

# Usefulness of AI in Day-to-Day Life

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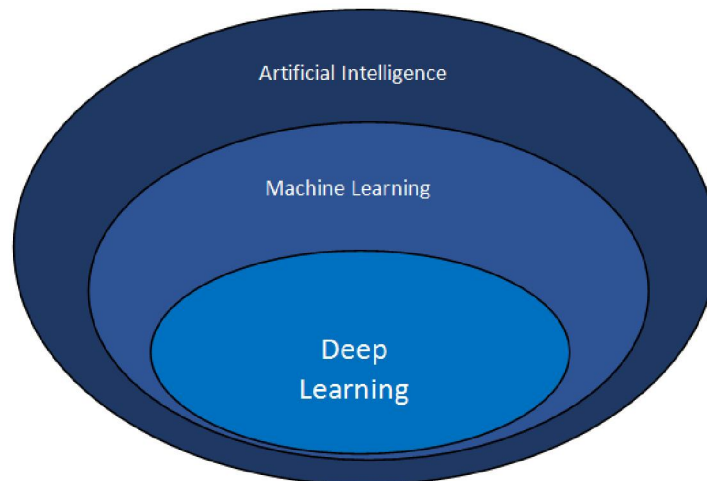
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**Abstract:** *The aim of this research article is to examine the many goals associated with incorporating artificial intelligence (AI) into daily life. The swift development of artificial intelligence technology has resulted in their extensive integration into several facets of human life. This essay explores the main goals of incorporating artificial intelligence (AI) into daily life, provides specific instances of AI applications, and talks about the possible implications and difficulties that come with doing so. This study emphasizes the revolutionary influence of artificial intelligence (AI) on contemporary society by providing a thorough examination of AI's role in improving efficiency, convenience, safety, and decision-making. Most ICT models are complicated, excessively dependent on large amounts of data, and lacking of self-idea functionality. Recent advances in AI have accelerated robotics' progress toward more flexibility and autonomy.*

**Keywords:** ICT, Artificial Intelligence, Technology

## I. INTRODUCTION

Artificial intelligence has developed from a specialized field of study to a pervasive force that affects many aspects of our daily life. AI has permeated every aspect of modern life, from personal assistants on smartphones to driverless vehicles and smart home appliances. In addition to offering insights into the real-world applications and potential negative effects of this integration, this study seeks to clarify the fundamental goals that support it. As AI technologies continue to advance and develop, they are no longer limited to professional sectors or academic research laboratories. They are found throughout our homes, workplaces, healthcare facilities, transit networks, and entertainment centers. This encroachment raises important questions about how AI connects to our basic needs, desires, and goals as well as how it impacts the manner in which our modern way of life continues to evolve. The goal of the interdisciplinary area of artificial intelligence (A.I.) is to automate jobs that now need human intelligence. Artificial intelligence (AI) is a technology that is transforming every part of life, despite the fact that it is not widely recognized. The basics of artificial intelligence (AI), as well as some of its possible uses, were briefly covered in this article.



**Fig.1 Basics of Artificial Intelligence**

### **Advantages of Artificial Intelligence**

#### **Decreased Human Error**

Humans are prone to error when performing dull and monotonous work, but computers, when properly programmed, can prevent this. By applying algorithms to the gathered data, AI models produce predictions, minimizing errors and increasing accuracy. As a result, it is possible to produce better results and make fewer errors. This can help you save time and money. As a result, businesses are increasingly investing in AI to use massive data.

#### **Enables Automation of Routine Tasks**

Today, many occupations still involve a large number of repetitive tasks and procedures. The full capacity of human workers cannot be utilized in this way. AI makes it possible to automate repetitive, boring jobs in a variety of contexts, including data collection and entry, email responses, chatbot customer assistance, manufacturing procedures like visual quality inspection, software testing, invoice creation, and many more. Without a doubt, this can give workers more time to work on creative projects or other tasks that call for uniquely human skills.

#### **Handles Big Data with Ease**

Big data can be processed and understood by AI relatively quickly. It can quickly collect data and extract the information that needs to be analysed. That's not all, though, as AI can also understand and change this data to further process it.

#### **Decision-Making under Continuous Availability**

A Faster Approach to respond to today's dynamic markets, organizations are constantly looking for ways to make decisions more quickly. However, it is imperative to have trustworthy information available at a faster pace for faster decision-making.

Machines may now deliver aggregated data and forecasts to help with quicker decision-making thanks to AI and other technologies.

### **Disadvantages of Artificial Intelligence:**

#### **More Probable to Boost Human Laziness**

Due to greater machine dependency brought on by work automation and the availability of digital assistants, human laziness may increase. When humans rely too much on AI for routine tasks like basic computations or remembering phone numbers or addresses, it can interfere with their ability to perform daily tasks that require analysis or memorization.

#### **Expensive to Use:**

The Initial Setup for AI Requires a High Investment Companies must invest in AI frameworks, including the newest hardware and software, and additional costs are incurred on training teams to use the AI systems. All of this results in expensive implementation and maintenance of AI systems.

