**Real Estate ERPNext Project Report**

**Title Slide**

**Real Estate ERPNext: A Comprehensive Real Estate Management System**  
Developed By:  Vaidik Patel & Vinit Kshatriya   
Company/Institution: Azrio tech

**Introduction**

**Project Definition**

The Real Estate ERPNext project is a comprehensive real estate management system designed to streamline property management, lead tracking, and website creation. It provides an efficient platform to manage real estate operations and enhance customer engagement.

**Project Profile**

* **Project Name:** Real Estate ERPNext
* **Domain:** Real Estate Management
* **Platform:** ERPNext
* **Developer:**  Vaidik Patel & Vinit Kshatriya
* **Target Users:** Real Estate Companies, Agents, and Customers

**Need of the Project**

* **Automated Property Management** – Reduces manual work and improves efficiency.
* **Customer Engagement** – Enhances buyer experience through a dedicated portal.
* **Sales and Commission Tracking** – Automates salesperson commissions.
* **Secure Online Transactions** – Integrates secure online payment methods.
* **Real-Time Reporting** – Provides data-driven insights for decision-making.

**Tools and Technologies Used**

* **ERP Framework:** ERPNext (Frappe)
* **Programming Languages:** Python, JavaScript
* **Database:** MariaDB
* **Frontend:** HTML, CSS, JavaScript
* **Hosting:** Self-hosted / Cloud-based

**Modules and Briefing**

1. **Property Management** – Adding and managing properties, availability tracking.
2. **Customer Portal** – Enabling buyers to track bookings and payments.
3. **Sales & Commission Management** – Automating salesperson commissions.
4. **Payment Integration** – Online payments through third-party gateways.
5. **Automated Document Generation** – Auto-generation of sale agreements.
6. **Reporting & Analytics** – Real-time sales performance tracking.

**Data Dictionary**

| **Table Name** | **Field Name** | **Description** |
| --- | --- | --- |
| Property | Property ID | Unique identifier for properties |
|  | Name | Property name |
|  | Location | Property location |
|  | Price | Property price |
|  | Status | Availability status |
| Customer | Customer ID | Unique customer identifier |
|  | Name | Customer name |
|  | Email | Customer email |
|  | Contact | Contact details |
| Sales | Sale ID | Unique sale identifier |
|  | Property ID | Associated property ID |
|  | Customer ID | Associated customer ID |
|  | Amount | Sale amount |
| Payments | Payment ID | Unique payment identifier |
|  | Sale ID | Related sale transaction ID |
|  | Amount Paid | Payment amount |
|  | Date | Payment date |

**Roadmap Ahead (Future Work)**

* **AI-based Property Recommendations** – Personalized property suggestions.
* **Mobile Application Development** – Android/iOS apps for easy access.
* **Blockchain Integration** – Enhanced security for transactions.
* **Chatbot Support** – AI-powered customer assistance.
* **Advanced Data Analytics** – Predictive sales and customer behavior insights.

**Conclusion**

The Real Estate ERPNext system provides an efficient and automated approach to managing real estate businesses. It improves property sales tracking, customer engagement, and financial transparency while ensuring operational efficiency through a centralized platform.

**Thank You!**