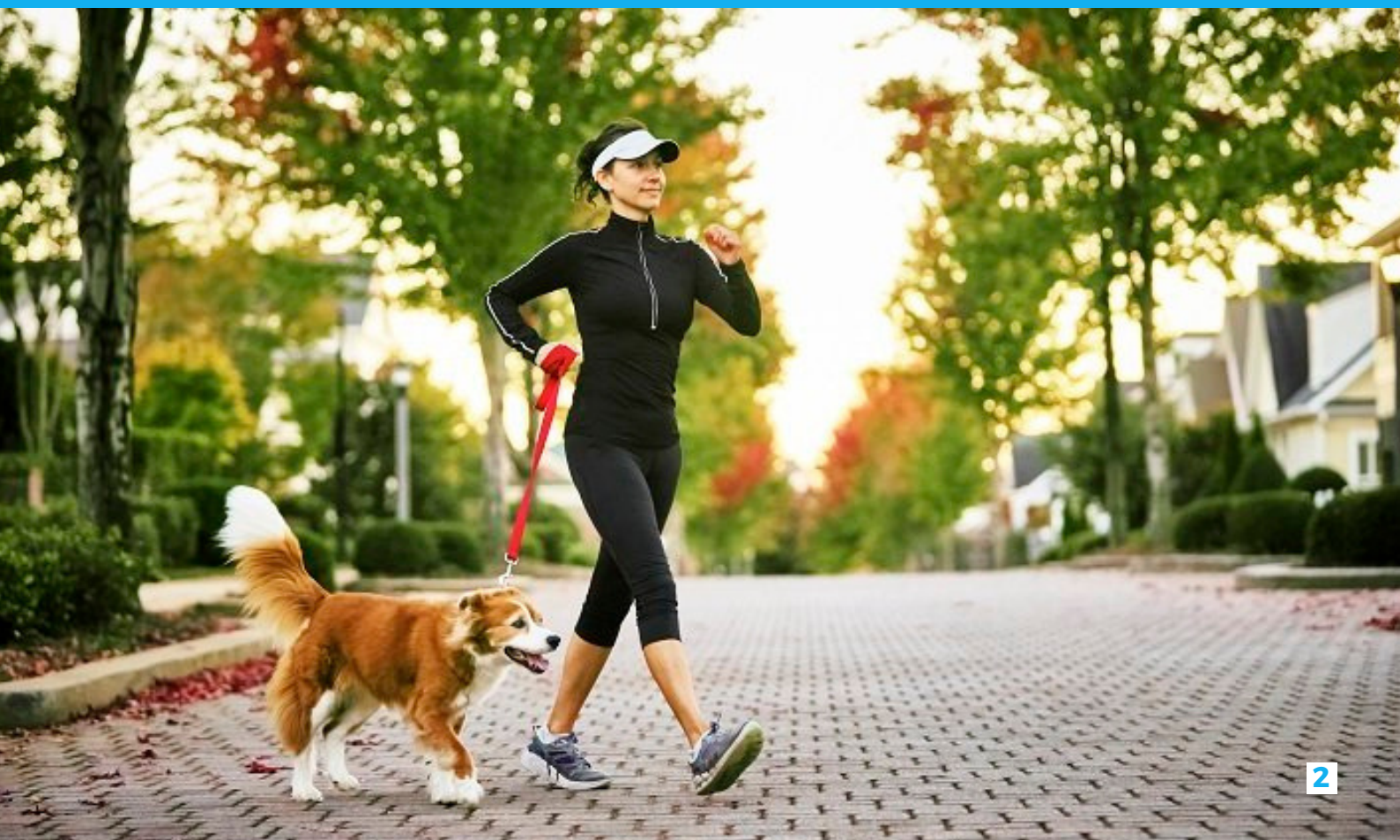SSD Foundation

MULTI-STOREY CAR PARKING: A SOLUTION FOR DECONGESTING THE CITY STREETS

CASE STUDY/INSIGHT

MULTI-STOREY CAR PARKING: A SOLUTION FOR DECONGESTING THE CITY STREETS

Nowadays in cities, almost every house has a car and it is not very uncommon to see more than 1 vehicle in the houses. Due to lack of provision of parking in their own premises, people are under the compulsion to park the cars on streets and roadsides. The number of cars being parked in front of the house on streets has drastically increased in cities. This shrinks the available space on roads, obstructing free movement of pedestrians, cycles and other vehicles, resulting in traffic congestion. This also increases the probability of accidents, time delays and stress.

This issue arises due to rapid urbanization and lack of space for parking cars. So, what could be done to overcome this problem? Multi-storey car parking facility or parking garage could be a potential solution for this. This is a building designed for car parking with multiple floors or levels in which cars can be parked. Multi-storey parking facility uses vertical area instead of horizontal area and it can accommodate maximum number of cars.

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Multi-storey car parking can either be manual or an automated facility. In manual multi-storey parking, drivers will be allocated to a vacant area, where they will park the car. In Automated facility, cars will be parked using elevators moving up and down to different floors for parking. It is an advanced and superior technology which has simplified car parking.

Multi-storey car parking facilities help in optimum utilization of area for parking of cars. This also ensures security of cars. The space that was previously occupied by cars could now be used for cycling, walking, gardening and landscaping. By parking cars in multi-storey car parking facility, the cars no more obstruct the roads, making it a better place for walking, cycling and other vehicles to move on. This results in decongesting of traffic and reduces accidents.Socially, it also reduces disputes among neighbours in car parking. This system would benefit the car owners, pedestrians and society.