

PROGRAM OF LIMITATION AND REDUCING THE PARKING AREA AT IEU

The importance of managing and limiting the parking area on campus can be attributed to several reasons:

Efficient Space Utilization: By limiting the parking area, the available space can be used more efficiently. With a reduced parking area, there is a need to optimize the allocation of parking spots to ensure that they are utilized effectively. This helps maximize the use of limited resources and prevents unnecessary wastage of space.

Fairness and Accessibility: A limited parking area ensures that parking spots are accessible to a larger number of individuals. By managing and limiting the parking area, it becomes possible to distribute the available spots fairly among students, faculty, staff, and visitors. This prevents overcrowding, ensures equal opportunities for parking, and promotes a more inclusive environment.

Traffic Management: Restricting the parking area helps in managing traffic flow on campus. When there are limited parking spots, individuals are encouraged to carpool, use alternative transportation methods, or find parking off-campus. This reduces congestion, promotes sustainable transportation options, and improves overall traffic management within the campus area.

Environmental Impact: By limiting the parking area, there can be positive environmental effects. Encouraging alternative transportation methods and reducing the number of vehicles on campus can lead to decreased carbon emissions and air pollution. It aligns with sustainability initiatives and promotes a greener campus environment.

Future Planning: Managing and limiting the parking area also plays a role in future planning and development of the campus. By monitoring parking demand and usage, administrators can gather data to make informed decisions about future parking expansions, transportation infrastructure improvements, or the implementation of alternative transportation solutions.

Overall, the importance of limiting the parking area lies in optimizing space utilization, ensuring fairness and accessibility, managing traffic flow, reducing environmental impact, and enabling effective future planning. It contributes to a well-functioning and sustainable campus environment.

To manage the decreased parking area on the campus of the International European University, the parking area program has been adjusted to reflect the

new capacity. The program ensures that the number of available parking spots is limited based on the reduced capacity, providing an efficient parking system for students, faculty, and staff.

The program now maintains a record of the updated parking area capacity, indicating the new total number of available spots. When a vehicle enters the parking area, the program checks if there are any vacant spots based on the reduced capacity. If there are available spots, the vehicle is parked successfully, and the number of available spots is reduced accordingly. However, if the parking area has reached its new capacity, the program notifies the driver that there are no more spots available.

Similarly, when a vehicle leaves a parking spot, the program updates the available spot count based on the decreased capacity, indicating that the spot has been freed. The program ensures that only occupied spots can be freed, preventing any inconsistencies.

Users can still access information about the parking area's status through the program. The program displays the number of available spots based on the updated capacity and provides transparency regarding the reduced parking area.

The menu options for users remain the same, allowing them to park a vehicle, leave a spot, or exit the program. The program continues to run until the user chooses the exit option, ensuring a seamless experience for the users.

Please note that as this is a description without any code, you will need to make the necessary modifications to your existing program or system in order to reflect the reduced parking area accurately.