



University : Karunya Institute of Technology and Sciences
Country : India
Web Address : www.karunya.edu

[5] Transportation (TR)

[5.9] Zero Emission Vehicles (ZEV) Policy on Campus

Karunya Institute of Technology and Sciences (KITS), Coimbatore, is deeply committed to promoting sustainability and environmental stewardship in all aspects of campus life. In alignment with the United Nations Sustainable Development Goals (SDGs)—particularly SDG 11 (Sustainable Cities and Communities) and SDG 13 (Climate Action)—the university has undertaken several initiatives to reduce carbon emissions and foster a cleaner, greener, and healthier campus environment. One of the key measures under this commitment is the implementation and promotion of Zero Emission Vehicles (ZEVs) within the university premises.

Policy Document:

<https://karunya.edu/universitypolicies>

<https://karunya.edu/sites/default/files/img/2024/iqac/sustainabilityranking/environmentalimpact/Environmental%20Sustainability/4.%20Policy%20on%20Climate%20Change%20Mitigation.pdf>

In KITS, the movement of motorized vehicles inside the campus is strictly prohibited in order to maintain a clean, safe, and pollution-free environment. This regulation aligns with the university's commitment to sustainable practices under the United Nations Sustainable Development Goals (SDGs) - particularly SDG 11 (Sustainable Cities and Communities) and SDG 13 (Climate Action).

The restriction on internal vehicle movement helps to:

- Reduce **air and noise pollution** within the campus.
- Minimize **carbon emissions** from fossil-fuel vehicles.
- Enhance **student safety** by limiting traffic congestion.
- Promote a **peaceful and pedestrian-friendly atmosphere** conducive to learning and research.



To ensure convenient and eco-friendly mobility, **students are encouraged to use bicycles** as their primary mode of transport inside the campus. The university provides **well-defined cycling tracks** and **dedicated bicycle parking areas** near hostels, academic buildings, and common facilities. These bicycle stands are designed to accommodate a large number of users and are strategically located for easy access.

This initiative not only supports **zero-emission transportation** but also encourages **healthy lifestyle practices** among students. By choosing bicycles over motor vehicles, the Karunya community contributes to reducing its environmental impact and preserving the natural beauty of the campus surroundings.

Furthermore, the **campus security and sustainability teams** monitor compliance with the no-vehicle policy and assist students in maintaining and safely using their bicycles. Future plans include expanding bicycle-sharing systems and adding more covered parking spaces powered by solar lighting for better convenience and safety.

Description of battery-operated shuttle

Number of Electrical Vehicle	: 02
Number of Seater	: 11+1
Size of the Vehicle	: 10X8X5 feet
Charging Station	: 01
Battery Quantity Required	: 6
Controller	: 48V - 350A controller
Net vehicle weight	: 746kg
Max speed	: 25 kmph
Drive Motor Type	: 5kW 3-phase AC induction drive motor
Country of Origin	: Made in India

The Roots Company 12 seater electrical vehicle is a highly reliable and efficient transportation solution designed specifically for professional use. With its spacious interior and seating capacity, it offers a comfortable and convenient mode of transport for large groups or organizations.



Electrical Vehicles (KITS, Coimbatore)



Example of Charging points for EV (KITS, Coimbatore)



Bicycles for public use

Additional evidence link

<https://www.karunya.edu/iqac/ranking/UIGreenMetric>