جامعة بيروت العربية
BEIRUT ARAB UNIVERSITY

SUSTAINABLE DEVELOPMENT GOALS

SDG 11: SUSTAINABLE CITIES AND COMMUNITIES





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Beirut Arab University Actions to Promote Sustainable Commuting

SDG 11 Sustainable Cities and Communities

THE Impact Rankings indicator 11.4.2 | Beirut Arab University, Lebanon

Response to the indicator

Question: Does your university as a body undertake actions to promote the percentage of more sustainable commuting?

Yes. Beirut Arab University (BAU) promotes alternatives to travelling alone by car through university shuttle transport, digital tools for using the bus service and free bicycle borrowing at Debbieh. BAU also publishes a sustainable travel commitment. Operational services provide the principal evidence; additional policy commitments are identified separately.

Evidence: BAU shuttle service and passenger facilities

Evidence: Debbieh free bicycle borrowing (Debbieh Campus Gym section)

Parking & Transportation

Beirut Arab University is committed to provide a public transportation system that is safe, affordable, accessible and sustainable. This is part of the university's efforts towards the achievement of the Sustainable Development Goals (SDGs).



BAU Gym



An on-campus gym can be found in each of Beirut, Debbieh, and Tripoli Campuses. Gyms are free to use for students and generally require a fee for alumni.

Beirut Campus Gym

In Beirut Campus, the gym is located in the main building. The regular opening hours are from 8:00 AM – 8:00 PM from Monday to Friday. Additionally, in the fall and spring semesters, the gym opens its doors from 9:00 AM – 1:00 PM on Saturdays.

Equipment

Beirut Campus gym comprises 15 cardio machines, including 6 treadmills, 4 elliptical machines, 4 bicycles, and 1 rowing machine. It also comprises 20 strength-training machines that target various muscle groups. The gym has a stretching area and a bench for dumbbells with weights that range between 2 kgs and 50 kgs. It also includes several barbells and benches (1 incline bench and 2 flat benches).

Lockers & Shower Rooms

The gym in Beirut campus has 45 lockers in the male changing rooms and 40 lockers in the female changing rooms. There are 4 showers situated in the males' bathroom and 4 situated in the females' bathroom.

Services & Facilities

The gym in Beirut is equipped with a TV on a stand facing each cardio machine. There are also 4 additional TVs at the gym. A vending machine can also be found. The gym additionally allows students to purchase BAU t-shirts, sports outfits, mugs, hats, athletic belts, and sports gloves.

Debbieh Campus Gym

The gym in Debbieh Campus is located near the green field. It faces the Faculty of Science main laboratories building. The gym operates from 8:00 AM – 6:00 PM from Monday to Thursday and from 8:00 AM – 4:00 PM on Friday.

Equipment

Debbieh Campus gym comprises a set of 5 cardio machines, including 4 treadmills and 1 elliptical machine. The gym also has 56 bicycles. Students can borrow a bicycle for free. Bicycles are available for borrowing from 8:00 AM – 3:00 PM each day. The gym has a set of 36 strength-training machines targeting various muscle groups. It also contains various dumbbells, plates, and benches for practice.

Lockers & Shower Rooms

The gym in Debbieh campus has 27 lockers located in the training area. Additionally, there are 20 lockers in each of the males' shower room and females' shower rooms.

Services & Facilities

In addition to the borrow-a-bike service mentioned above, students can enjoy several other sports at the gym. Debbieh gym contains 5 ping-pong tables and 3 billiard tables in the second floor.

Tripoli Campus Gym

In Tripoli Campus, the gym is located in Block D - GF. The regular opening hours are from 8:00 AM – 6:00 PM from Monday to Friday during Fall and Spring semester and from 9:00 AM to 5 PM during summer.

Equipment

Tripoli Campus gym comprises 7 cardio machines, including 3 treadmills, 2 elliptical machines, 2 bicycles. It also comprises 15 strength-training machines that target various muscle groups. The gym has a stretching area and 2 benches for dumbbells with weights that range between 2 kgs and 35 kgs. It also includes several barbells and benches.

Lockers & Shower Rooms

The gym in Tripoli campus has 42 lockers located inside the Gym. There are 2 showers situated in the males' bathroom and 2 situated in the females' bathroom.

Services & Facilities

The gym in Tripoli is equipped with a 2 TV's on the wall. The gym additionally allows students to purchase BAU towels.

Action	Evidence status	Original source
Shared university buses	Operational service described by BAU	Transport services
Bus information and booking	Published booking and tracking application	BAU Bus Shuttle
Free bicycle loans	56 bicycles listed at Debbieh gym	Bicycle borrowing
Sustainable travel policy	Published institutional commitment	Climate Action Policy
Travel behaviour assessment	Research published in September 2024	Original study

The evidence supports action to encourage sustainable travel. It does not establish a measured increase in its university-wide percentage. A service being available, people using it and an increase in use over time are distinct claims; the response relies on the first two where documented.

People and campus coverage

The clearest operational provision concerns travel to Debbieh and student bicycle access there. The university's transport policy addresses students and staff. Campus-specific evidence is retained throughout, rather than extending Debbieh facilities to every BAU campus.

