

Prospect and Challenges of Public Bicycle Sharing System in Indian Cities

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Abstract : Public Bicycle System (PBS), generally known as Public Bicycle Share System or Bike-Share, is a service provided to the everyday commuters in which several cycles are available on the shared system. The concept of PBS is new to the people of India and requires more study in the fields of essential requirements, major infrastructural requirements, social acceptability, and various challenges. In various Indian cities, MRTS, BRTS, Monorail, and other modes of transport have been adopted for the main haul of transport. These modes take more time, space and are also expensive to implement. At the same time, the PBS system is more economical and takes less time to implement. The main benefit of the PBS system is that it is more environmentally friendly. PBS is being implemented in many Indian cities for public use, but various challenges are associated with this. The study aims to determine what are the basic infrastructural requirements for PBS in India, as well as to determine to what extent a Public Bike Sharing System can provide a quality and efficient service to passengers as a primary method of transportation.

Keywords : public bicycle sharing system, sustainable transport, infrastructure, smart city

Conference Title : ICBTPDI 2021 : International Conference on Bicycle Transportation Planning, Design and Implementation

Conference Location : London, United Kingdom

Conference Dates : December 09-10, 2021