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Implementation of Transit Oriented Development Based on 5D Principles: A Case of Vijayawada

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Abstract

Transit oriented development (TOD) is the development approach that integrates land use with public transit. TOD gives a systematic approach that reduces the dependency of private motorized vehicles and makes people shift toward public transport which can be achieved by providing accessibility to diverse destinations within walkable distance. This paper explores the cases of TOD for Ahmadabad which is having one of the best BRTS systems in India and Curitiba which is one of the best BRTS systems in the world. By doing this the study is attempted to know what India is lacking in the process of implementing TOD. From the international experiences of TOD learn to improve the quality and better understanding of TOD. This paper also covers the process of implementation of BRTS based on TOD to Vijayawada city where we tried to suggest a framework that India is lacking in the process of implementing TOD. © The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2025.

Author keywords
5D; BRTS; Transit oriented development; Vijayawada

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