Evidence: Debbieh campus shuttle provision

Evidence: Policy scope for students and staff (Sustainable Transportation section)

Services & Facilities

At Debbieh site, students can enjoy sports activities and can choose from among the various sporting services:

- A basketball court, together with its en-suite bathrooms.
- A multi-activity gymnasium of an area 4,900 m2. It encompasses a multi-purpose playground with bathrooms, changing rooms and administrative rooms in addition to rooms for other sports activities.
- A football pitch meeting the international criteria with racing tracks around.
- A fully equipped suitable site to establish a scouting camp used by nature roamers at the university.
- Non stop shuttle of buses between Debbieh site and Beirut site is offered.
- A bank that offers services for students and staff.
- An observatory is constructed to offer astronomical observations.
- A fully equipped clinic for first aid and emergency.
- Three restaurants are built one outdoor and two indoor that offers hot meals and snacks for students and staff at reasonable prices.

- Four parking lots are set with a capacity of 600 cars.
- A bookstore of an area of 200m2 offers all kind of printing and stationary services for students.
- A Wi-Fi internet for all students.

Climate Action Plan for Beirut Arab University

Beirut Arab University recognizes the urgent need to address climate change and its impacts on Lebanon and the global community. As a responsible institution committed to sustainability and environmental stewardship, BAU is dedicated to implementing a comprehensive Climate Action Plan (CAP) aligned with the university's rules and regulations and in harmony with Lebanon's environmental priorities. This plan outlines the key strategies and initiatives that BAU will undertake to mitigate greenhouse gas emissions, adapt to climate change, and promote sustainability across its campuses and operations.

Sustainable Transportation:

- Encourage the use of public transportation, carpooling, cycling, and walking among students and staff.
- Provide incentives for electric and hybrid vehicle owners, such as preferred parking spots and charging stations.
- Promote telecommuting and flexible work schedules to reduce commuting-related emissions.

Shared bus services and practical access

University shuttle provision

BAU's transport service page explains that shuttle provision helps students reach Debbieh without the difficulties of city driving, congestion and parking. It lists reserved seating for people with disabilities, GPS tracking, luggage space, onboard cameras, air conditioning and Wi-Fi. These features support access, comfort and confidence in collective transport. The page also publishes named service contacts for addressing transport concerns.

Evidence: BAU transport service and accessibility features (Transportation Services and Bus Features)

Parking & Transportation

Beirut Arab University is committed to provide a public transportation system that is safe, affordable, accessible and sustainable. This is part of the university's efforts towards the achievement of the Sustainable Development Goals (SDGs).



The Debbieh campus facilities page separately describes a continuous shuttle connection with Beirut. This establishes a practical university-provided alternative for the journey between the two sites. Shared buses can carry multiple passengers in one vehicle; the environmental benefit depends on occupancy and which journeys they replace, so no unsupported emissions saving is assigned.

Evidence: Debbieh campus facilities and Beirut shuttle connection

At Debbieh site, students can enjoy sports activities and can choose from among the various sporting services:

- A basketball court, together with its en-suite bathrooms.
- A multi-activity gymnasium of an area 4,900 m2. It encompasses a multi-purpose playground with bathrooms, changing rooms and administrative rooms in addition to rooms for other sports activities.
- A football pitch meeting the international criteria with racing tracks around.
- A fully equipped suitable site to establish a scouting camp used by nature roamers at the university.
- Non stop shuttle of buses between Debbieh site and Beirut site is offered.
- A bank that offers services for students and staff.
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- Three restaurants are built one outdoor and two indoor that offers hot meals and snacks for students and staff at reasonable prices.
- Four parking lots are set with a capacity of 600 cars.
- A bookstore of an area of 200m2 offers all kind of printing and stationary services for students.
- A Wi-Fi internet for all students.

Promoting the service to prospective students

BAU's current Why BAU admissions brochure lists transport to and from Debbieh among its facilities and services. Communicating this provision before enrolment helps prospective students consider a shared travel option when planning their studies. The brochure corroborates that transport is presented as a university service; it does not publish a fare, subsidy or ridership total.

Evidence: Why BAU brochure (PDF page 1, Facilities and Services panel)