#### **Can Boost Joblessness**

While AI can replace manual labour and other sorts of repetitive work, which is advantageous for businesses, this also has a negative effect on employment.

In the future, AI will likely totally replace conventional jobs, making those who currently hold them unemployed.

#### **Lacks Imagination**

Because AI systems rely their forecasts on a set of algorithms, especially in the sphere of content marketing, they can lack creativity.

AI systems are unable to think creatively or outside the box since they get better with time thanks to inputs and experience.

#### **Unable to Comprehend Emotions**

AI systems can function more quickly and continuously, but they are unable to consider emotions while making decisions. These systems consistently maintain a high level of reason and utility. This is why it can be difficult for AI systems to use emotions when interacting with customers because they are so important for sales and marketing because they can persuade a customer to buy a product.

## II. LITERATURE REVIEWS ON ARTIFICIAL INTELLIGENCE IN OUR DAILY LIFE:

**Anant Manish Singh , Wasif Bilal Haju(July 2022):-**A multidisciplinary discipline called artificial intelligence (A.I.) aims to automate jobs that currently need human intelligence. Artificial intelligence (AI), despite not being well known, is a technology that is transforming all facets of life. In order to rethink how we combine data, analyze it, and make decisions, this article attempts to inform laypeople about AI and urge them to use it as a tool in various fields. In this post, we briefly discussed artificial intelligence (AI), its principles, and potential applications.

**Pinky Gupta(Dec 2021):-**This research paper gives readers a high-level overview of how artificial intelligence has changed our daily lives. Machines with artificial intelligence are affecting place in our lives to aid and increase productivity and strengthen our human propensity. It is difficult to imagine living lifestyles with all that we do. A tool that is widely employed is artificial intelligence (AI).It allows people to rethink how we think combine data, analyze facts, and apply knowledge to improve decision-making and assistance with each renovation part of the lifestyles. Organizations have a large number of programs or Many of their facilities include Artificial Intelligence. We can predict that in the upcoming years.

**Mohd Abbas and Gulam Rasool(July 2021):-**Artificial intelligence is a crucial piece of technology that supports both industry and daily life.AI is a rapidly developing technology in our lives right now. The technology industry to the general public. AI redesigned the human form from all perspectives. As an illustration, schools increasingly deploy AI software that uses face recognition to track attendance. Take a driverless car as an example. The AI program that senses the signals and road conditions totally controls the vehicle. The majority of ICT models are complex, overly reliant on huge data, and lacking in self-idea functionality. Emerging cutting-edge technologies include deep learning and business collaboration.

**Indrasen Poola (Oct 2017):-**In the modern world, artificial intelligence is developing quickly thanks to new cutting-edge breakthroughs every day. Modern computer systems are built to do simple tasks like driving a car, recognizing faces, and other menial jobs. But the main objective of artificial intelligence is to create sophisticated and more advanced systems that would do better than humans in every manner. This also incorporates the execution of such as playing chess and solving equations, which are more challenging jobs.

## III. METHODOLOGY

### 3.1 Research Design

- Exploratory Research: Given the evolving nature of AI's integration into daily life, an exploratory research design will be employed to gain insights into various objectives, applications, and implications.

### 3.2 Data Collection

- Literature Review: Conduct an extensive review of scholarly articles, research papers, reports, and relevant books to establish a solid foundation of existing knowledge and trends regarding AI in daily life.
- Case Studies: Select representative case studies from different domains, such as healthcare, transportation, entertainment, and home automation, to analyse specific AI applications and their impacts.
- Surveys and Interviews: Administer surveys to individuals to gather their perceptions, experiences, and concerns related to AI integration. Conduct interviews with experts, practitioners, and stakeholders to gain nuanced insights.

### 3.3 Data Analysis

- Qualitative Analysis: Analyze qualitative data from case studies, interviews, and open-ended survey responses using thematic analysis to identify patterns, emerging themes, and common perceptions.
- Quantitative Analysis: Analyze quantitative survey data using statistical methods to quantify trends, preferences, and attitudes toward AI integration.



**Fig.2 Steps of Research Design**

### 3.4 Objective Identification

- Categorize and synthesize the identified objectives driving AI integration into day-to-day life based on the information gathered from the literature review and qualitative analysis.

### 3.5 Application Assessment

- Examine real-world AI applications in various domains, discussing how they align with the identified objectives. Assess their impact on efficiency, convenience, safety, and other relevant dimensions.

### 3.6 Implications and Challenges:

- Identify ethical, societal, and technical implications arising from AI integration. Analyze challenges related to data privacy, algorithmic bias, human-AI interaction, job displacement, and regulatory frameworks.

### 3.7 Comparative Analysis:

- Compare the objectives and outcomes of AI integration across different domains, highlighting similarities, differences, and lessons that can be applied to other sectors.

