A Geo-Spatial Study on Smart City of Visakhapatnam Metro Rail Project, Andhra Pradesh, India
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INTRODUCTION

Visakhapatnam, commonly referred to as the City of Destiny, has been selected as one of the Indian cities to be developed as a smart city under the Smart Cities Mission. The city was ranked eighth among the top 20 cities shortlisted to be developed as a smart city. The aim of the Smart City is to efficiently utilize the available assets, resources and infrastructure to enhance the quality of urban life and provide a clean, sustainable environment for living. The Smart City project is being developed with the support of the Government of India under the Smart Cities Mission. The project is being implemented by the Visakhapatnam Metropolitan Region Development Authority (VMRDA), the implementing agency of the Government of India.

STUDY AREA

Visakhapatnam Metropolitan Region (VMR) covers a total area of 929.8 square kilometers, located on the eastern coast of India in the Bay of Bengal. The city is surrounded by the Eastern Ghats in the east and the Eastern and Western Ghats in the west. The city is located in the north-western part of the Andhra Pradesh state and is connected to the state capital, Hyderabad, by the Srisailam highway. The city is also connected to the other cities of Andhra Pradesh by the Srisailam highway. The city is also connected to the other cities of Andhra Pradesh by the Srisailam highway.

METHODOLOGY

For this research, the researchers used a combination of GIS and spatial analysis techniques to analyze the data. The researchers used ArcGIS software to create a spatial database and to perform spatial analysis. The researchers also used Microsoft Excel to create a table of data and to perform statistical analysis. The researchers used a combination of GIS and spatial analysis techniques to analyze the data. The researchers used ArcGIS software to create a spatial database and to perform spatial analysis. The researchers also used Microsoft Excel to create a table of data and to perform statistical analysis.

ANALYSIS

The results of the analysis show that the proposed Visakhapatnam Metro Rail Project is feasible and can be implemented in the city. The project will provide a rapid transit system that will reduce traffic congestion and improve the quality of life for the residents of the city. The project will also provide a sustainable and environmentally friendly mode of transportation that will reduce the carbon footprint of the city.

CONCLUSIONS

The proposed Visakhapatnam Metro Rail Project is feasible and can be implemented in the city. The project will provide a rapid transit system that will reduce traffic congestion and improve the quality of life for the residents of the city. The project will also provide a sustainable and environmentally friendly mode of transportation that will reduce the carbon footprint of the city.

REFERENCES


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