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(57) Abstract :

The present invention discloses an automated market analysis and trading system for stock market and method thereof. The invention pertains to an automated market analysis and trading system designed to facilitate informed investment decisions in the stock market. The system employs advanced algorithms, real-time data processing, and machine learning techniques to enhance trading strategies and optimize returns on investment. It integrates predictive analytics, risk assessment, and portfolio optimization to improve trading strategies and magnify investment returns. The system is constructed to process large volumes of real-time data, using sophisticated algorithms to identify patterns, trends, and correlations that may impact stock prices. It provides real-time insights and makes data-driven decisions about potential investments by perpetually monitoring and analyzing market conditions. The system applies data analytics methodologies to construct predictive models based on historical market data, past patterns, and behaviors. These models can be utilized to predict future market movements, allowing traders to make precise predictions and potentially gain a competitive advantage. The system focuses on portfolio optimization, considering factors like diversification, risk tolerance, and specific investment objectives

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