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The Chief Editor – **Anvesha**
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Breast Cancer Predication Using Machine Learning

The most prevalent diseases and primary cause of mortality among women worldwide is breast cancer (BC). In light of the rapid population growth and advancements in medical research, early detection of this illness has become increasingly critical. Numerous people diagnosed with the breast cancer don't have the family's background of the illness. however, women with relatives who have experienced the same condition face a greater risk. Moreover, elements like increasing age, hereditary factors, denser breast tissue, being overweight, and exposure to radiation increase the chances of developing the breast cancer. Tumors can be classified as malignant or benign, and physicians require a dependable diagnostic method to differentiate between the two. The mammography technique is employed to identify breast cancer. In this study, we propose a prediction model for breast cancer utilizing various machine learning algorithms to evaluate their accuracy and performance metrics. For simulation purposes, Wisconsin Breast Cancer Dataset (WDBC) has been employed and paper examines five supervised machine learning methods: Support Vector Machine, K-Nearest Neighbours, Random Forests, Decision Tree, Logistic Regression, and XGBoost.

Madhavi Sonawane¹

Siddharth Hariharan²

Amol Patole³

Keywords: *Breast Cancer Prediction, Cancer Dataset, Machine Learning, Support Vector Machine, Random Forests, Decision Tree, K-nearest Neighbors, Logistic Regression, GBDT XGBoost.*

Sustainability Meets Stability: ESG Mutual Funds and Gold in a Tech-Driven Landscape

As investors increasingly focus on incorporating financial returns with ethical, environmental, and technological considerations, sustainable investing is surfacing as a key theme in India's financial landscape. As this paper follows, to understand the growing traction of Environmental, Social, and Governance (ESG) mutual funds and the enduring appeal of gold as a stable asset in Indian portfolios, integrating digital tools and advanced management practices can help investors and fund managers optimize portfolio strategies in terms of transparency, efficiency, and informed decision-making. The study points out how digital technologies, such as AI-driven analytics and blockchain, improve ESG compliance monitoring, increase accuracy in disclosure, and create investor trust. Further, modern portfolio management practices are discussed with a focus on the symbiosis between sustainable investments and traditional assets like gold for balancing risk and reward. As India moves towards 2025, sustainability principles could be combined with leading-edge digital innovations and management strategies to empower investors to build resilient and responsible portfolios. The two goals of financial growth and ethical wealth creation get supported, leading to a future-ready investment ecosystem.

Namrata Kaur Uppal¹

Dr. Satvinder Singh Bedi²

Keywords: *Sustainable Investing, ESG Mutual Funds, Digital Tools, Portfolio Management, Indian Markets.*

Leveraging AI for Enhanced HR Practices: Analyzing Personality Traits Model Using Johari Window

This research explores the application of artificial intelligence (AI) in human resources (HR) by analyzing

primary data from personality tests using the Johari Window model. The study aims to demonstrate how AI can enhance HR practices by identifying a model with patterns and insights from personality data, ultimately improving employee engagement and performance. The data was analyzed using AI tools and algorithms, including research tool used as SPSS 25.0. K-means clustering was used to group employees based on similar personality traits, while Factor Analysis were employed for classification. Sentiment analysis was a test suggested using the VADER sentiment analysis tool. Self-disclosure being of Open-window personality type leads to high employee performance parameters based on how effectively an employee handles tasks, feedback, and interactions.

Dr. Merlyn Michael D'Souza¹

Michael D'Souza²

Keywords: AI in HR, Johari Window, Personality Tests, HR Model, Employee Performance.

Unveiling the Drivers and Barriers:

A Qualitative Exploration of Women's Social Entrepreneurship in India

The purpose of this study is to understand the unique challenges and motivation of women social entrepreneurs in the northern state of Rajasthan in Indian. The empirical study has employed case study and exploratory qualitative interviewing technique of women who are running their social enterprises. The findings reveal that women social entrepreneurs' motivation to start social enterprise is mainly passion for the social welfare, vision for the development of community and commitment to sustainability drive women towards social enterprise. However, they also encounter barriers such as financial constraints, limited mentorship, and social stereotypes and also challenge in managing balance between work and personnel life. This research includes a short sample size for the qualitative research of Indian Context, but the result can differ for different and specific situations like bigger sample size and in case of another country. The findings have practical implications for policymakers, non-profit organizations, and aspiring women entrepreneurs, highlighting the need for supportive ecosystems, access to resources, and mentorship programs to foster women's social entrepreneurship.