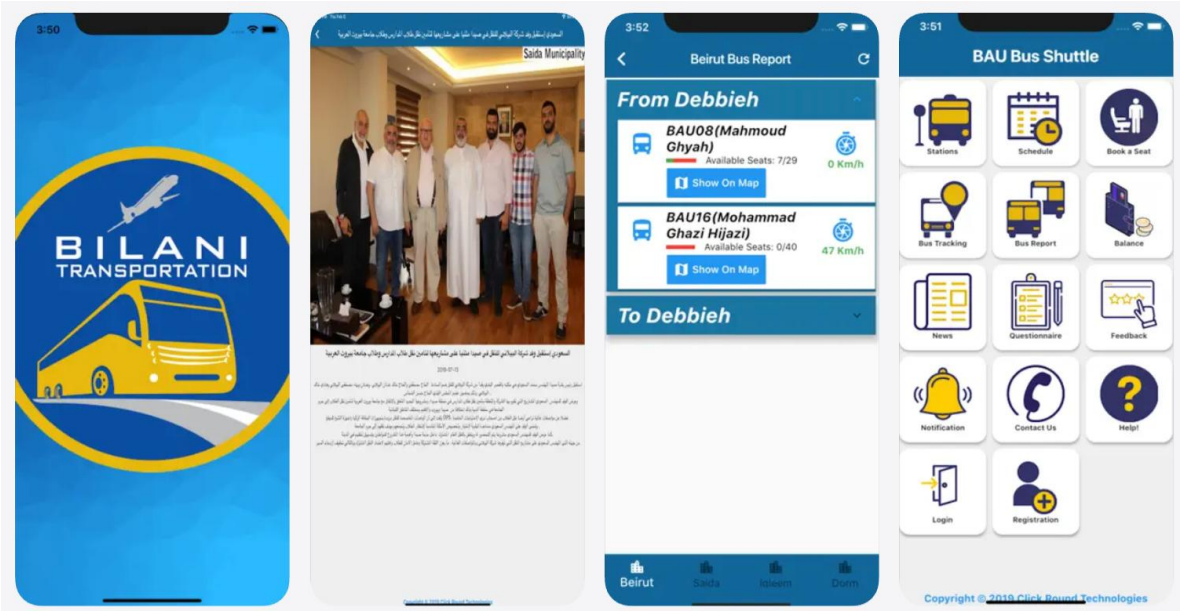


Bus booking and tracking application

The BAU Bus Shuttle listing describes station maps, timetables, seat reservations and live tracking for Beirut, Saida, Iqleem and dormitory routes. Passengers can check arrival estimates, available seats and card balances, and send feedback. These tools help passengers plan where to wait and when to travel.

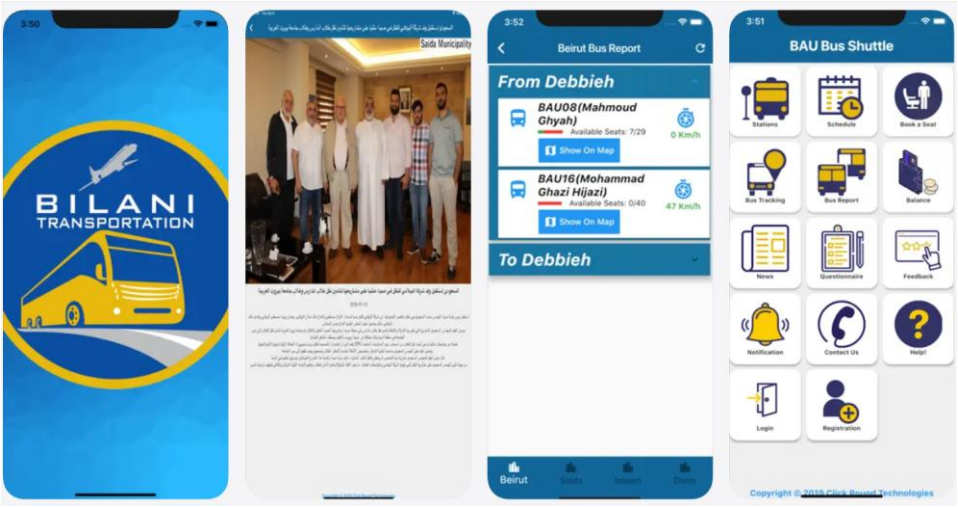
Evidence: BAU Bus Shuttle application description





The app is free to download, while booking requires a valid semester card or sufficient prepaid credit. This supports paid booking arrangements, without establishing a fare subsidy. The listing is a standing service description and does not state a recent launch date.

Evidence: Application booking and payment conditions



You can check station’s detail, time schedule, book a seat and track your bus.

Have you ever missed the university bus and arrived late to your lecture?
Not anymore with our smart bus application.
Now you can check station’s detail and time schedule, book a seat and track your bus.
Let's take a look at the main key features:

The Station's button shows all the available stations in the four main regions: Beirut, Saida, Iqleem and Dorms. Under each region, there are several routes and under each route there are several stations. By pressing on the station button, you will access the followings:

• Real picture for the bus station location.
• Show on map button: shows the exact location that you have to wait the bus in.
• Show schedule button: shows the time table for the estimated bus arrival. Under each time, booking time interval is highlighted.

The Schedule button offers an option to choose either "From Debbieh" or "To Debbieh". "From Debbieh" shows the bus schedule leaving to various regions from Debbieh campus. "To Debbieh" shows the bus schedule leaving from selected station to Debbieh campus.

The Book Seat button helps you reserve a seat on a bus from the selected station. You just have to press the "green button" when booking time is available. In case booking has not started yet, the screen will show you a "yellow icon" with the start booking time. In case booking time has ended for today, the screen will show a "black icon" stating “Booking Ended for Today”. In case there is no booking schedule at all, the screen will show you a "red icon" stating "No Booking Schedule".

You will not be able to book a seat unless you have valid semester card or sufficient credits. In case you didn't catch the bus, you will be entitled to a penalty based on your subscription type:

Semester card : your card will be deactivated until you pay the ticket price at the
transportation office in Debbieh Campus.
Prepaid card : the ticket price will be immediately deducted from your credits

After booking approval, you will receive a pop up notification stating " you have successfully reserved a seat". Later on, you will receive a pop up notification stating the bus number that will pick you up with driver and bus details. The main screen will change, and new icons will appear showing the following:
Bus icon : Bus Number
Speed Icon : Bus Speed (kilometer/hour)
Schedule icon : Schedule arrival time based on system timetable.
RTA : Estimated real time arrival based on delays
Delay : Time Delay

Additional scheduled transport in 2026

BAU’s 2026 commencement transport notice lists departures from Beirut and Saida to Debbieh for graduates, parents and guests on 12 September 2026. This is a recent example of organised shared travel for a university event. It supports event access, rather than demonstrating everyday commuter use or a free fare.

