

Land monitor



Created By : Ravi Kiran Ponduri
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Proposed Solution Overview

We propose developing a **Windows-based application** that enables users to upload an Excel file containing property details, specify a desired time period for monitoring, and select the specific features they wish to analyze.

The system will process the request and generate a **downloadable report** highlighting changes within the selected time frame.

Currently Supported Analytical Parameters:

1. **Vegetation Index (NDVI)**
2. **Built-up Area Index (NDBI)**
3. **Water/Moisture Index (NDWI)**

These analytical capabilities can be expanded in the future.

Additional functionality, such as the inclusion of relevant imagery, will be integrated progressively. Users can request reports on-demand at any time.

Performance Assumptions & Limits

Based on preliminary testing, the system can process up to **10,000 properties per month** under the current feature set.

- If additional features or higher processing demands are introduced, this monthly limit may be reduced due to **API usage costs**, which are calculated based on content volume and feature complexity.
- Users will be informed of any changes to processing capacity prior to product delivery.
- The application will feature a **dashboard** allowing users to monitor their remaining monthly limits in real-time.

Deliverables:

- Standalone Windows Executable (.EXE) application
- One-year subscription license

Pricing:

- **Annual Subscription Fee:** ₹1,00,000