



Evidence UI GreenMetric Questionnaire



University : Songkhla Rajabhat University
Country : Thailand
Web Address : www.skru.ac.th

[5] Transportation (TR)

[5.17] Approximate daily travel distance of a vehicle inside campus only (in Kilometers). (TR.8)

Table: Daily Trips, Routes, and Passenger Capacity of the Electric Shuttle Service

Electric Shuttle	Seating Capacity	Trips per Day	Service Route
Shuttle No. 1	13 seats	37 trips	Route 1, with a route distance of 2,120 meters
Shuttle No. 2	13 seats	37 trips	Route 1, with a route distance of 2,120 meters
Shuttle No. 3	20 seats	37 trips	Route 1, with a route distance of 2,120 meters
Shuttle No. 4	24 seats	37 trips	Route 2, with a route distance of 2,270 meters
Shuttle No. 5	24 seats	37 trips	Route 2, with a route distance of 2,270 meters
Total	94 seats per round	185 trips per day	Total route distance of all five shuttles per round 10,900 m = 10.90 km

Daily distance per shuttle = Route distance × Trips per day

Electric Shuttle	Service Route	Route Distance	Trips per Day	Daily Distance
Shuttle No. 1	Route 1	2,120 m	37 trips	78,440 m = 78.44 km/day
Shuttle No. 2	Route 1	2,120 m	37 trips	78,440 m = 78.44 km/day
Shuttle No. 3	Route 1	2,120 m	37 trips	78,440 m = 78.44 km/day
Shuttle No. 4	Route 2	2,270 m	37 trips	83,990 m = 83.99 km/day
Shuttle No. 5	Route 2	2,270 m	37 trips	83,990 m = 83.99 km/day
Total			185 trips/day	403.30 km/day

The approximate daily travel distance of the Electric Shuttle service inside the campus is 403.30 km per day. Shuttle Nos. 1–3 operate on Route 1, with a route distance of 2.12 km and 37 trips per day, resulting in 78.44 km per shuttle per day. Shuttle Nos. 4–5 operate on Route 2, with a route distance of 2.27 km and 37 trips per day, resulting in 83.99 km per shuttle per day. In total, the five Electric Shuttles operate 200 trips per day, supporting low-carbon internal transportation and reducing the use of private vehicles on campus.

Description:

Songkhla Rajabhat University operates five Electric Shuttles for internal campus transportation. Shuttle Nos. 1–3 operate on Route 1, with a route distance of 2.12 km and 37 trips per day. Therefore, each shuttle on Route 1 travels approximately 78.44 km per day.

Shuttle Nos. 4–5 operate on Route 2, with a route distance of 2.27 km and 37 trips per day. Therefore, each shuttle on Route 2 travels approximately 83.99 km per day.

Overall, the five Electric Shuttles operate 185 trips per day and travel approximately 403.30 km per day inside the campus. This regular, free, and zero-emission Electric Shuttle service supports low-carbon campus mobility, reduces the use of private vehicles, decreases traffic congestion, and promotes sustainable transportation within the university under the UI GreenMetric Transportation category.