# Essay Outline:
## Will AI Surpass Human Intelligence?

**A. Introduction:**
   a) Prediction of the Published paper, titled, "When Will AI Exceed Human Performance? Evidence from AI Experts".
   b) Possibility of AI surpassing Human Intelligence.
   c) Thesis Statement.

**B. Understanding the Basic Concepts of AI and Human Intelligence.**
   a) Recent Breakthroughs in Artificial Intelligence.
   b) The Concept of 'Singularity' by science fiction author, Vernor Vinge in 1990.
   c) Difference between AI and Human Intelligence in terms of perceiving, learning, abstracting and reasoning.
   d) Book Review: "21 lessons for the 21st century" by Yuval Noah Harari

**C. AI will Surpass Human Intelligence.**
   ① Automation Potential and Economic Boost.
   a) Automation of tedious processes with fatigue.
   b) Enhance products and services.
   c) Automation impacting Job Statistics — A Report by Goldman Sachs.

   2) A Spark debate on Artificial General Intelligence in outerperforming Human Intelligence.
   a) Role of AGI
   b) Published Academic Paper titled, "Sparks of Artificial General Intelligence: Early experiments with GPT-4."

... plus because it increases people's

**3)** Transforming Educational Sector.

a) Chinese tutoring app i.e. **Squirrels AI.**

b) Next Wave India

c) Designing course ; Andrew Maynard, Professor of Advanced technology transitions; Arizona State University

**4)** Improving Transport System.

a) Bringing Copenhagen style bike networks.

b) Ironing out shart-ups in Chicago bus system.

c) Making airport more efficient — World Economic **Forum** Report (WEF)

**5)** Revolutionizes Climate-resilient Agriculture System ~~better than human.~~

a) Climate AI ; Enterpreneur Himanshu Gupta — World Economic Forum Report.

**6)** AI and Health sector.

a) Utilization of Prostheses and implants (chips)

b) A New Antibiotic discovered after 3 decades — BBC interview Report.

c) Can detect disease through tongue — Middle Technical University.

d) As Per American Association Medical College, — an estimated shortage of 38,000 and 124,000 physicians by 2034)

**7)** AI and Gaming Industry.

a) In 1997, ABM Computer Deep Blue beat the Russian world champion chess player ; Garry Kasparov.

b) AI is reshaping video games, increased in number from 3.2 billion to 3.3 billion.

8) AI and Creativity
   a) Joanna Maciejewska, said :.
      " I want to do my laundry and dishes
      so that I can do art and writing,
      not for AI to do my art and writing
      so that I can do my laundry and dishes".

9) AI can predict early disasters.

10) AI is changing the modern war tactics.
    a) Israel - Palestine War.
    b) Russia - Ukrain War.
    c) Protects cyber - security.

4) AI and E-commerce.
   a) Amazon and Netflix Alogrithm Predictions.
   b) Chatbot Assistance
   c) Web- development.

12) AI and Social Media.
    a) Influence Public Perception.
    b) Personalize user experience.
    c) Target ads to users.
    d) Documentary Review : Social Media Delimma.

13) AI impact of Human Interaction.
    a) Replika app developed by U.S. in 2017.
    b) Black Box, a series by The Guardian

D. **AI Cannot Surpass Human Intelligence.**
   ① AI cannot Influence the sales
      generative customers.
   2) AI cannot provide Psychological Assesments.
   3) AI cannot make decisions.
   4) AI cannot think.

**E.** **What Actually AI cannot do?**

a) Human can exist minus reaction.

b) AI can think and react based upon the input i.e. Perception and sensation, but it cannot be conscious minus the input and the output (e. Thought.

c) Humans can exist without any input or output.

d) Elbert Einstein once remarked:

" Imagination is more important than intelligence or Knowledge. Knowledge is limited. Imagination encircles the world."

**F.** **Conclusion.**

# Essay.

In a paper published last year, titled, "When Will AI Exceed Human Performance? Evidence from AI Experts", elite researchers in artificial intelligence predicted that "human level machine intelligence", or HMI, has a 50 percent chance of occuring within 45 years and a 10 percent chance of occuring within 9 years. But anyone who has ever had a conversation with Siri or Cortona, (some of the virtual assistants on the market today), might argue that HLMI is already here. Today, Public interest in AI is at an all-time high. with the headlines in recent months about generative AI systems like chat GPT, there is also a different phrase that has started to enter the brodder dialogue : artificial general intelligence or AGI. For decades, super intelligence (AI) has been a staple of science fiction, embodied in books and movies about androids, robot uprising, and a world taken over by computers. Now, it seems that AI has been embodied in our lives that in future it will become only a source of disease and also an only cure for human beings. Humans are now and will be completely dependent on AI - machines. Furthermore, there will come a time when AI will outpace humans. The advancement of AI is useful in many aspects because it increases people's

quality of life and well-being. Probably, there is a serious concern that AI will surpass human intelligence, leading to the era of a dystopian world where it will become the overlords of human civilization. No doubt, it seems like a reality because AI has shown a remarkable progress in various fields including computer vision, natural language processing, robotics, and the recent addition of Chat-GPT. Despite, AI cannot achieve human-like intelligence today, but in the near future, it will. Due to it rapid progress & like processing vast amounts of data and quickly perform complex calculations. AI can also analyze data and recognize patterns that may be impossible for humans. AI has the ability to surpass human intelligence given adequate time and resources. AI can learn from vast amounts of data and improve performance and time leading to significant advancements in various fields like health, education, war tactics, social media, business, IT sector etc. Nevertheless, some experts argue that AI will never surpass human intelligence due to its limitations of current AI technology, while AI can process data and make decisions based on it. It lacks human creativity, intuition and emotional intelligence. However, evidence shows that AI is capable of adapting all human features which makes it better to perform various tasks at

quality of life and well-being. Probably, there is a serious concern that AI will surpass human intelligence, leading to the era of a dystopian world where it will become the overlords of human civilization. No doubt, it seems like a reality because AI has shown a remarkable progress in various fields including computer vision, natural language processing, robotics, and the recent addition of Chat-GPT. Despite, AI cannot achieve human-like intelligence today, but in the near future, it will. Due to it rapid progress, like processing vast amounts of data and quickly perform complex calculations. AI can also analyze data and recognize patterns that may be impossible for humans. AI has the ability to surpass human intelligence given adequate time and resources. AI can learn from vast amounts of data and improve performance and time leading to significant advancements in various fields like health, education, war tactics, social media, business, IT sector etc. Nevertheless, some experts argue that AI will never surpass human intelligence due to its limitations of current AI technology. While AI can process data and make decisions based on it. It lacks human creativity, intuition and emotional intelligence. However, evidence shows that AI is capable of adapting all human features which makes it better to perform various tasks at

a time without any error. These tasks are much better than humans. Some arguments also shows that AI will learn Some features. In a nutshell, Artificial Intelligence can/will surpass human intelligence in the coming future. However, Some experts say that it cannot outperform humans. But, in reality AI can perform all the functions. yet it cannot exist without any p input or the output, while humans can.

Keep practicing on different themes