

Intelligent Online Commodity Trading System

Prof. Anjali Pise¹, Prof. Ashwini Mahajan², Harshal Wasekar³, Shiva Mallick⁴

Professor, Department of Computer Science And Engineering^{1,2}

Student, Department of Computer Science And Engineering^{3,4}

Abha Gaikwad- Patil College of Engineering, Nagpur, Maharashtra, India

Abstract: *The rapid evolution of digital commerce has necessitated intelligent, scalable, and user-centric platforms for commodity trading. This paper presents the design and development of an Intelligent Online Commodity Trading System using ASP.NET, aimed at streamlining trade operations, enhancing user interaction, and improving decision-making through real-time data handling. The system facilitates secure transactions between buyers and sellers, offers dynamic pricing strategies, and integrates basic analytics to support trading insights. A modular architecture was employed to ensure scalability and maintainability, with ASP.NET providing the backbone for robust server-side operations and database connectivity. Emphasis is placed on usability, data integrity, and system responsiveness, making it suitable for both small-scale traders and commercial enterprises. Experimental results demonstrate the system's efficiency in managing concurrent user sessions, transaction accuracy, and its potential adaptability to various commodity markets. This work contributes to the ongoing advancement of intelligent e-commerce platforms by merging web technologies with intelligent data processing capabilities. Future enhancements may include AI-driven market predictions and deeper integration with blockchain for enhanced transparency and trust.*

This paper presents an Intelligent Online Commodity Trading System developed using ASP.NET to make the buying and selling of goods over the internet easier and more efficient. The system helps users trade commodities securely, manage listings, and perform transactions online. It includes features like user registration, login, product uploads, and order tracking. The platform is designed to be user-friendly and responsive, so it works well on both computers and mobile devices..

Keywords: digital commerce

