

खण्ड-A / Section-A

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इस भाग में
लिखना नया है।
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- Q.1 You can't serve data on a hungry man's plate.
आप किसी मूखे आदमी की थाली में डेटा नहीं परोस सकते।
- Q.2 AI is overcoming our mental limitation but not expanding our mental horizon.
ए.आई. मनुष्य की मानसिक सीमाओं को नियंत्रित कर रहा है, किंतु मानसिक क्षितिज का विस्तार नहीं कर रहा है।
- Q.3 We are using environment for politics, not politics for environment.
हम पर्यावरण का उपयोग राजनीति के लिए कर रहे हैं, न कि राजनीति का उपयोग पर्यावरण के लिए।
- Q.4 The worst form of inequality is to try to make unequal things equal.
असमानता का सबसे बुरा रूप है असमान को समान बनाने का प्रयास।

2) AI is overcoming our mental limitation but
not expanding our mental horizon

Shailesh and Vignesh are neighbourhood
friends, who spent their formative years studying
together and living in close proximity. Both of them
are tech enthusiasts and won several accolades
in school competitions.

As they grew into adolescence, Shailesh
experienced a genetic condition which caused visual
impairment to his eyes. This impacted his lifestyle

in every potential. Vignesh on the other hand decided to expand his mental horizons through science.

Before we understand the future of Charles and Vignesh, let us delve into the paradigm of

Artificial Intelligence (AI) and its impact on human life.

AI is computerized process/system with capabilities to imitate and replicate human abilities. It has significant impact on every aspect of life, such as healthcare, defense, education etc.

Similarly, it has the ability to overcome mental limitations. On a mundane level, AI can propose an exercise routine, healthy foods and organize reminders and mails in corresponding folders.

The improvements of voice recognition is attributed to development of AI.

Along the same lines, AI aids in synthesizing large amounts of data, which is beyond mental capacities of human. The corresponding data analytics, will aid in improving the systems. To illustrate, Government of India utilises AI systems to identify fake GST billers claiming rebates, subsidies. So, AI helps in scanning multiple documents and finding linkages, which are not identifiable by humans.

Due to the computational power of AI, it can perform large scale calculations that are beyond human thinking. In the field of sports, AI bots have successfully defeated the premier players in Chess, Go. Similarly, climate agencies such as UNEP are utilising these technologies to forecast the climate of the future.

AI also possesses the abilities to track images and predict them with high accuracy. This technology is being used in ongoing Russia-Ukraine war, where AI enabled drones are taking down tanks, fortified structures with minimal guidance.

Similarly, Chandrayaan-3 was able to overcome mental limitation of humans by scanning for its own landing spot, instead of driven by human intervention.

While AI surely and definitely overcomes our mental limitations, does it limit our mental horizons? observations around the world suggests so. The notion that AI can replace jobs done by humans in lieu of greater productivity and returns is a dilapidating predicament.

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At a time when AI was seen as complementary to humans has turned around to become supplementary, thus shrinking the mental horizons of humans for economic returns. The proliferation is also witnessed at highest echelons of corporate firms for decision making.

All the while Chat GPT is ruling the tech sector and individual abilities. Shane Parrish has opined that AI will limit the mental horizons because when we stop thinking, our illusions die, thus we rely on AI to produce otherworldly ideas than relying our ourselves.

Such scenarios are also experienced in the field of bioscience, where AI systems are given

precedence over human capabilities. The expansion of AI systems to formulate compounds, chemicals, vaccine limit the mental horizons of humans.

However, the maxim that all glloom is not doom applies in AI development as well. AI is also expanding our mental horizons, as witnessed through AlphaFold AI program. The protein structures crystallised by AI will enable scientists to expand research and treat disorders.

In the educational sector, AI is aiming to reach and teach millions of students through translated lectures, interactive chatbots (Khan Academy) in local languages. It is also used to expand mental horizons by protecting (codifying) indigenous languages.

AI is also revolutionizing the healthcare sector as scientists are creating formulas, ingredients and testing them in AI enabled sandbox, instead of animals to test its efficacy. This led to upsurge in medical testing and also safelying ethical guidelines.

Yuval Noah Harari suggested that AI and biotech can expand our mental construct, so much so that superior species to Homo Sapiens can be manifested. On the face of it, superior homo sapiens seems enthralling, but the second order effects on human civilization, inequality and racism provide dystopian future. There must be means to expand mental horizons for a better future, right?

The apprehensions of AI on mental horizons and subsequent extinction of humans is palpable as "Center for AI safety (CAIS)" posited that AI poses a risk that can be quantified to the risk of nuclear war. To align AI with human benefits, it requires multi-faceted approach involving multiple stakeholders.

It all starts with enculturation and education to inculcate ethical framework as suggested by Rousseau and Plato. This aids in the decision making and expanding mental horizons in a manner that expands human abilities.

Companies should promote altruistic use of AI that overcomes mental limitations.

and also promote mental horizons. This can be done through independent testing systems, AIAC Asimov's 3 principles on robots, collaborative forums to discuss best practices.