Evidence: BAU 2026 commencement transport notice (Commencement Day transport arrangements)

To BAU Dibbieh From Beirut - Route 1			
Num	Station	Route	Time
1	Fransa Bank	Mar Elias Strt	6:00 AM
2	Class Station	Mar Elias Strt	6:02 AM
3	Pain' Dor Station	Al Jazair Strt	6:04 AM
4	Kasr Al Holwayat Station	Al Jazair Strt	6:06 AM
5	Blom Bank	Taki Dine Strt	6:08 AM
6	Sakiyat Al Janzeer Square	Al Wihda Al Watanieh Strt	6:10 AM
7	ABC Verdun/Lycee Verdun	Verdan	6:12 AM
8	Abdulrahim Diab Est	Unesco	6:14 AM
9	BHV Station	Beer Hasan	6:16 AM

To BAU Dibbieh From Beirut - Route 2			
Num	Station	Route	Time
1	Al Salam Mosque	Al Rashidin Strt/ Television Kornish	6:00 AM
2	Hasan Khaled Garden	Al Rashidin Strt/ Television Kornish	6:02 AM
3	El Zein Chicken	Al Rashidin Strt/ Television Kornish	6:04 AM
4	Cremino	Roma Street	6:06 AM
5	El Sanayeh Garden	Spears Street	6:08 AM
6	Barbar Restaurant	Spears Street	6:10 AM
7	Tapis Mahmoud Kabalan	Salim Slam Street	6:12 AM
8	Mosaytbi Station	Salim Slam Street Tunel	6:14 AM
9	Fransa Bank	Salim Slam Street Tunel	6:16 AM

To BAU Dibbieh From Beirut - Route 3

Num	Station	Route	Time
1	Audi Bank	Bchara El Khoury Street	6:00 AM
2	Abu Saeed Al Sawas	Bchara El Khoury Street	6:02 AM
3	Bshara El Khouri Statue	Bchara El Khoury Street	6:04 AM
4	Blom Bank	Bchara El Khoury Street	6:06 AM
5	Mouazen Station	Bchara El Khoury Street	6:08 AM
6	Marwan Mukhalalati	Jadat Hameed Franjieh - Kaskas	6:10 AM
7	Al Khashekji Mosque	Jadat Hameed Franjieh - Kaskas	6:12 AM
8	Shatila R/A	Jadat Hameed Franjieh - Kaskas	6:14 AM
9	Bustan Pharmacy	Ghobeiri	6:16 AM
10	Al Ghubayri Sports Complex	Ghobeiri	6:18 AM
11	Gibran Mall / Blom Bank	Airport Highway	6:20 AM
12	Heritage School	Airport Highway	6:22 AM

To BAU Dibbieh From Beirut Arab University Bus Station

Num	Station	Area	Bus Move From the Station @										
1	Beirute Arab University	Beirut	6:45 AM	8:10 AM	9:10 AM	10:10 AM	11:10 AM	No Buses @ 12:00 PM	1:10 PM	2:10 PM	3:10 PM	4:10 PM	No Buses After 4 :00 PM
2	Khalede	Khalede	6:45 AM	8:10 AM	9:25 AM	10:25 AM	11:25 AM		1:25 PM	2:25 PM	3:30 PM	4:30 PM	
3	Damour	Damour	6:55 AM	8:20 AM	9:35 AM	10:35 AM	11:35 AM		1:35 PM	2:35 PM	3:40 PM	4:40 PM	
4	Saadiyat	Saadiyat	7:05 AM	8:30 AM	9:45 AM	10:45 AM	11:45 AM		1:45 PM	2:45 PM	3:50 PM	4:50 PM	

From BAU Dibbieh to Beirut Arab University Bus Station

Num	Station	Area	Bus Move From BAU @										
1	Beirute Arab University	Beirut	No Buses @ 7:00 AM	No Buses @ 8:00 AM	9:10 AM	10:10 AM	No Buses @ 11:00 PM	12:10 PM	1:10 PM	2:10 PM	3:10 PM	No Buses @ 4 :00 PM	5:10 PM
2	Khalede	Khalede			9:10 AM	10:10 AM		12:10 PM	1:25 PM	2:30 PM	3:30 PM		5:10 PM
3	Damour	Damour			9:10 AM	10:10 AM		12:10 PM	1:35 PM	2:40 PM	3:40 PM		5:10 PM
4	Saadiyat	Saadiyat			9:10 AM	10:10 AM		12:10 PM	1:45 PM	2:50 PM	3:50 PM		5:10 PM

Route 1	Mar Elias Street, Al Jazair Street, Taki Dine Street, Sakiyat Al Janzeer Square, Lycee Verdan, Unesco, Beer Hasan
Route 2	Al Rashidin Strt/ Television Kornish, Roma Street, Spears Street, Salim Slam Street & Tunel
Route 3	Bchara El Khoury Street, Jadat Hameed Franjieh, Ghobeiri, Beir Hasan
Route 4	Beirut Arab University Bus Station

Free cycling access and sustainable travel policy

Bicycle borrowing at Debbieh

The Debbieh gym lists 56 bicycles that students may borrow free of charge, with borrowing available from 8 am to 3 pm each day. This is direct evidence of university-supported access to bicycles. Removing the purchase or hire cost can help students try cycling and make short journeys by bicycle.

This is free student bicycle borrowing at Debbieh, with potential relevance to campus mobility. The description does not establish off-campus use, employee eligibility or a measured shift in journeys from home to university.

Evidence: BAU gym bicycle loan service (Debbieh Campus Gym, Equipment section)

BAU Gym



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Beirut Campus Gym

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Lockers & Shower Rooms

The gym in Beirut campus has 45 lockers in the male changing rooms and 40 lockers in the female changing rooms. There are 4 showers situated in the males' bathroom and 4 situated in the females' bathroom.

Services & Facilities

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Lockers & Shower Rooms

The gym in Tripoli campus has 42 lockers located inside the Gym. There are 2 showers situated in the males' bathroom and 2 situated in the females' bathroom.

