# Malla Reddy College of Engineering and Technology --------------------------------------------------------------------------------------------------------

**DEPARTMENT OF COMPUTATIONAL INTELLIGENCE**

**III YEAR CSE - AIML II SEM**

**COURSE: APPLICATION DEVELOPMENT - 2 COURSE CODE: R22A66933**

**ABSTRACT**

**TITLE:** CRYPTO PRICE PREDICTION USING LINEAR REGRESSION

**DESCRIPTION:**

The "Crypto Price Prediction " is a web application designed to predict the future prices of selected cryptocurrencies. It utilizes historical price data obtained from Yahoo Finance and implements a Linear Regression model for forecasting. Users can select from a range of cryptocurrencies such as Ethereum, Bitcoin, Binance Coin, and others, and specify the number of days for which they want predictions. The application provides interactive visualizations of both raw data and predicted prices using Plotly. Additionally, users can assess the accuracy of the predictions through the coefficient of determination (R-squared) and even convert the predicted prices into Indian Rupees (INR) using a simple conversion factor. This tool aims to assist cryptocurrency enthusiasts and investors in making informed decisions by providing them with predictive insights into market trends.

**Keywords:** Cryptocurrencies, forecasting, AI in prediction, R-squared, Linear Regression Model.

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