Government has the most pivotal role in regulating the space of AI, proactively to eliminate the risk of AI hindering the expansion of mental horizons. Governments across the world should come together and deliberate upon standard operating procedures (SOPs) for development of AI.

In the case of Shailish, he was using AI enabled products to understand the world around the world through Text-to-Speech technology. In this manner, he was able to overcome his mental limitations.

On the other hand, Vignesh became a scientist in the field of bio-science. He did revolutionary work in creating brain implants supported by ^{AI} technology to provide visual signatures to blind people. His desire to help Shailash has become a reality with AI expanding mental horizons of Vignesh.

To summarize, Artificial Intelligence (AI) is a force that can have cataclysmic effects on mental limitations and mental horizons. It is upto individual's fortitude and government's vision and market's finance, that will drive the future of AI and humans.

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NEXT IAS

खण्ड-B / Section-B

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- Q.5 Existence is a science, living is an art.
अस्तित्व एक विज्ञान है, जीना एक कला है।
- Q.6 If the truth shall kill them, let them die.
यदि सत्य से किसी की मृत्यु होती है, तो उन्हें मरने दो।
- Q.7 The only way to go beyond things, is to go through them.
हालातों से परे जाने का एकमात्र तरीका उनसे होकर गुजरना है।
- Q.8 Dream for the best. Be prepared for the worst. Enjoy life in between.
सर्वश्रेष्ठ के लिए सपना देखें। सबसे बुरे के लिए तैयार रहें। इसके बीच के जीवन का आनंद लें।

8)

DREAM FOR THE BEST. BE PREPARED FOR
THE WORST. ENJOY LIFE IN BETWEEN

There lived a boy born in a low-income household in Uttar Pradesh. His father had the role of delivering cylinders and other palty jobs to sustain the life of his family. The economic situation didn't deter the boy from dreaming to represent his nation in the field of cricket.

While his father supported to the best possible extent, the dreams of the boy remained as dreams. The precarious economic situation led his brother offer him the job of sweeper and cleaner at a government facility.

Before we understand the future of the boy/man, let us understand the realms of dreams, reality, preparation in an individual's life. Dreams are visualisation that are often associated with positive events in one's life. They provide visionary lifestyle aspirations coming into fruition, albeit in a fictional world. Dreams manifest into goals for a human and provide ambition and motivation to perform tasks.

The earliest species of Homo Sapiens had small lifespan due to practice and lifestyle. However, this didn't stop humans to live longer. This dream has manifested into reality through development of kinship, social cohesion and community lifestyle.

As time passed, Church became the epitome of dictating reality of the individuals. However, the enlightenment thinkers dared to dream. Galileo is one such thinker, whose hypothesis was against Church's Ptolemaic system. He was prepared for the worst and engraved on his burial stone - "Eppur si muove (but the earth does move)", enclaining his bold dreams changing not only his life but for millions.

The independence movement across the world has crushed dreams of inhabitants as they were subjugated under colonial rule. There were individuals who dreamt of alternate reality such as Nelson Mandela, Desmond Tuhe, Mahatma Gandhi etc. These were also prepared for the worst as they braved harsh punishments by colonizers.

To illustrate, an individual was arrested during Indian national movement. In one of his letters, he wrote "Jee raj ka tute kam lear do (weaken the rule of this raj)", when he was apprehended by Britishers, he exclaimed that he was merely mentioning to loosen the strings of his musical instrument called 'Eeraj'. Through his wordplay, he captivated several other fighters.

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During the same period, Hitler dreamt of a reality that aligns with his worldview. That is to conquer the world and promote his "Aryan race". While his dreams were lofty, it seems that he faltered in preparation for the worst. There must be advantages for preparing to the ~~worst~~ worst, right?

The development of stoic philosophy through the works of Seneca, Confucius, Marcus Aurelius promote preparing for the worst. It enables individual to convert fear into action and cultivate a positive framework over life.

This is explained during the rule of Marcus Aurelius as Roman emperor. His state witnessed loss of life due to war, disaster but his preparations for the 'worst' enabled his long-rign.

The field of social sciences such as sociology, anthropology rely on fieldwork. While the dreams articulate the hypothesis and field location, the preparation for worst dictates the efficacy of study. The culture shock, language issues and alienated presence of self requires mental preparation to enjoy the life of social sciences.

Similarly, millions of students dream to crack prestigious exams but only few prevail. The preparation for the worst enables the rest of them to bounce back and achieve greater in life.

To illustrate, the life of Satya Nadella, from a student who got rejected by IIT-JEE to leading a trillion dollar business is an epitome of persistent dreaming, preparation and enjoying life.

The quality of preparing the worst promotes in minimizing chaos and safeguard lives. The recent incident of Oceangate's demise is a circumstance when dreams weren't matched with preparation, thus leading to unfortunate loss of lives.

In the realm of sports, Michael Phelps's coach described that Phelps used to prepare with malfunctioned goggles. This preparation for the worst helped him sustain an actual malfunction during event.

