

**Title:** Interactive Geo-Spatial Mapping Environment for Real Estate Transactions

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## **ABSTRACT**

Real estate industry is an area for growth in the country. It has been part of rapid transformation across various industrial sectors in tandem with evolving trends. Though the way it works has not fundamentally changed over the decades, the way information is shared and delivered has undergone transformation. From a consumer's perspective, the process of buying land can be cumbersome and tedious. So, it is often helpful to have someone experienced to assist during this process.

The proponents have thought of creating a website to innovate how real estate companies market their business effectively. Buying of land parcels by prospective clients will be made easier that provides them convenience as well as saves their time. Transactions are based on the interactive maps in which buyers can view the whole location with lot areas occupied, reserved or still available. Each lot has a color-coded tag that defines its current status. Locally, no website with the same purpose is existent since companies are still in a manual interaction with their clients especially in on-site visits and personal conduct of negotiations. Their websites are limited in posting photos and information of for-sale houses and lots only.

In today's real estate world, it is all about becoming a resource for clients that will improve the poor management of transactions. The advent of Geographical Information System (GIS) has made it possible to look at the community in a new way and guide companies of such.

**Keywords:** Real estate website, GIS, interactive map, land properties