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QUESTION NO: 10

HUMAN SPIRIT PREVAIL TECNOLOGY

Outline:

Though technology has great potential to shape human spirit, It is imperative that human spirit must dominate technological advancement to balance science with conscience.

1. INTRODUCTION

2. CONTEXTUALIZING THE ESSENCE OF HUMAN SPIRIT AND TECHNOLOGY

3. WHY IS IT ESSENTIAL FOR HUMAN SPIRIT TO DOMINATE TECNOLOGY

3.1. Rapid technological growth
Poses threats to human existence
(case study: "Risk to humanity" an
open letter by Elon Musk)

3.2. Excessive technological dominance
causes decline in human creativity
(case study: Generative AI)

3.3 Humans face unemployment at the expense of sophisticated growth of new technologies
(case study: AI-revolution and automation)

3.4. Unethical use of technology ignites social biases and discrimination
(case study: Noah Harari's views)

3.5. Addiction of technological usage among youth necessitates human spirit to prevail technology
(case study: Pope's address to the youth, 2025)

3.6. Automation and decision making features empower technology to act without human intervention
Poses grave perils to peace and stability
(case study: AI-operated nuclear nukes and weapons)

3.6. Technological driven medical diagnosis and surgeries require human intervention to alleviate errors of technology

DATE: / /

3.7. Technological manipulation by perpetrators demands human control over technology to safeguard cyber space

(case study: cyber bullying and harassment through AI tools.)

3.8. Spread of misinformation using technology demands human control over nuance tools.

(case study: Cyber warfare between India-Pakistan during war in 2025)

3.9. Unequal distribution of technological resources without proper checks and balances widens gender disparity

(case study: Rafia Zakari's views)

3.10. Technological driven transportation need human control to avoid accidents.

(case study: Elon Musk's Tesla Truck - accident)

4. COUNTER PERSPECTIVE: CRITICS ARGUED OTHERWISE

DATE / /

4.1. Critics argued that human has the habit to get panicked with every new discovery or invention

(Case Study: Industrial revolution and threat of colonial dominance)

4.2. Machines need human intervention to perform tasks

(Case Study: human's input and nuclear nukes)

5. Conclusion

DATE: _/ _/ _

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Technological advancement has brought potential benefits as well as perils. History bears the witness that human has been working tirelessly to improve, mend, and stabilise his/her life. However, every new development has caused threats to humanity, prompting humans to curb the detrimental consequences. In contemporary world, human has to face burgeoning issues of advanced and sophisticated technologies, which contribute to breach of privacy, unethical growth, dependency, and addiction. Therefore, it is pertinent to say that human needs to control the technology to balance the growth of science with the human conscience. Considerably, technological manipulation, ineffectiveness during prolonged surgeries, and automation in the realms of weaponization are all the testaments of the fact that human must prevail the technology. However, some critics think otherwise. They believe that human capabilities and sense cannot be inculcated into machines. Therefore, human should first shun this traditional reactive approach towards new development.

Before expressing the details about the given topic, it is wise to decipher the context of the human spirit—a term being used to describe human agency—and technology—a broad term to describe the working and effectiveness of some machines. First, human spirit, which includes human brain, thoughts, and capabilities, must excel the growth of technology to ensure ethical and controlled development of the technologies. Second, simple forms of technology does not need any serious intervention of human. However, super-technology—including Artificial Intelligence, Generative tool, and the strong technology—requires a robust framework to control its misuse and restrict its automation, which can cause myriad of threats to human survival.

After a brief description of the human spirit and super-technology, it is important to describe the factors that prompt human prevalence over technology.

The growing industry of advanced technology has great potential to pose threats to human existence. The ability of modern technology to simulate human actions and thought process showcases that coming years will belong to technological dominance. Consequently, human faces grave threats of loss of creativity, excessive dependency, and technological smartness, highlighting human extinction. As Elon Musk has sent an open letter to the tech companies that proves the human vulnerabilities in the age of unbridled technological growth. This clearly demonstrates the fact that human can be under fire if they fail to control the technological smartness. Hence, human prevalence is the need of hour to ensure inclusive growth of technology.

Likewise, technological dominance has produced challenges for human creativity. It is one of the prominent features that separates a human from a machine. Today, technological advancement has brought innumerable tools and features that have the

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the ability to generate and create content, images, and portrayals—that human has taken years to learn—in a few seconds. As a result, human creativity ~~has~~ faces the threat of decline in the age of unstoppable technological growth. For instance, the generative AI in the ChatGPT and the Deepseek can create images and videos in seconds. It reveals that modern technology has surpassed its bounds. Hence, human intervention to curb the threats associated with the technology is imperative.

Today, automation and simulation have contracted the job opportunities for humans. As technologies help corporate and public sector to improve the efficiency and speed of their works, it has also contributed to lesser the job opportunities. Recently, millions of people around the world have lost their jobs on online platforms due to the Artificial Intelligence growth and potential to work smarter. For instance, the online platforms

DATE: _/ _/ _

Such as the Fiver and Upwork have integrated the AI-driven tool that has caused million of people to leave the platform. Such profound revelations prove that human control over technology is inevitable.

