Total Scope 1 and 2 Carbon Emissions in tCO2e (tonnes (t) of carbon dioxide (CO2)

CO2 Emission during the Reporting year (2024-2025)

1. Electricity

- Total Electricity Consumption for the campus and residences: 62,07,259 kWh
- CO2 Emissions – 4636.82 tonnes (as per GHG standards)
- Link to the tools

kWh To CO2 Calculator | Cence Power

2. Vehicles

2a. Buses

- No. of Buses from KITS to Coimbatore -10
- Distance covered by the Vehicle per month = 2000km
- Distance covered by all the Buses = 2,40,000km
- CO2 Emission - 24.92tonnes

https://calculator.carbonfootprint.com/calculator.aspx?tab=6

2b. Cars

- No. of cars - 10
- Distance covered by the Car per month = 3000km
- Distance covered by all the cars = 3,60,000 km
- CO2 Emission - 57.02 tonnes

https://calculator.carbonfootprint.com/calculator.aspx?tab=4

CO2 Emissions (Scope 1 and Scope2 together) - 4705.11 tonnes

Note: The CO_2 Emission was 4705.11 tonnes which was marginally lesser than the CO_2 Emission during the Academic Year 2023-24 by 146.89 tonnes.

Necessary efforts are being taken to ensure reduction in CO_2 Emission in the form of replacing LED lights instead of conventional lights and also installing solar power systems.

a) Base line Year: 2015

- Total Power Consumption: 7417799 kWh
- CO2 Emission- 4989.8 tonnes

b) Reporting year (2024-2025)

- Total Electricity Consumption for the campus and residences: 6207259 kWh
- CO2 Emissions – 4705.11 metric tons