The Total Carbon Footprint (CO_2 emission in the last 12 months, in metric tons)

CO_2 (electricity)

$= \frac{electricity\ usage\ per\ year\ (kWh)}{1000} \times 0{,}84$

$= \frac{1.289.214\ kWh}{1000} \times 0{,}84$

= 1,082.93 metric tons

CO_2 (bus)

$= \frac{number\ of\ shuttle\ bus\ in\ your\ university \times total\ trips\ for\ shuttle\ bus\ service\ each\ day \times approximate\ travel\ distance\ of\ vehicle\ each\ day\ inside\ campus\ only\ (KM) \times 240}{100} \times 0{,}01$

$= \frac{4 \times 50 \times 5 \times 240}{100} \times 0{,}01$

= 2.4 metric tons

CO_2 (cars)

$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0{,}02$

$= \frac{73 \times 2 \times 5 \times 240}{100} \times 0{,}02$

= 35.04 metric tons

CO_2 (motorcycle)

$= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0{,}01$

$= \frac{0 \times 2 \times 0 \times 240}{100} \times 0{,}01$

= 0 metric tons

CO_2 (total)

= 1,082.93 + 2.4 + 35.04 + 0

= 1,120.37 metric tons

Carbon footprint in 2021 = 1,120.37 metric tons

Total Carbon Footprint