

A model table showing the carbon foot printing of another academic campus is given below. We need to modify it as per our institute operating conditions.

Most importantly, we need to have data related to each of our activities and in dire need of spreading awareness among the students and staff.

For example, dry cleaning of clothes and incineration of litter waste also produce a significant amount of carbon emission.

Weight of paper waste produced annually (mid/end sem answer sheets, printing of question papers and any other documents etc.,).

Methane produced by our wastewater treatment plant.

<b>Scope 1</b>	Activity consider	Activity data	Emission factor	Tons of CO <sub>2</sub>
Natural gas		182 092m <sup>3</sup>	2.17	395.14
Shuttle	mileage	.35 L/Km	2.64	34.19
	Distance travelled	18.5 Km, makes in average five round trips per working day		
		40 weeks throughout the year		
<b>Scope 2</b>				
Purchased electricity	Purchased electricity	11 673 266 kWh	.374kg CO <sub>2</sub> /KWh	5 923.295
<b>Scope 3</b>				
Commuting	Means of transportation: (subway, bus, train, boat, car, motorcycle)	Subway-7.07Km Bus-6.32 Km Car-16.83Km Train-13.27Km Motor Cycle-8.79Km Ferryboat-4.73Km	Subway-.025 Bus-.073 Car-.2 Train-.013 Motor Cycle-.032 Ferryboat-.065	3,685.58
	time spent in a trip .			
	single occupancy car or car share			
	number of journeys to IST per year			
Travel to conferences or professional meetings	1.Destination of the conference 2. The mode of transport used, <a href="#">3.km</a> travelled 4.Number of times that went to that conference.		For flights with distances less than 500 km the emission factor is 0.338 KgCO <sub>2</sub> /pkm. For distances between 500 and 6000 km is 0.217 KgCO <sub>2</sub> /pkm and for bigger than	20 997 kgCO <sub>2</sub> for Phd, 712 kgCO <sub>2</sub> for Graduation, 11 280 kgCO <sub>2</sub> for Master, 132 699 kgCO <sub>2</sub> for Teachers, 74 928 kgCO <sub>2</sub> for Searchers and 897 kgCO <sub>2</sub> for

			6000 is 0.197KgCO <sub>2</sub> /pkm.	Staff.
Solid waste	1.Non-recyclable waste	Non-recyclable waste-202.54 Kg.	1 KgCO <sub>2</sub> /Kg	
	2. Recyclable waste-WARM tool is used.	Mixed paper-4.5 tons Mixed plastic- 3 tons Glass-3.3 tons	Mixed paper -3.59 tons/ton Mixed plastic - 1.03 tons/ton Glass -2.08 tons/ton	Mixed paper -1 Mixed plastic - 16 Glass -3
	Aluminum cans	.495	-9.11	-5
	Aluminum Ingot	.495	-7.19	-4
	Steel cans	.495	-1.81	-1
	Copper wire	.495	-4.72	-2
	Concrete	153.46	-.01	-1
				Recycled waste give -30 tons of CO <sub>2</sub> , so in total solid waste produce 169.54 tons of CO <sub>2</sub> .
Social Canteen	High meat eaters(>=100 g/d)		7.19	
	Medium meat-eaters-(50-99 g/d)		5.63	
	Low meat-eaters (<50 g/d)		4.67	
	Fish-eaters		3.91	
	Vegetarians		3.81	
	Vegans		2.89	
				181.39 tons of CO <sub>2</sub>