

# Understanding Artificial Intelligence and Its Effect on Human Intelligence in the Workplace

Name: **Aryan Tiwari**

Enrolment No.: 7006423024

## Abstract

Artificial Intelligence (AI) is transforming modern workplaces by improving efficiency, productivity, and decision-making. This study examines how AI affects human intelligence in the workplace. Data was collected through a Google Form questionnaire with 85 respondents. Results show that most participants believe AI improves productivity and supports decision-making. However, some respondents express concern that overdependence on AI may reduce critical thinking and creativity. The study concludes that AI should complement human intelligence rather than replace it.

## Keywords

Artificial Intelligence, Human Intelligence, Workplace Productivity, Automation, Technology

## Introduction

Artificial Intelligence refers to machines performing tasks that normally require human intelligence such as learning, reasoning, and decision-making. AI is increasingly used in industries like healthcare, finance, marketing, and manufacturing to improve efficiency and automate repetitive work.

## Objectives of the Study

1. To understand the concept of Artificial Intelligence in the workplace.
2. To examine the impact of Artificial Intelligence on human intelligence.
3. To analyze how AI affects workplace productivity and decision-making.
4. To identify benefits and challenges of AI in organizations.

## Research Methodology

Research Design: Descriptive research design.

Primary Data: Collected using a Google Forms questionnaire.

Secondary Data: Books, journals, and websites.

Sampling Technique: Convenience sampling.

Sample Size: 85 respondents.

## Findings

- Most respondents are aware of Artificial Intelligence.
- Many respondents use AI tools in work or studies.
- AI improves productivity and efficiency.
- AI assists decision-making using data analysis.
- Some respondents worry about overdependence on AI.

## Conclusion

Artificial Intelligence is becoming an essential tool in modern workplaces. The study shows that AI enhances productivity and helps employees make better decisions. However, organizations must ensure a balance between AI technology and human intelligence to maintain creativity, critical thinking, and innovation.