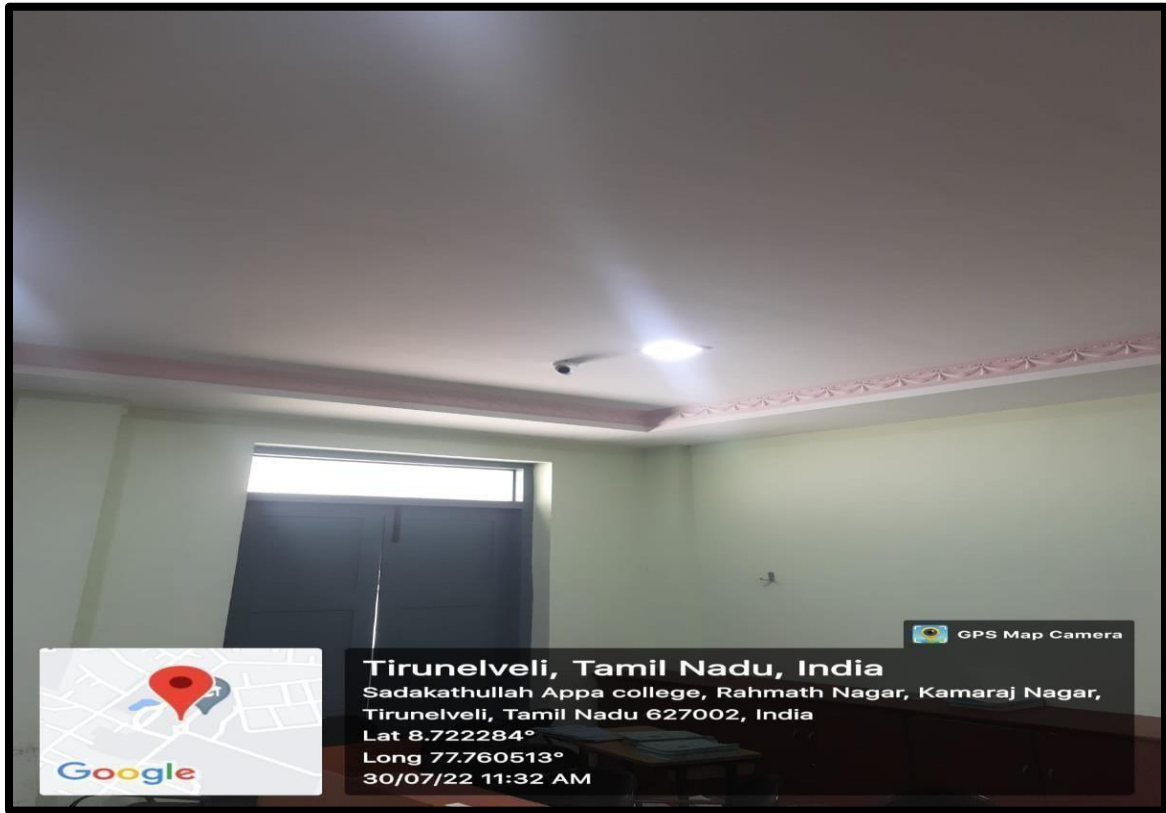




## LED bulbs in the Computer Science Laboratory



## LED bulbs in the Seminar Hall





## LED Bulbs in the Auditorium

