



THE - Impact Rankings 2021

Towards Sustainability...

7 AFFORDABLE AND
CLEAN ENERGY



Ensure access to affordable, reliable, sustainable and modern energy for all

7.2.5 Energy wastage Identification

- VIT Annually conducts and energy audit which forms the basis for the plan to reduce energy consumption
- The important concern in the campus is line losses, particularly two hostel side power houses. Primary reason is the distance and the second one is most of the time the cables are overloaded. Our energy consumption figure says that 52 % power consumption by air conditioner load. And the electrical maintenance team is frequently cleaning the compressors and settings of the A/Cs. The new buildings are fitted with efficient a/cs. And the users are advised to keep the temperature around 200C in all big A/C halls and hostel rooms. Currently three of our hostel blocks (M, N and P) are going to be replaced with centralised air conditioner unit which can save more than 30 percent of energy when compared to the individual room small air conditioner units (1 and 1.5 tons). Majority (72 %) of the lights are fluorescent tube lights of 40 W capacity. The new buildings are fitted with CFL and LED fixtures of around 20 W. Currently all the old academic blocks and hostels veranda fluorescent tube lights (40 W) are replaced with LED fittings of 18 W. The walk ways and street lights replaced with LED fixtures phased manner. During holidays the lab technicians are advised to switch off the UPS to avoid excess losses. Most of the street light and walk way lights are controlled by sun light detecting sensors.
- Last year the School of Electrical Engineering organised a week program on energy conservation awareness program. During that, with the help of lab in-charges the air conditioner usage were optimised and saved around 600 kWh per day to demonstrate the energy saving and optimised usages.