VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Towards Sustainability...

THE - Impact Rankings 2022

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

7.2.4 Plan to Reduce Energy Consumption

VIT campus is using only LED desktop monitors and televisions.

Our Data centre is adopted with energy efficient servers and HVACs.

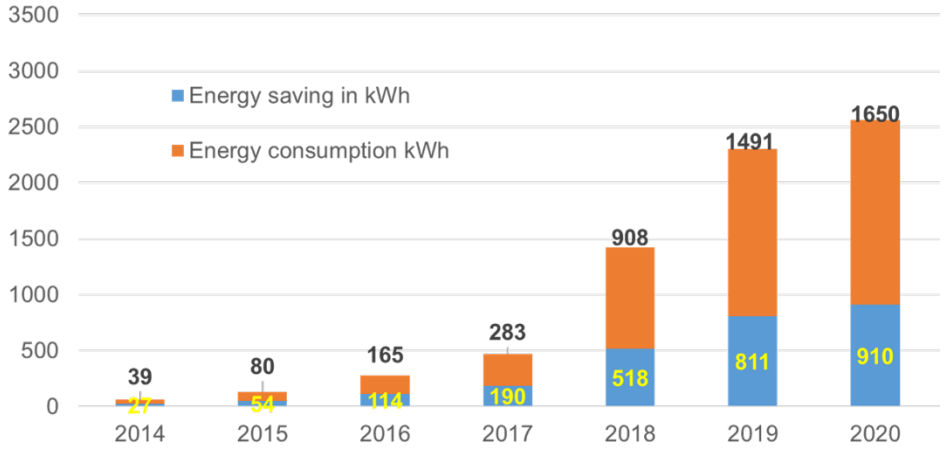
Created awareness and regularly conducting program on energy saving and conservation programs

Plan to reduce energy consumption:

1. Conventional lighting systems in some of the old buildings are replaced with LED lights in phased manner.
2. Ceiling fans getting replaced with BLDC based 5 star energy efficient fans in phased manner.
3. New Railway under Bridge walk ways of 4m x 80 Meters will be installed with roof top solar PV of 100 kW rating.
4. Through energy open exchange market the remaining power will also be procured from wind / solar -green power.
5. Occupancy sensor based electrical appliances controls are recommended
6. Planned to conduct regular awareness program on energy efficiency and saving. Suggest behavioural change against energy wastages – like forget to switch off the fans, lights, chargers, CPU and Monitors, printers, UPS also forget to close the doors of AC rooms and to switch off.
7. Planned to keep the ACs at the adoptive temperature like above 24 °C.
8. Apply load signature analysis to identify the optimal load pattern and the energy wastages.
9. Suggested the people to take stair cases at least for two floors.

Energy saving through LED:

Reduction of energy consumption due to LED lighting



Centralised Chiller system based HVAC

Radiant and surface cooling system at Gandhi block: