SIDDHARTHA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC – AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)

Accredited by NBA and NAAC with 'A+' Grade

Narapally, Korremula Road, Ghatkesar, Medchal- Malkajgiri (Dist)-501 301

Department of Computer Science Engineering (AI & ML)

Industry Oriented Mini Project (2020-24 Batch) | Batch No: 10
Abstract Proforma

Academic Year: 2023-2024

Date: 19-8-2023

Year & Branch: IV Year CSE(AI & ML) I Sem	Section: AIML

Student Registration Details	1.Mohammed Siddiq(20TQ1A6652)
Roll Number & Name of the Student	2 Vinay(21TQ5A6605)
	3. Apurv Patel(20TQ1A6611)
	4.P Sai Kumar(20TQ1A6637)
Name of the Guide & Designation	Mrs Manaswini

Area (Domain) of the Project	Machine Learning
Title of the Project	House Price Prediction Using Machine Learning Algorithm - The Case of Hyderabad,India
Tools Required	Google Colab, Jupyter Notebook Anaconda

Abstract:

House prices are a significant reflection of the economy, and their value ranges are of great concern for clients and property dealers. Housing prices escalate every year, which eventually reinforces the need for a strategy or technique that could predict house prices in the future. There are certain factors that influence house prices, including physical conditions, locations, and the number of bedrooms, among others. Traditionally, predictions are made based on these factors; however, such prediction methods require appropriate knowledge and experience in this domain. Machine learning techniques, including Linear Regression, have provided significant opportunities for advanced analysis, prediction, and visualization of housing prices. In this project, a Machine Learning Model using Linear Regression is utilized to predict housing prices. The Hyderabad Rent Price dataset scraped from nobroker is part of the available data. While a lot of work has been done in predicting house prices across many countries, very limited research has been conducted on predicting house prices in Hyderabad

Keywords: Machine learning, Linear Regression, House Price Prediction, NoBroker

Signature of the Guide   **Project Coordinator**   **HOD-AI & ML**