Project Name: House Price Prediction in Hyderabad

Problem Statements:

1. Price Prediction Based on Location and Neighborhood

Predict the price of houses in Hyderabad based on the location and neighborhood features, such as proximity to city centers, major roads, schools, hospitals, and public transport hubs*.*

1. Price Estimation Based on Socio-Economic Factors

Estimate the effect of socio-economic factors, such as average income, crime rates, education levels, and unemployment rates, on house prices in different areas of Hyderabad.

1. Impact of Real Estate Development Projects on House Prices

Analyze how real estate development projects, like the construction of IT parks, commercial complexes, and new highways, impact house prices in specific areas of Hyderabad.

1. Predicting House Prices Based on Property Features

Predict house prices in Hyderabad using various property features, such as the size of the house, number of bedrooms, amenities (e.g., swimming pool, gym), and age of the property.

1. **Predicting the Future Price Trends of Houses**

Predict the future price trends of houses in Hyderabad over the next 5–10 years using historical data, economic indicators, and demand-supply factors in the local real estate market.

1. Price Prediction Based on Property Type and Configuration

Develop a predictive model that estimates house prices based on the property type (apartment, independent house, etc.), configuration (2BHK, 3BHK, etc.), and architectural style.

1. Impact of Environmental Factors on House Prices

Investigate the impact of environmental factors such as air quality, green spaces, and noise pollution on the price of houses in Hyderabad.

1. Price Prediction Based on Legal and Regulatory Factors

Determine how legal and regulatory factors, such as property titles, land-use zoning, or RERA registration, affect the price of properties in Hyderabad.

1. Impact of Infrastructure Development (Metro, Roads) on Property Prices

Analyze the effect of major infrastructure projects like the Hyderabad Metro or new road construction on house prices in nearby localities.

1. Comparative Price Analysis Across Various Localities

Compare the average house prices in different localities of Hyderabad, considering factors like population density, infrastructure, and socio-economic conditions.