Services & Facilities

The gym in Tripoli is equipped with a 2 TV's on the wall. The gym additionally allows students to purchase BAU towels.

Policy covering public transport and active travel

The Climate Action Policy's Sustainable Transportation section calls for encouraging public transport, carpooling, cycling and walking among students and staff. It also sets out incentives for electric and hybrid vehicles, including preferred parking and charging stations, and support for telecommuting and flexible schedules to reduce travel emissions.

Evidence: BAU Climate Action Policy (Strategies and Initiatives, Sustainable Transportation)

Climate Action Plan for Beirut Arab University

Strategies and Initiatives:

Energy Efficiency and Renewable Energy:

- Conduct energy audits to identify opportunities for energy efficiency improvements.
- Retrofit buildings with energy-efficient lighting, HVAC systems, and insulation.
- Install solar panels and other renewable energy systems to generate clean electricity on campus.

Sustainable Transportation:

- Encourage the use of public transportation, carpooling, cycling, and walking among students and staff.
- Provide incentives for electric and hybrid vehicle owners, such as preferred parking spots and charging stations.
- Promote telecommuting and flexible work schedules to reduce commuting-related emissions.

These are policy commitments. The page alone does not establish that charging stations, preferred parking bays or specific flexible working arrangements are operational.

Evidence: Published transport commitments

Cycling and walking within the response

Policy encouragement and bicycle loans provide a basis for supporting active travel. A detailed bicycle and pedestrian plan would additionally need mapped routes, responsibilities and delivery milestones. Those details require separate documentation.

Evidence: Active travel commitment

Evidence: Implemented student bicycle access

Student and employee participation

Students are the expressly identified beneficiaries of the bicycle scheme. The bus service and the wider travel policy are relevant to the university community, while the 2024 travel assessment includes students, employees and academic staff. These sources show institutional involvement in travel choices without requiring every initiative to cover every user group.

Evidence: University record of the campus travel assessment (Abstract)

Recent research and responsible reporting of results

Campus travel assessment published in 2024

Published on 23 September 2024, the campus travel study analysed 400 student and staff responses from Beirut and Debbieh during academic year 2023 to 2024. BAU lists it in its engineering research record.

Evidence: Original campus travel study (Sections 5 and 6)

Evidence: BAU engineering publication record

Reported behaviour	Respondents	Original evidence
BAU bus use	23.9%	Figure 6
Car sharing	18.4%	Figure 6
Public transport	22.3%	Figure 6
Walking or cycling	11.4%	Figure 6
Driving alone	36.1%	Figure 6

These overlapping rates must not be added into a sustainable commuting percentage. The unweighted two-campus sample overrepresents Debbieh. The table follows Figure 6, including its more precise active travel and solo-driving figures, rather than the rounded prose.

Evidence: Publisher PDF with the original chart (PDF page 14, Figure 6; sample discussion on page 13)

6.2. Travel Characteristics

Figure 6 shows the distribution of travel modes among BAU users. The most common mode is driving alone, with 36% of the respondents choosing this option. This is significantly lower than the 96% reported by a previous study conducted by Abou Ali et al. on student travel behavior [33]. Carpooling is the second most popular mode, with 18.4% of the respondents sharing their rides. About a quarter of the respondents (23.9%) use the BAU bus service, which is a paid service for students and staff. Public transportation and taxis are also used by some respondents, with 22.3% and 10.4%, respectively. Active transport, such as walking or cycling, is another mode that is rarely used, with only 11% of the respondents opting for it. Travel by motorcycle is the least common mode, with just 7.3% of the respondents utilizing it in their journey to campus.

Figure 7 compares the mode choices of the respondents from both campuses and genders. The most popular mode for Debbieh campus respondents was driving alone (41.5%), followed by the BAU bus service (36.9%). Car sharing was the third most common mode (20.7%), which is more sustainable than driving alone. On the other hand, the most popular mode for Beirut campus respondents was public transport (34.0%), followed by driving alone (27.1%) and active transport (22.2%), such as walking or cycling. The

difference between the two campuses can be attributed to the area classification: the Debbieh campus is in a rural area, while Beirut campus is in an urban area with better pedestrian and public transport access.