Richa Sharma¹

Riya Verma²

Vaishnavi Agarwal³

Dr. Ankur Joshi⁴

Keywords: Women Entrepreneurs, Social Enterprises, Sustainability, Motivation, Challenges.

Effect of CIBIL on Non-Performing Assets due to Financial Shenanigans

The research aims to investigate and explore the complex interaction between monetary shenanigans, characterized by misleading monetary hones, and the precision of credit scoring models. As money related shenanigans can mutilate the data utilized in credit evaluation looks for to disentangle the degree of their impact on credit on credit scoring results and the ensuring suggestions for banks, borrowers, and large budgetary environment. Through a comprehensive investigation of real-world cases, bookkeeping irregularities, and credit scoring strategies. Also, it will investigate potential roads for improving the flexibility of credit scoring models against the affect for monetary shenanigans. Credit scoring system have completely changes the lending landscape by giving lenders effective tools for managing credit risk and determining borrower creditworthiness. This study looks at how credit scoring affects financial institutions' handling of non-performing assets (NPAs). Utilizing extant literature, empirical investigations, and industry protocols, the study investigates the ways in which credit scoring influences NPA management tactics and results. Through the evaluation of borrower credit histories, payment patterns, and financial profiles, credit scoring helps lenders make informed judgments about terms, pricing, and loan approvals based on hard data. By systematically assessing borrower creditworthiness,

lenders are likely to give credit to high-risk borrowers, which lessen the possibility of nonperforming assets (NPAs).

Sumitra Singh¹

Dr. Arpan Parashar²

Keywords: CIBIL, NPA, Credit Scoring, Financial Shenanigans.

Exploring the Impact of Artificial Intelligence (AI) on Business Performance

The rapid advancement of Artificial Intelligence (AI) in business processes presents both exciting opportunities and significant ethical challenges. This research delves into the impact of AI automation on various stakeholders, including workers, businesses, society, and governments. While AI offers immense potential to improve efficiency, innovation, and profitability, ethical considerations surrounding its implementation require careful attention. Potential concerns include job displacement, disruption of social contracts, and biased decision-making by AI algorithms. This paper analyses these concerns and proposes a framework for ethical AI implementation. The framework emphasizes responsible data use, transparency in algorithmic decision-making, and accountability for AI systems. Additionally, best practices for mitigating the negative impacts of AI automation are identified. These best practices include retraining programs for displaced workers, responsible data collection by businesses, and effective AI regulation by policymakers. By implementing these actions, we can harness the power of AI for the benefit of all stakeholders and ensure a future where technological advancements contribute to a more equitable and prosperous society. This research aims to explore the ethical implications of AI automation in businesses. It will analyse how AI impacts workers, businesses, society, and governments. The focus will be on potential issues like job displacement, disruption of social contracts, and biased AI decisions.

Dr. Simmi Rani Prasad¹

Keywords: Artificial Intelligence (AI), Business Processes, Ethical Challenges, AI Automation, Stakeholders, Innovation: Transparency.

Reviving Heritage, Sustaining Futures: A Case Study of Khaki Tours in Mumbai

Khaki Tours has grown into one of Mumbai's most influential heritage-led social enterprises, celebrated for its meticulously researched and engaging portfolio of more than 60 heritage walks. Each walk reveals a unique layer of Mumbai's history, its architecture, communities, forgotten figures, and cultural tradition transforming nostalgia into civic engagement. Through its blend of immersive storytelling Khaki has repositioned urban heritage as a living, participatory experience. It evolved into a hybrid model that functions both as a social movement and an alternative tourism enterprise. However, this success brings Khaki Tours to a strategic crossroads. As demand grows, the organization must decide whether to remain deeply rooted in Mumbai or expand its model to other cities. It must also explore whether digital formats, publications, and merchandise can offer scalable growth without diluting the authenticity of its on-ground experiences. Managing its volunteer-driven "Khaki Army" poses challenges related to consistency, motivation, and long-term sustainability. Amid rising competition and the risk of imitation, Khaki must balance its commercial needs with its mission-driven purpose. This teaching case invites students to analyse how a heritage enterprise can scale responsibly while preserving its core identity of telling stories that strengthens civic consciousness.

Dr. Devaki Nadkarni¹

Dr. Ritu Sinha²

Keywords: Heritage Walks, Storytelling, Scalability, Tourism, Mission-driven Enterprise, Khaki Tours, Mumbai.

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