SIDDHARTHA INSTITUTE OF TECHNOLOGY & SCIENCES
(UGC – AUTONOMOUS)
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Department of Computer Science Engineering (AI & ML)

Industry Oriented Mini Project (2020-24 Batch)

Batch no: B10

Abstract Proforma

Academic Year: 2023-2024 Date:

Year & Branch: IV Year CSE(AI & ML) I Sem	**Section:**
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 (Assistant Professor)

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	Jupyter Notebook, Google Colab, Python 3.9.13, Github

Abstract:

This project addresses the problem of predicting housing prices accurately, which is crucial for clients and property dealers. House prices often rise each year, making it important to have reliable predictions. However, traditional methods can be complex and challenging for individuals without expertise in the field. To resolve this, the project utilizes a Linear Regression model to forecast housing prices using data from the Hyderabad Rent Price dataset on NoBroker. What sets this project apart is the user-friendly Graphical User Interface (GUI) it offers, created using Tkinter. This GUI makes it easy for users to input information and receive predicted prices based on the machine learning model's analysis, adding simplicity and accessibility for people who aren't experts in the field. The incorporation of the Tkinter-based GUI not only enhances the project's originality but also contributes to the accuracy of the predictive model, making it more user-friendly and broadly applicable.The expected outcome of this project is a robust and user-friendly tool that empowers a broader range of users to make informed decisions about housing investments based on accurate predictions

Keywords: Machine learning, Linear Regression, House Price Prediction, NoBroker, Graphical User Interface, Tkinter

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