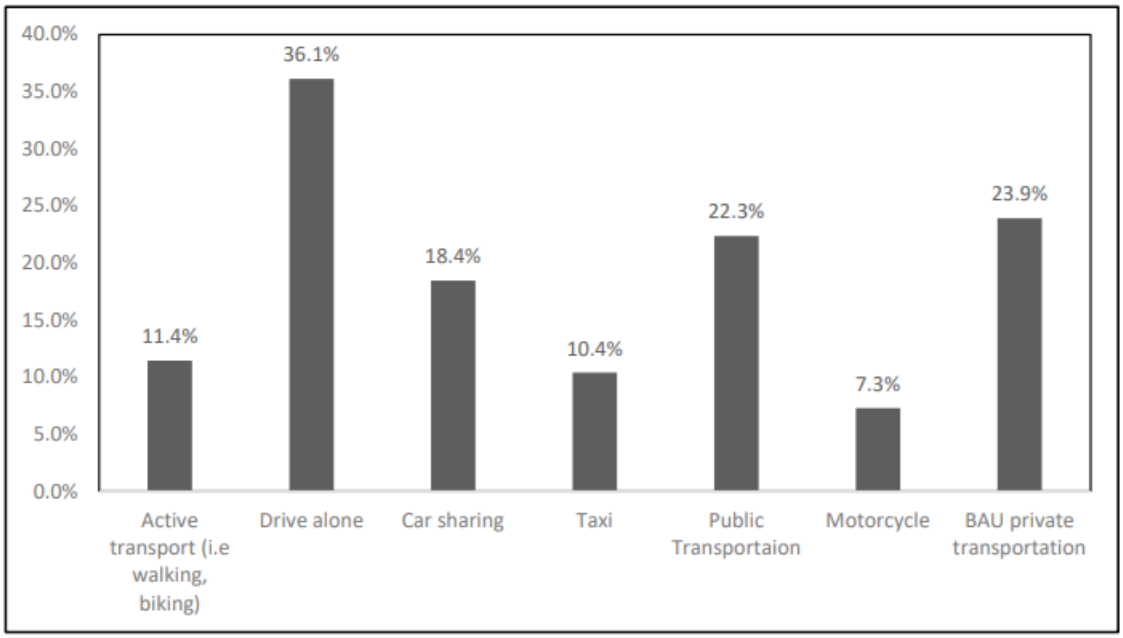


Figure 6. The travel modes utilized by BAU respondents.

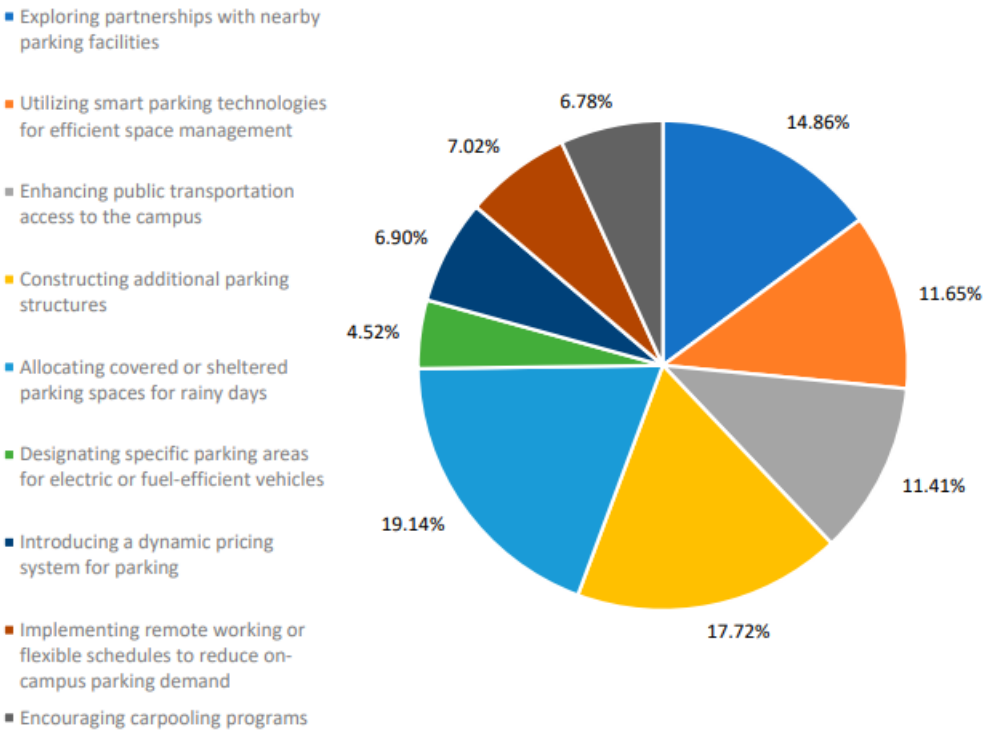
Using research to inform practical action

The study recommends better bus schedules and routes, awareness and ride-sharing tools; implementation requires separate evidence. Its comparison with another study is not a before-and-after assessment of BAU.

Evidence: Study recommendations and comparison (Sections 6.4 and 7)

6.4. Suggestions for Proposed Actions

The survey conducted at BAU focused on identifying potential solutions to pressing transportation-related issues. The survey targeted various areas including parking problems, the adoption of smart transportation technologies, and improvements to be implemented on campus. It also explored options that would encourage private car users to switch to more sustainable travel modes. The results, presented in Figure 12, suggest several recommendations.