In a similar vein, unethical use of technology without human's ethical regulation has added to the biases and discrimination. The world has already dangling with deep-seated disparities that engulf the peaceful co-existence globally. Today, technological use has exacerbated the already grim situation. The campaign against the blacks, women, and muslims by using modern tools has proved the dangers associated with the technology. Yusal Noah Elavari asserts that in the age of information and technology human inequalities will not be bridged, but they will be compounded the already existing miseries of humanity. This profound statement underscores the importance of human control over unethical use of modern technology to safeguard humanity.

The human prevalence over technology is imperative, as excessive use causes addiction among the youth. Today, social platforms use AI-driven algorithms that collect data from human interactions and activities that help corporate sector to provide humans what they need in recommendation. As a result, youth has become overly dependent on technology to get entertainment and ease. As a result, developing states, especially, are losing their human assets. The newly appointed Pope has addressed the youth to educate them about technological dependency, which shows that technology has explicitly crossed the limits of its ethical use. Therefore, it can be asserted that human intervention over unethical use of technology has become pivotal.

Similarly, automation and decision-making features stand at the crossroads. The advanced technology has the ability to perform the due task without any external input once it has been added to it.

DATE: / /

they operate, act, and perform tasks independently. The inculcation of such sort of automation and independent decision-making feature in nuclear nukes can undermine peace and stability. For example, AI-empowered, automated drones have been used by Ukraine to target Russian base. This has remained a successful attack as AI-driven drones have escaped Russian radars. Such a case suggests that humans can face brutality of technological over-reach if they fail to maintain control over technology.

In a similar fashion, human intervention is required to minimize potential pitfalls technology can cause in the medical arena. Today, hospitals and medical world have fully embraced technology to perform various tasks in the medical fields. The AI-driven robots perform prolonged surgeries and diagnose diseases. However, without human intervention it can be proved detrimental for humanity. Therefore, human control on these automatic machines is

indispensable:

The manipulation of cyber space through the unethical use of technology also requires human intervention. The cyber space has become a breeding ground for the technological experiments. Today, people face cyber privacy breaches, harassment, and impersonification. As a result, people have to endure mental and psychological trauma. Today, the advanced technological growth has aggravated the situation. For instance, creation of deepfake videos and images are being used to threaten and harass people on social media. This situation clearly depicts that human control and authority over modern and sophisticated technology has become a moral imperative.

Furthermore, spread of fake and fabricated news and information has also demonstrated that technology must be under the control of human hands.

DATE: ___/___/___

States and non-states actors use advanced technology to disseminate misinformation among vulnerable communities to exploit their grievances. This can be done without even showcasing the real identity. For instance, during the May's confrontation between India and Pakistan has suggested that technologies have become a powerful tool to cause chaos and uncertainty. Therefore, this delineates that human must control the burgeoning technologies to mitigate the threats they pose to humanity.

The technological access to a few can exacerbate the inequality and gender disparity. Women have always been facing the consequences of new developments. As a result, they have remained at odd. Today, technological distribution has concentrated to a few individuals. This way, a gap widens between the haves and have not. As Rafia Zafar has aptly remarked that technological growth and its benefits are limited to a small group

DATE: ___/___/___

group of people that has widened a gap between two poles of society. This shows an unethical dilemma associated with the growth of technology, which requires sturdy and inclusive human intervention.

The excessive dependency on technological-driven transportation sector pose grave threats to human lives. Today, automation has become a key feature in modern cars, buses, and air planes. This has eased human efforts to manage the complex system while driving or riding. However, this has also contributed to accidents due to technical faults and errors. Therefore, human prevalence is necessary to avoid accidents. As AI-operated Tesla Truck has met an accident, proving the fragility of technology. Hence, to avoid abrupt accidents and related incidents, human control is crucial.

Now, presenting counter perspectives of critics to balance the discussion.

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DATE: ___/___/___

In contrary, some critics have lamented human prevalence over technology as a reaction to unnecessary developments. They are of opinion that humans have always showcased their vulnerabilities with every new invention or discovery. It is not the technology but humans that need a control. They argue that ethical regulations and laws must be there to streamline human behavior. As machines need inputs to initiate tasks, humans need to control themselves. This shows that human must know ethical use of technology through digital literacy. Similar reactive behavior humans demonstrated during industrial revolution.

Moreover, some critics argue that human control, authority, and intervention over technology is needed, but it is wise to admit technology requires the input to start working. If people mend their own ways, habits, and behavior, technologies will only improve the capacity and efficiency of humans. For instance, technology can increase intensity of a nuclear nuke, but it cannot start it to hit a target independently. Therefore,

DATE: ___/___/___

It is necessary to incorporate the digital knowledge and ethical guidelines to reap the benefits of modern technology.

In conclusive, modern, new technology has assisted humans to expand their efficiencies. However, today technological advancement has surpassed its bounds, causing grave threat to human survival. On one hand, it has unprecedentedly elevated living standard of people by providing immense benefits in the realms of medical, research, education, and space exploration. However, today, humans face detrimental issues due to an uncontrolled growth of technology. The cyber space has become so lethal for private life, medical world needs human inspection while dealing with technology, and automation requires some intervention to avoid unfortunate outcomes due to the error of technology. Although some argue that human fears

DATE: ___/___/___

are unnecessary. They need only to regulate themselves to avoid technological backlash. This all demonstrates that amid growing technological use, human needs to formalize robust, inclusive, and sustainable policies to streamline healthy and ethical use of the advanced technology. As it is popularly said that prevention is better than cure.

38/100