

Geographical Information System (GIS)

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Abstract: *Geographical Information Systems (GIS) have become an essential tool for managing, analyzing, and visualizing spatial and geographic data. GIS integrates data from various sources, allowing for detailed analysis and decision-making across a wide range of industries.*

This paper presents an overview of GIS technology, its components, and its various applications, with a focus on Indian case studies and developments. The study explores GIS methodologies, emphasizing data collection, processing techniques, and spatial analysis, and examines challenges and opportunities unique to India. The paper concludes with insights into GIS's role in enhancing governance, disaster management, and sustainable development in India

Keywords: Geographical Information Systems.

