****

**GOLD PRICE PREDICTION**

**USING MACHINE LEARNING**

**MACHINE LEARNING**

Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy. ... Machine learning is an important component of the growing field of data science.

**Resources required :**

Development Tool:- Machine learning

Database-ML

***INTRODUCTION-:***

we will be making a project on, how to analyze and predict, the upcoming prices of Gold, and predict when the gold price is increases and decreases using Machine Learning.

***WORKING-:***

***Working is favour of gold price rally in the long term***

**Project Members:-**

C.chakradhar

V.Rakesh

D.Sravani

B.Jhansi

SK.Sharmila

**INTRODUCTION**

A machine learning system that can be predict gold prices based on the several others stock prices

So first of all lets try to understand the work flow which we are going to flow machine learning system using python

WORK FLOW

1*.*GOLD PRICE DATA

2. *DATA PRE PROCESSSING*

3. DATA ANALYSIS

4. TRAIN TEST SPLIT

5.RANDOM FORET REGRESSOR

6. EVALUATION

**Technologies to be used**

This project developed in MACHINE LEARNING having

* Database Design (MACHINE LEARNING)
* Form Design (PYTHON)
* Coding (GOOGLE COLLAB)

**Overview**

**\*\*** Project is related to GOLD PRICE PREDICTION MODEL USING MACHINE LEARNING

\*\* A brief about random forest regression

\*\* Importing the dependencies

\*\* Reading the data from the data set

\*\* Split the data into target values and feature values

\*\* Model training random forest regressor

\*\* Model evaluation

\*\* comparing the actual values and predicated values

**Project Requirements**

**Software Requirements (Operating *System Database)***

Google collaboration ,machine learning

**Front-end and back-end selection**

An important issue for the development of a project is the selection of suitable front-end and back-end. When we decided to develop the project we went through an extensive study to determine the most suitable platform that suits the needs of the organization as well as helps in development of the project.

**Scope:-**

1. **Advanced technology**-
2. **Internet**
3. **E-Mails:**

**Advantages:**

* Fast and easy to know the price.

**CONCLUSION**

**\*\* Gold has been one of the most important commodities throughout history.**

**\*\* Maintaining gold reserves by central banks is crucial to support the current economic structure of the world.**

**\*\* Some major companies and investors also invest a huge amount of money in gold.**

**\*\* Although not easy, predicting the rate of gold would help investors and central banks to better decide when to sell and buy it, thus maximizing their profits.**

**\*\* In this study, we used machine learning algorithms to predict the gold rates very accurately.**

**\*\* Our study is also the most comprehensive to date, thus taking into consideration various economic indicators of various countries and companies.**

**\*\* It is the first time that the stock value of major gold trading/producing companies, and Russia’s interest rates, have been successfully used as an indicator for forecasting of gold rates.**

**\*\* To the contrary we show that stock value of a major company has more influence on the gold rates than US economy.**

**\*\* In future, we intend to improve our results by using ensemble learning, and deep learning.**