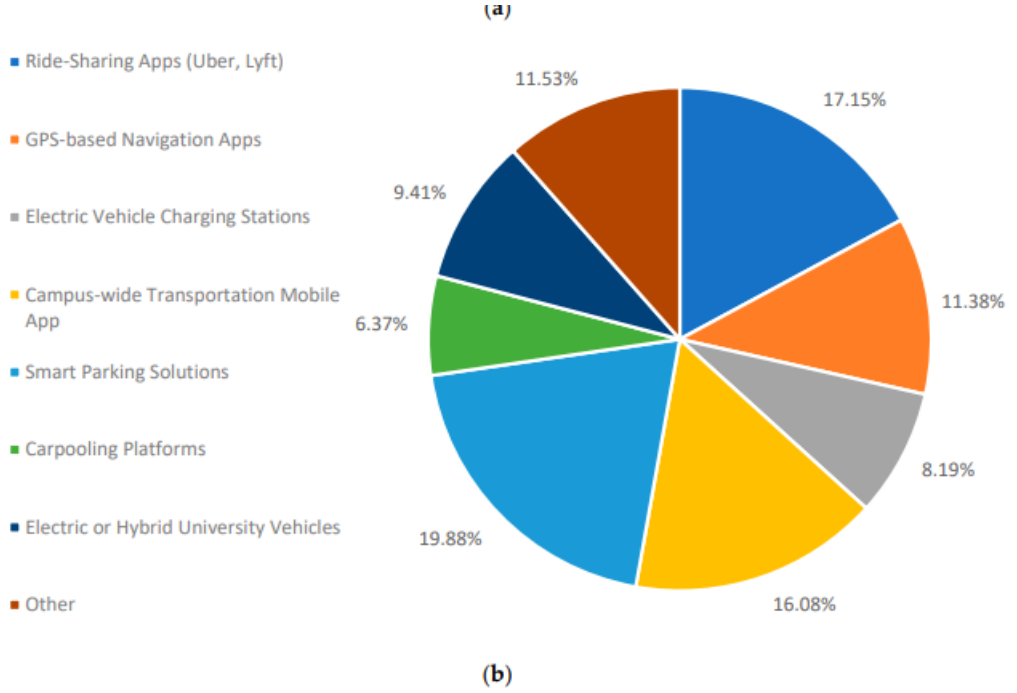
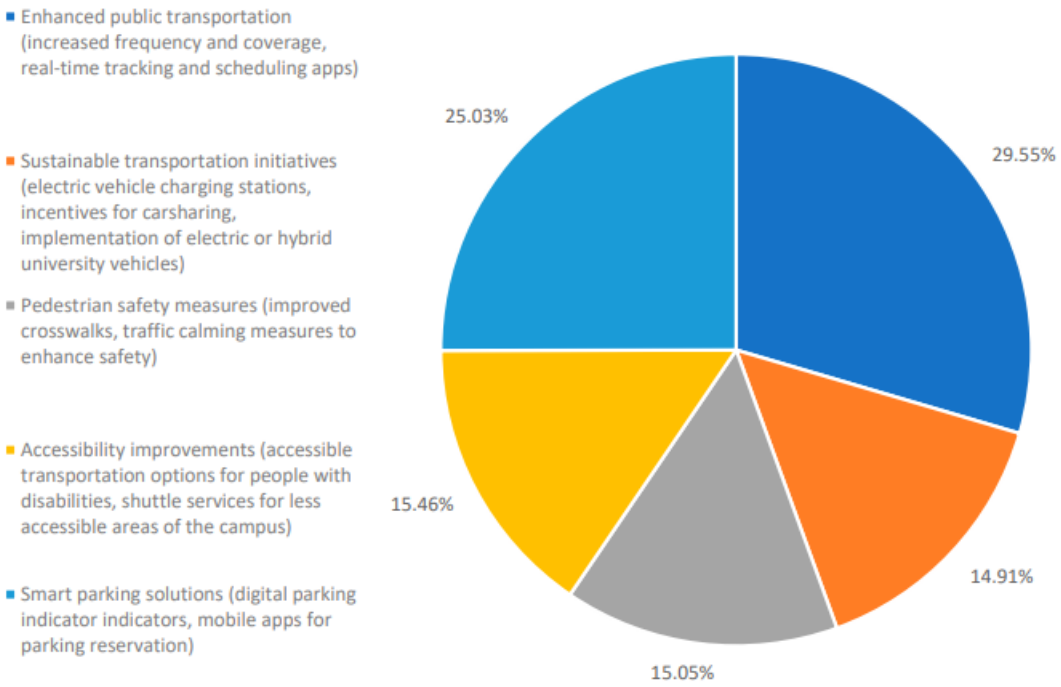
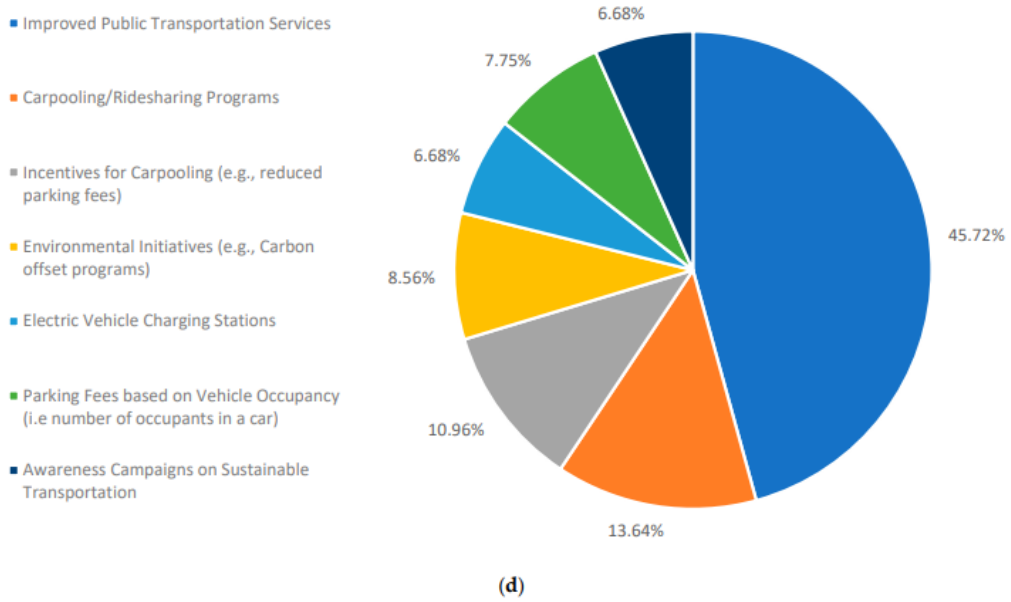


Figure 12. *Cont.*





(d)

Figure 12. Findings from survey recommendations to be adapted at BAU. (**a**) Strategies to improve campus parking. (**b**) Smart transportation solutions. (**c**) Transportation solutions. (**d**) Initiatives for private car users.

