Artificial Intelligence

INTRODUCTION -

AI is a branch of computer science by which we can create intelligent machines which can behave like a human, think like humans, and able to make decisions on their own. Artificial Intelligence is composed of two words artificial which define something that's made by humans and intelligence which refers to the ability to think on its own, and hence this makes artificial intelligence "thinking power made by human".

This field was formed with an idea that one day machines will be able to think or in other words, we can replicate the feature that makes us human, our intelligence along with our consciousness. This may sound like a sci-fi or a new age concept but the fact is, there has been reference to such things in mythologies and several other texts, scriptures, and artifacts as well.AI has been a turning point not only in the field of research but has also been playing a keen role in revolutionizing industries and work as we know it today.

With an ultimate goal to create consciousness, AI goes through several stages of planning, reasoning, analyzing data, prediction of outcomes and acting accordingly.

AI also involves the use of statistics and probability and various other mathematical tools (neural networks and machine learning is mostly based on these).

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Artificial Intelligence

1st Review

AI (artificial intelligence) is one of the most trending topics these days. Artificial Intelligence can think like people. The need of Artificial Intelligence is increasing every single day.

Pros and Cons of AI –

- Pros: -
    - Reliable
    - Cost Affective
    - Solves complicated problems
    - Make decisions
- Cons: -
    - Scientists predicts that AI humanity could extinct.
    - People will be jobless.
    - Losing the sense of living.

Artificial Intelligence is designed using lot of algorithms. We use AI daily basis like voice recognition, virtual agents, Machine learning platform.

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2nd Review

The goal of AI research is to create systems that can reason, learn, and act intelligently, and to develop algorithms and technologies that can enable computers to perform tasks that normally require human intelligence, such as pattern recognizing, learning from data and making decisions.

AI has the potential to transform many fields and industries, and it is already being used in a variety of applications, including healthcare, finance, transportation, and education.

- Working of AI: -
  - Machine Learning
  - Deep Learning
  - Cognitive Computing
  - Computer Vision
- Applications of AI: -
  - Chat bots
  - Smart assistants
  - Disease Mapping and Prediction
  - Healthcare
  - Spam Filters
  - Self-Driving Cars

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3rd Review

Artificial Intelligence is mind blowing technology, which works in computer science fields. AI becoming more popular because of its advanced algorithms, improvement in computing power.

- AI can impact on different categories like:
    - Economy
    - Environment
    - Agriculture
    - Education
    - Government
    - Innovation
    - Military and Defence
    - Healthcare
    - Labour Market
    - Medicine

The concept of machines with human-level competence is emerging and should be carefully monitored. The applications of Artificial Intelligence have transformed in every way of almost every area in modern society.

4th Review

There are many differences between human thinking and artificial intelligence (AI). Humans are able to think, reason, and make decisions based on their experiences and knowledge, while AI is able to process large amounts of data and make decisions based on programmed rules and algorithms.

One key difference is that human thinking is flexible and adaptable, while AI is more limited by the specific rules and algorithms it has been programmed with. Humans are also able to learn and adapt over time, while AI systems require explicit programming in order to learn or adapt to new situations.

Another difference is that human thinking is often subjective and influenced by emotions, while AI is more objective and does not experience emotions in the same way that humans do.

Overall, while there are many similarities between human thinking and AI, there are also significant differences that set them apart.

5th Review

Artificial intelligence (AI) has the potential to significantly impact the global market in a variety of ways. Some industries that are expected to be particularly affected by AI include manufacturing, healthcare, and finance.

In the manufacturing industry, AI can be used to improve efficiency and productivity by automating certain tasks, such as quality control and assembly line processes. AI can also be used to optimize supply chain management and improve forecasting accuracy.

In the healthcare industry, AI can be used to analyse medical images and assist with diagnosis, as well as to assist with administrative tasks such as scheduling and managing patient records.

In the finance industry, AI can be used to analyse market data and make investment decisions, as well as to detect and prevent fraudulent activity.

Overall, AI is expected to have a significant impact on the global market and to revolutionize many industries.

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Conclusion

Artificial Intelligence and the technology are one side of the life that always interest and surprise us with the new ideas, topics, innovations, products …etc. AI is still not implemented as the films representing it (i.e., intelligent robots), however there are many important tries to reach the level and to compete in market, like sometimes the robots that they show in TV. Nevertheless, the hidden projects and the development in industrial companies.

At the end, we've been in this research through the AI definitions, brief history, applications of AI in public, applications of AI in military, ethics of AI, and the three rules of robotics. This is not the end of AI, there is more to come from it, who knows what the AI can do for us in the future, maybe it will be a whole society of robots

Future Scope

The goal is to create computer intelligence programmes that can handle real-time problems and help organisations and everyday people achieve their goals. Machine games, speech recognition, language detection, computer vision, expert systems, robotics, and other fields have potential. The more you understand machine learning sciences, such as physics or biology, the better.

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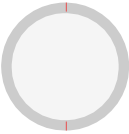
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