

Understanding the Economic Implications of Artificial Intelligence Integration

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Abstract. This paper examines the economic implications of integrating artificial intelligence into various sectors. We explore how AI technologies are transforming industries and assess their impact on labor markets and productivity. The study provides insights into the challenges and opportunities presented by AI-driven economic transformation.

Keywords: Artificial Intelligence, Economic Implications, AI Integration, Labor Markets, Productivity

Introduction

Artificial intelligence (AI) is increasingly being integrated into various sectors, significantly impacting economic structures and labor markets. This paper explores the economic implications of AI integration, analyzing how these technologies are transforming industries and influencing productivity. We examine the challenges and opportunities associated with AI-driven economic transformation, providing insights into how businesses and policymakers can navigate this evolving landscape. Our study aims to inform strategies that can harness AI's potential while mitigating its disruptive effects on employment.

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References

1. Jeyhun, R., Elshan, R., Naila, A., & Aydin, N. (2025). Effectiveness of Internet of Things migration into hybrid economic projects.
2. Rahimov, J., Rahimov, E., Nasirzade, A., & Yusifli, P. (2025). Economic aspects of projects based on the Internet of Things. *Innovation and Sustainability Articles*, 5(4), 31-44.

3. оғлу Рагимов, Э. Р., & оғлу Искендерзаде, Э. Б. (2023). ЭФФЕКТИВНЫЕ МЕТЕОРОЛОГИЧЕСКИЕ АСПЕКТЫ ПРИМЕНЕНИЯ НАНОТЕХНОЛОГИЧЕСКОЙ ПРОДУКЦИИ В ТРАНСПОРТНОЙ СФЕРЕ. Сетевое издание «Нефтегазовое дело», (1), 126-142.
4. Rahimov, E., Rahimov, C., & Davudova, S. A. Determining the optimal relationship between speed and acceleration of a vehicle to minimize pollutant emissions into the atmosphere.
5. Moraliyska, M. (2025). Reshoring Supply Chains in EU-US Collaboration after COVID: A Case Study Analysis. Pamukkale Üniversitesi İşletme Araştırmaları Dergisi, 12(2), 497-521.