**Brief Project Description**

The project is focused on developing a predictive system that will help determine the most favorable periods for purchasing stocks to maximize potential investment returns. To this end, the system uses historical data meticulously gathered from the website of the Macedonian Stock Exchange. This data covers all available issuers and includes information on financial indicators over the past ten years, analyzing daily changes in stock prices, trading volumes, and other relevant parameters.

Through the analysis of this data, the aim is to identify trends that would indicate favorable moments for stock purchases, thereby minimizing risks and achieving optimal investment management. This is made possible by applying machine learning techniques that enable the detection of hidden correlations, and the prediction of future price movements based on past data. Such a system provides a tool for rationally determining the timing of stock purchases, based on mathematical models and predictive algorithms, allowing for an analytical and data-driven approach rather than intuitive estimations.