**PROJECT PROPOSAL**

**Project Name:** Making price forecasting of SUWEN stock using machine learning techniques.

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**1.Introduction**

Today, stock markets are a favorite dynamic investment method. However, this dynamic investment method is also greatly influenced by the situation in the country, politics, policies pursued across countries and the industry of the country. Despite all these risks, investors who want to invest in this area make certain predictions. This estimate is made by making use of historical data. Prediction systems can be created to make the forecasts more consistent. These systems have started to use artificial intelligence methods as well as traditional forecasting methods (technical and fundamental analysis). It has been observed that artificial intelligence methods give better results than traditional prediction methods. This is because it has a memory of artificial intelligence methods.

**2.Project Techniques**

In our project firstly we will bring SUWEN stock prices. After that we will collect data’s of USDTRY, XTEKS, COTTON PRICES, WORKER SALARIES, INDUSTRY SALES ETC. (in excel format). These data’s will be inputs of our artificial neural networks. We can use various regression models. In our project we will focus on polynomial reg , random forest method, RNN(LSTM,GRU,BTLSM).

**3. References**

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2. USTALI, Nesrin KOÇ, Nedret Tosun, and Ömür Tosun. "Makine öğrenmesi teknikleri ile hisse senedi fiyat tahmini." *Eskişehir Osmangazi Üniversitesi İktisadi ve İdari Bilimler Dergisi* 16.1 (2021): 1-16.

3. Şişmanoğlu, Gözde, et al. "Derin öğrenme yöntemleri ile borsada fiyat tahmini." *Bitlis Eren Üniversitesi Fen Bilimleri Dergisi* 9.1 (2020): 434-445.

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