

Comparative Assessment of Bus Rapid Transit System in India

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Abstract : Public transport service plays an important role in people's transportation needs in urban areas. Bus Rapid Transit System (BRTS) is a transport service that provides passengers with a quick and efficient mode of transport. It is developed by changing the existing infrastructure, vehicles, route, or by developing a new dedicated corridor for the bus route. This dedicated lanes transport passengers to their destination quickly and efficiently and flexible in meeting demand. However, with rapid urbanization and increasing population density in Indian cities, traffic congestion has become a significant issue. In a few Indian cities, the BRTS concept is implemented to address the issue of traffic congestion that eventually resulted in less road congestion. The research aims to provide a literature review on the overall outlook of the BRTS system and its practical implementation in mass urban transit. First, it reflects a literature review on the concept of the BRTS system in both developed and developing countries. Afterward, comparative analysis of BRTS, hindrances associated with the permanent integrated system, and the need for establishing the Bus Rapid Transit System in Indian cities is demonstrated. The research concludes with some recommendations that could help in improving the loopholes in the existing system.

Keywords : bus rapid transit system(BRTS), dedicated corridor, public transport, traffic congestion

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