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 Roll Number & Name of the Student	1.Mohammed Siddiq(20TQ1A6652) 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 aims to tackle the challenge of accurately predicting housing prices, a critical aspect for both clients and property dealers. With house prices exhibiting a consistent upward trend annually, the necessity for dependable predictions becomes paramount. However, conventional methods often prove intricate, posing challenges for individuals lacking expertise in the field. To address this, the project leverages a Gradient Boosting Regressor Algorithm, utilizing data from the Real Estate Hyderabad dataset. What distinguishes this project is its emphasis on a user-friendly interface. The envisioned outcome is the development of a robust and user-friendly tool, widening accessibility for a diverse user base to make well-informed decisions regarding housing investments, grounded in precise predictions. The integration of machine learning, particularly the Gradient Boosting Regressor, is central to the project's methodology, marking a significant advancement in the realm of house price prediction tools

Keywords: Machine learning, Gradient Boosting Regressor, House Price Prediction,Real_Estate.

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