

Study of a Pedestrian-Oriented City and the Design of Zakariya Razi (Bayat) Street in Shahr-e-Rey, Tehran Province

Authors : Meysam Bakhtiari

Abstract : This study examines the key criteria for developing pedestrian-friendly corridors in urban spaces, emphasizing the priority of pedestrians over vehicles. It is crucial to note that establishing a pedestrian-friendly corridor is not solely about visual changes to a pathway. Therefore, in this project, attention is given not only to visual design but also to the implementation of new traffic regulations that support pedestrianization. These aspects are thoroughly addressed in the design phase of the project. It's crucial to consider that preventing damage and maintaining essential transportation functions are key to creating pedestrian-friendly corridors. Managing traffic flow in the post-design phase is a major consideration that should be addressed from the outset of urban planning. This design project not only focuses on developing a pedestrian-friendly corridor but also on managing traffic loads as per the area's capacity. The chosen site for this project is a 24-meter-wide street in Shahr-e-Rey, District 20 of Tehran. This location was selected due to its potential and the positive reception from the local municipality. The project will explore three different scenarios, which will be presented using simulation software to illustrate the proposed ideas and designs. This research concludes that the project integrates several core aspects of architecture and urban design. It focuses on creating memorable and authentic environments by addressing spatial perception and sensory experiences, including visual, auditory, olfactory, and gustatory elements. Additionally, it emphasizes the importance of functionality, ensuring usability and adaptability, and promoting vibrancy through social interaction and lively public spaces. These considerations are crucial for developing impactful urban projects in today's world.

Keywords : pedestrian-friendly corridor, regulation implementation, traffic load management, vehicles, design scenarios

Conference Title : ICURR 2024 : International Conference on Urban Redevelopment and Redesign

Conference Location : Vancouver, Canada

Conference Dates : September 26-27, 2024