### 3.8 Ethical Considerations:

- Reflect on ethical considerations in conducting research involving human subjects, ensuring privacy and informed consent.

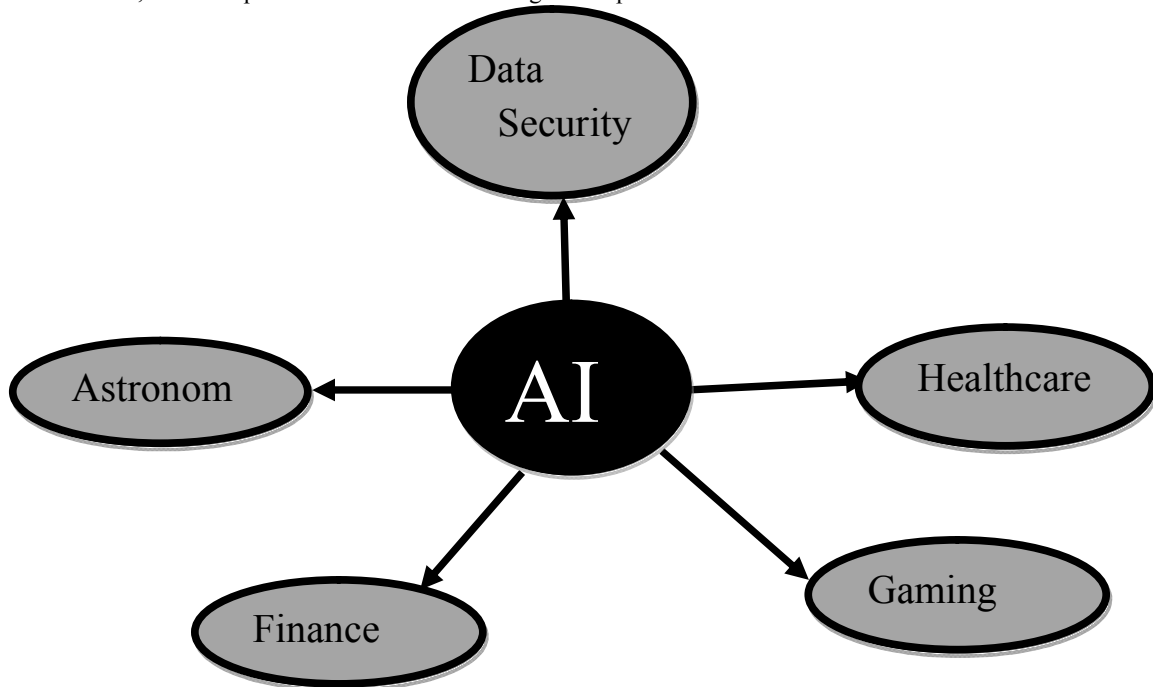
### 3.9 Validity and Reliability:

- Enhance the validity of findings through triangulation by using multiple data sources (literature, case studies, surveys, interviews). Ensure reliability by maintaining consistency in data collection methods and rigorous analysis techniques.

## IV. APPLICATIONS OF AI

- **AI in Astrophysics-** Complex problems in the universe can often be solved extremely effectively by artificial intelligence. AI technology can be useful for understanding the universe, including its origin and workings.
- **Healthcare and AI-** In the recent five to ten years, AI has become more beneficial for the healthcare sector and is expected to have a big impact on this sector. AI is being used in the healthcare sector to diagnose patients more quickly and accurately than humans. AI can assist doctors with diagnoses and also alert them when patients' conditions deteriorate so that treatment can be administered before the patient is hospitalized.

- **Gaming with AI-** AI can be utilized in video games. The AI machines are capable of playing strategic games like chess, which require a lot of creative thinking on the part of the machine.



**Fig. 3 Applications of AI**

- **Gaming with AI-** AI can be utilized in video games. The AI machines are capable of playing strategic games like chess, which require a lot of creative thinking on the part of the machine.
- **Finance using AI-** The finance and AI industries make the ideal partners. Automation, chatbots, adaptive intelligence, algorithm trading, and machine learning are all being applied to financial processes in the finance sector.
- **Data Security Using AI-** Every business must prioritize data security, and in the digital age, cyberattacks are increasing significantly. Your data can be made more secure and safe with the help of AI. Examples like the AEG bot and the AI2 Platform are used to more accurately identify software bugs and cyber-attacks.

### V. CONCLUSION

The integration of AI into everyday life is driven by objectives such as efficiency enhancement, personalized experiences, decision support, safety, accessibility, and automation. Its applications span various domains, significantly impacting how we live, work, and interact. However, this integration brings forth ethical, societal, and technical challenges that require careful consideration. As AI continues to evolve, fostering a balanced approach between technological progress and responsible deployment is paramount to harness its full potential for the betterment of society. People are connecting with AI more as it continues to improve on a daily basis and become a more comfortable technology. We can therefore draw the conclusion that while it is a brilliant technology, each technique must be used in moderation in order to be used efficiently and safely.

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