However, preparing the worst doesn't necessarily yield enjoyment in life. The preparation for worst could lead to negative attitude through loss of energy, motivation to perform a task, thus derailing the joy of life.

Also, the notion to prepare for the worst meant spending high amounts of time and effort to conduct all activities. The Volkswagen dieselgate scandal showcases the perilous nature to circumvent the worst. But, the shortsighted move backfired and destroyed the joy of life among executives.

Thus the dubious means of corruption, bribery, forgery are adopted to overcome the preparation for the worst. Similarly, preparing for worst influences suicidal tendencies and promoting that one to be inferior than others.

There are means to overcome these fallacies and finding the joy in life. The theory of Yerkes-Dodson law promotes optimum level of stress that promotes maximum action.

Similarly, the Buddhist philosophy promoting controlling the uncontrollable. This is extensively used in fields by embarking on high practice across situations than focusing on external factors that are unknown to anyone.

This thought process enables to yield maximum joy in one's life. The traits to prepare for the worst are fortitude, prudence, courage, aptitude and attitude. These factors decide the ability of individual to prepare for worst.

While dreams and preparation seem dialectic on the onset, it is contentment with one's life without comparison as prompted by Lao Tzu must be promoted. As Socrates says, "Contentment is natural wealth, luxury is artificial poverty".

An individual can make his dreams, and focus on preparation through meditation, journaling, practicing therapy and counselling to seek help / advice when required to find joy in life.

The boy became a man and declined the job offered by his brother and continued to pursue his dreams. He persisted and prepared for the worst. Slowly, the joy in life amplified as he got selected to represent Indian national team.

His name is Rinkeu Singh, the one who knows that the dreams can yet to be fulfilled and preparing ~~him~~ for the worst enabled his skills grow to such an extent. As Jean Paul Sartre states, life is between Birth and Death, it is the choices we make."

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AI is overcoming our mental limitation but not expanding our mental horizon
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Vibho. Sailesh - mentor Nignesh - tech enthusiast
audition vision

Space for Rough Work

Ques time

What is AI?

Link with mental limitation

AI - definition, application/fields - health, edu rudimentary

2) Mental Limitations

2.1) Reininders - mundane

2.2) Synthesize large material. - Data analytics, social profile technology

2.3) Calculations Esports - Go, Chess

2.4) Space Defense - AI enabled drone (Ukraine Russia) Climate - UNEP tracker, forecast

3) Hindern mental horizon

4) Flipside - promot expands horizon

5) All is not good

6) Conclusion

3) Hindern mental horizons

3.1) taxing lanity (AI vs jobs)

3.2) Reliance on AI Jimmy Bartlett (AI vs tech)

3.3) Thinking stops (Share Pamish Arthur willer)

3.4) Machines over humans (Comp decision making)

3.5) Overton window of intentional Ethical implications - unknown

4) Expand mental horizons

4.1) Protein structure - AlphaFold AI. Chromosome structures

4.2) Education - chatbots, translation (Bhashini), reconstruct extinct language

4.3) Medicines - Vaccines, formulas

4.4) Cyber attacks - predict social eng band on online profile analysis

4.5) Herani AI x biotech - species

5) Guardrails

5.1) CAIS - nuclear war | Individual - ethical edes (Norals Plato Booker)

5.2) Govt - practive regulin - support good, prohibit bad Also Companies

restrict sensitive fields - weapon backing - defense

5.3) GAIA fora - broad framework - applications, fields

3 principle

6) Conc - Sailesh, Vignesh - AI enabler, force to reckon with - limitation, horizon

Dream for the best, & preparation for worst. Enjoy life in between

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Intro-Rinku Singh

Space for Rough Work

Questions

① Dreams - Manikshah, visualisation Kindness - Jia Byock

Good - ~~Phelps~~, Studying abroad, Health, Genetics
~~Deepika Kumari~~, ~~Formative~~ ~~McK~~, ~~MS~~, ~~andela~~,
Hitler

1) Dreams - good
2) ~~bad~~

3) Preparation
worst - but
worst - worst

② Preparation - Good for worst - Good

2.1) Stoic philosophy (Fear into action)

2.2) Resilience - Students (Archaeological studies)

2.3) Gandhi - Freedom work Lesson Chaos
2.4) Cao Tzu - Content

③ Preparation for worst - bad

2.5) Organize Safety

2.1) Negative attitudes - lack of energy, motivation

2.2) Understanding behavior High cost, time

2.3) Failure from start - suicide intention

2.4) Impacting performance - Deepika Kumari

④ Reality | Enjoy life in the now

4.1) Yukio - Lesson less - stress stimulates action

4.2) Optimism life ebbs and flows

4.3) Control the uncontrollable - Buddhist preparation - in your hand (former)

4.4) Traits - fertility, prudence, courage, aptitude & attitude

4.5) Contentment - Cao Tzu, Socrates (prudence) & / Ajzy -
Confucius - Common

Cunc - IP Sarke - BOD

meditation
journaling
therapy