

## ABSTRACT

In this study, advanced software solutions are explored to improve the efficiency of property tax data collection and calculation. The proposed system integrates Geographic Information System (GIS) technology with automated data collection tools to enable real-time property assessments and precise tax computations. Property tax serves as a major revenue source for municipal bodies in India, yet many face challenges due to an incomplete database of assessed properties and the continued reliance on manual data management. These limitations often result in data redundancy, inaccuracies, and revenue loss. By incorporating GIS—which brings together technology, skilled personnel, and geospatial data management—the system enhances transparency, accuracy, and operational efficiency. This approach supports effective urban governance and aims to modernize and streamline property tax administration.