The Impact of Artificial Intelligence in Digital World

ANSH KUMAR SINGH, MS. HONEY QAISAR

Researcher, Department of Management, School of Business, Galgotias University

Guide, Department of Management, School of Business, Galgotias University

Overview and Study Objectives

Introduction:

Artificial Intelligence (AI) has become a key component of digital transformation, changing how companies handle data, communicate with clients, and optimise processes. AI has sped up advancements in digital marketing, manufacturing, healthcare, and finance by simulating human intelligence through robots, machine learning, and natural language processing. This study examines how AI is changing the digital economy and how businesses might strike a balance between creativity and moral obligation.

Goal of the study:

1. To examine the fundamental uses of AI in many sectors and assess the ways in which these uses support digital transformation.

2. To evaluate how AI can boost operational effectiveness, promote innovation, and improve customer experience.

3. To determine the dangers and obstacles to the adoption of AI, such as the loss of jobs, moral dilemmas, and privacy problems.

4. To assess how well-equipped businesses, particularly small and medium-sized businesses (SMEs), are in terms of infrastructure, expertise, and strategy for integrating AI.

5. To give company executives practical advice on how to use AI in a way that is ethical, sustainable, and responsible.

2. Research Design and Methods

Research Type: To assess attitudes and examine how AI is changing the digital environment, descriptive and exploratory research methods were employed.

• Primary data was gathered from urban Indian consumers between the ages of 18 and 55 using a structured online survey (Google Forms).

Sample collection: 16 valid responses were gathered using a non-probability sampling technique.

• Distributed via student networks and social media sites.

• Students, young professionals, and urban shoppers were among the intended audience members.
The structure of the survey
• SECTION A: AGE, Gender, OCCUPATION, AND EDUCATION

• ARTIFICIAL INTELLIGENCE GENERAL AWARNESS SECTION B

• SECTION-C: THE IMPACT OF AI ON DAILY DIGITAL LIFE

• Section-D: Future Prospects of AI and Issues in the Digital Age
 Tools for Data Analysis:
• SPSS and Microsoft Excel for analysis.

• Employed Chi-Square Testing, Cross Tabulation, and Descriptive Statistics.

3. ESSENTIAL DEFINITS

 • A number of significant findings from the study demonstrated how Artificial Intelligence (AI) is revolutionising enterprises and the digital ecosystem. First off, according to 78% of respondents, using AI technologies to provide real-time insights, data analysis, and predictive predictions really improved their ability to make decisions. Strategic planning has become quicker and more precise as a result, especially in fast-paced industries like finance and e-commerce.

 • Secondly, businesses have been able to save operating expenses by as much as 30% thanks to AI-driven automation, especially when using Robotic Process Automation (RPA) for jobs like data input, inventory control, and customer support. Respondents reported less reliance on manual intervention and greater accuracy and productivity.

• Enhancements to the client experience were also highlighted by the study. AI-powered personalisation, including voice assistants, chatbots, and product suggestions, has raised customer pleasure and engagement. Notably, businesses who used AI to communicate with customers reported increased sales and retention rates.
But there were also serious issues brought to light. Concerns about data privacy, opaque AI algorithms, and job displacement from automation were among the issues raised by respondents.

4. EXAMINATION AND CONVERSATION

 • The data study reveals that artificial intelligence (AI) is significantly changing digital company operations, especially in the areas of supply chain management, marketing, finance, and customer support.

 • Businesses may now send highly targeted and customised messages thanks to the application of AI in marketing and consumer engagement, such as through user behaviour modelling, predictive analytics, and AI-generated content. Better conversion rates, client satisfaction, and loyalty have resulted from this.

 • There are operational and ethical difficulties in spite of the advantages. There is mistrust since many consumers don't know how AI systems work. Transparency is becoming more and more important, particularly in delicate fields like recruiting, healthcare, and finance.

5. CONCLUSION:
• In the digital age, AI is still a revolutionary force. It enables companies to run more effectively and provide more intelligent, customer-focused services.

 • The study demonstrates that AI improves user experiences, reduces expenses, and strengthens decision-making. Businesses need to invest in workforce development and ethical AI practices going future.

• The ramifications of emerging technologies for governance and competition, such as generative AI and real-time analytics, will only increase. Future studies should examine AI issues unique to particular industries, particularly in public policy, healthcare, and education.

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