One of the key findings was that the majority of bus-using respondents chose the bus, BAU service, and public transportation, due to the lack of a private vehicle and the cost-effectiveness of the service, as shown in Figure 10. This implies that if they could afford it, they might choose to drive alone. To address this, one recommendation is to launch campaigns highlighting the environmental benefits of bus travel and share testimonials from bus users who choose the bus for environmental reasons.

Interestingly, only a small percentage of BAU bus service, and public-transportation-using respondents (5.5%) mentioned environmental friendliness as a reason for using the bus. To increase this percentage, educational programs about the environmental impact of different transport modes could be introduced across the campuses.

As suggested in Figure 9, a large number of private car users do so, due to inconvenient bus schedules. Therefore, another recommendation is to improve the bus schedule and expand the routes. More frequent buses during peak hours and additional routes covering residential areas could make the bus service more convenient and accessible for private car users. Feedback from current bus users could be used to identify the most beneficial routes and schedules.

The survey, as shown in Figure 12a, also highlighted the need for improvements in parking facilities and services. This could include the addition of sheltering and expansion of capacity, either through partnerships with nearby facilities or the construction of additional spaces. However, with 62.3% of respondents unwilling to pay for a reserved parking spot, the financial feasibility of such improvements may be limited.

The final recommendations are to introduce ride-sharing platforms, as suggested in Figures 12b and 12d, respectively, and efficient parking systems, as the respondents show a preference for in Figures 12b and 12c, respectively. Partnerships with local businesses could promote ride-sharing platforms by offering discounts or incentives for employees who carpool. Efficient parking systems could reduce the number of solo drivers and the demand for parking spaces. Pilot programs could be launched to test the effectiveness of these initiatives.

By implementing these recommendations, we could not only retain the current bus users but also attract new ones, contributing to a more sustainable transport system.

7. Conclusions

The primary aim of this study is to examine the travel behaviors at Beirut Arab University's campuses in Beirut and Debbieh, with the objective of enhancing existing policies and strategies to encourage the use of more sustainable modes of transportation. To achieve this objective, a comprehensive travel survey was developed and distributed to gather insights into the preferences and perceptions of travelers regarding transportation issues related to the campus. Data collected from various campus travelers, including students, faculty, and staff, were analyzed to understand their travel behavior, such as their choice of transportation mode, typical travel distance and duration, primary trip purposes, trip frequencies, and how these factors vary between the urban campus situated in Beirut and the rural campus located in Debbieh. Additionally, the survey provided valuable insights into the potential opportunities and obstacles for implementing sustainable transportation initiatives on the campus.

In addition to verifying some well-known campus travel patterns, the data analysis revealed a few intriguing details that university administrators hoping to create a sustainable campus may find useful. The study confirmed that passengers, especially students, prefer driving over other forms of transportation because of the high rate of car availability and the freedom it provides. When examining modal choice, private cars were found to be the most frequently used mode, followed by BAU private bus, public transportation, and car sharing. Most trips were unsurprisingly for educational purposes. Travel modal choice was shown to be significantly dependent on gender, occupation, and the campus being attended. Citizenship was shown to have no effect. Differences in modal choice between male and female students were observed, with men generally less inclined towards non-motorized transportation and utilizing taxis but showing a greater tendency to use motorcycles and driving alone than female students. Unsurprisingly, respondents from the Beirut campus are more likely to rely on active transportation in their trip to campus; less than a quarter of them utilized it which is four times the amount of respondents from the Debbieh campus. Despite Debbieh campus respondents utilizing driving alone more

Submission response and evidence boundaries

Recommended submission wording

Yes. Beirut Arab University undertakes actions to encourage more sustainable commuting through shared shuttle services and practical support for their use. BAU advertises its Debbieh transport connection and provides information on accessible seating, tracking and passenger facilities. A dedicated application describes route information, seat booking and arrival tracking.

Evidence: University shuttle connection

Evidence: Bus information and booking application

At Debbieh, students can borrow bicycles free of charge. BAU's Climate Action Policy complements these practical services. Together they provide the basis for the affirmative response. Research on campus travel supplies supporting context; it is not used to claim a verified increase in the university-wide sustainable commuting percentage.

Evidence: Free student bicycle borrowing

Evidence: Institutional travel commitment

Status of other examples in the question

Measure	Supported reporting position	Original source
Free or subsidised buses	Paid booking arrangements; no subsidy amount verified	Booking conditions
EV charging and priority parking	Policy commitment; installation and operation require evidence	Transport policy
Bicycle racks and cycle tracks	Loan provision does not establish these separate facilities	Bicycle service
Carpool programme	Policy encouragement; a university-operated matching scheme requires evidence	Transport policy

BAU's entrepreneurship centre describes Carpolo as an alumnus's carpooling venture. That supports an innovation connection, but does not by itself establish a currently university-operated commuter scheme, reserved carpool parking or discounted parking fees. These separate claims require their own operating records.

Evidence: BAU entrepreneurship centre description of Carpolo (Success Stories)

Priority records to strengthen the evidence

The most useful additions would be a current approved bus fare and subsidy statement, route and ridership records, bicycle loan logs and dated records of any newly commissioned facilities. Where applicable, include the rules and user eligibility for carpool incentives, transit discounts or charging access. These are proposed evidence improvements, not activities asserted as completed. Retain campus, date, responsible unit and original source beside every claimed measure, and select the applicable reporting year without discarding relevant policy context.