

People have started experiencing

Date _____

drawbacks of technology

Outline:

I) Introduction

People have started experiencing drawbacks of technology because it has challenged the moral values of human beings, requires specialised knowledge to cope up with the pace of technological innovations, and consistently working for long hours leading to physical and psychological issues.

II) Understanding technology and how is it negatively affecting ^{the} mankind.

III) Technology has made the lives of people easier: A contra perspective

A) Offering wide range of career options
(Gartner-2024: Technology integrated into 95% of sectors of the world)

B) Solving complex problems
(DataReportal-2023: AI models being used by more than 300 million people worldwide)

IV) People are experiencing drawbacks of technology because:

A) Challenged the moral values
(Deepfakes and misinformation: 2020 incidents)

B) Require specialised knowledge to meet the pace of technological innovations
(Professional knowledge specific to technology and its everyday use)

- C) Irregular and long working hours
(AIHS-2023: 65% of anxiety and depression cases are due to extensive working in front of screen)
- D) Rapidly evolving, demand latest development in technologies.
(McKinsey & Company-2023: 35% of businesses around the world have adopted technology)
- E) ~~Privacy~~ Increased vulnerability of data and privacy issues
(2018, Facebook data privacy scandal)
- F) Job outsourcing leading to job competition and wage stagnation
(World Bank-2023: 70% low wage workers of IT industries ~~are~~ are from South Asia and Southeast Asia)
- v) Suggested ways forward to use technology in a way that it proves to be beneficial for people:
- A) Improving educational system to raise awareness
 - B) Management of working life balance

vi) Conclusion

Rapid evolution of technology is leading to ~~negative~~ negatively impacting the people globally. It has imposed various challenges to mankind such as data vulnerability and privacy issues and job competition and wage stagnation

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Essay

"We are living in a time of exponential change. The challenge is not whether we should adopt AI or not; the challenge is how to do so ethically and wisely."
— Tim Cook

In 2023, a South Korean company named DeepBrain created a deeply emotional AI-based project that allowed a mother to meet her deceased daughter through virtual simulation. The project titled "I am Alive," utilised AI-powered deepfake technology to bring daughter's likeness, voice, and personality back to life based on data and memories the mother provided. The mother was then able to speak with AI-generated version of her daughter in real-time. The experiment shows the harm that technology can cause, especially in realm of emotional well-being, as it could blur the lines between reality and simulation. The technology has engulfed almost every aspect of everyday life. It has become a key part to run the routine matters of livelihood. Rise in technology has made people to experience the harms beyond their imaginations. At this point,

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one must think whether technology is bringing out ease in people's lives or causing harm? Is it possible to live without technology in today's world? Can technology be substituted? Well! Technological innovations have caused more harm than providing comfort. With regard to today's world, people have started experiencing drawbacks of technology because it has challenged the moral values of human beings, requires specialised knowledge to cope up with the pace of technological innovations, and consistently working for long hours leading to physical and psychological issues.

Technology is the set of machines that perform a task with minimum input of human being.

Technology encompasses almost every aspect of mankind, such as ease of travelling, complex business venture can be tackled easily, performing complex tasks with less manpower and in minimum time, and cost saving with effective outcomes. Besides, deep integration of technology it has imposed devastating affects over mankind. People have become overly dependent over technology. As per 2023 report of Markets and Markets (Indian

research and advisory company),
Use of technology in healthcare
projected to \$20 billion worldwide in
2023, and is expected to grow 32%
by 2030, reaching value of more than
\$100 billion globally. Not only that,
Cybersecurity - December, 2023 (cybercrime
magazine). illustrated global Information
Technology spending on cybersecurity
exceeded \$200 billion in first quarter
of 2024. Technology is affecting mankind
in numerous ways, such as it is
imposing ethical concerns regarding
privacy and personal data vulnerability,
rise in technology is leading to
job displacement, and it is getting
difficult for people to keep up the
required pace to meet technological
advancements.

In addition to that, there
is a school of thoughts that believe
that technology has made the lives
of people easier. Technology is
versatile in nature and it is providing
a wide of career options and
roles. Technology is allowing individuals
to choose from various specialisations
such as network administration, AI
based industries, digital business
platforms, advanced communication
companies, and so forth. Technology has
opened the doors to unlimited fields

leading to flourished and secure future. Gartner-2024 report argues that Technology has integrated into 95% of sectors of the world, paving the way to enhance comfort in everyday life. Hence, technological innovations is providing multiple job opportunities for people globally.

Likewise, advanced technology has made to solve complex problems in very easy manner. With the help of technology it is, comparatively, very easy to solve problems of complex nature. It helps to remove barriers like language understanding, image recognition, problems related to finance, securing database, exploring the world, and decision-making based on available data. As per DataReportal report-2023, latest technology like AI models are being used by more than 300 million people worldwide to overcome with issues related to multiple sectors with very less effort and short span of time. Such innovations have proved to solve complex tasks in much easy way.

On the other hand, technology is also imposing a lot of challenges to people. People have started experiencing drawbacks of

technology due to various reasons. Firstly, rise in technology has increased ethical concerns leading to challenge moral values of people. It has been experienced, a number of times, that technology has been used to breach privacy for personal gains. The available data on internet is vulnerable to hackers who can use it to fulfil their personal needs. In 2020, for example, latest technology that is AI was used to create deepfake videos and misinformation during US presidential elections to spread fake news, and videos to sway public opinion and manipulate votes against major candidates who were campaigning for President seat. Technology is challenging with regard to ethical and moral values.

Secondly, technological innovations had ~~been~~ dugged deep into everyday matters. Sharp rise in technology has posed a challenge of requirement of specialised knowledge to meet the pace of technological innovations. For instance, field of Artificial Intelligence (AI) require strong educational knowledge in multiple fields like Mathematics, Statistics, Computer Science and so on. Hence,

it is challenging to enter into the field of AI without strong educational background. Rise in technology and its proper use require professional knowledge specific to technology and its everyday use.

Thirdly, Technology has led to irregular and long working hours, without required breaks even on weekends. IT professionals experience consistent long working hours in irregular pattern to finish the requirements of the projects in given time period. As per American Institute of Health and Sciences (AIHS) report of 2023, 65% of patients suffering and facing anxiety and depression are due to extensive working hours in front of screen. Technology has made it difficult for people to spare time for themselves and families and made it a basic requirement to keep working for long hours without breaks.

Fourthly, rapid changes in technology is leading to rapidly evolving technology which demands latest development with respect to technologies. To meet the technological left it is necessary to fulfil the latest technological demands. McKinsey & company publish a report in 2023,

stated that 35% of the businesses around the world have adopted technology to perform routine tasks in 2023 and expected to reach up to 50% by 2025. Thus, technology is evolving rapidly and encircling every aspect of life.

Fifthly, one of the major points of concern is increased data vulnerability and privacy breach. Technology has forced all its users to provide all personal data to let them access it. As a result, data is uploaded in the cloud of internet and becomes vulnerable to hackers. For example, in 2018, Facebook was involved in a major data privacy scandal, where a political firm in England harvested personal data from millions of users for targeted political advertising. The incident marks how technology can be used to breach privacy and theft of ^{personal} data.

Sixthly, technological innovation has created a problem of job outsourcing leading to job competition and wage stagnation. Technological giants outsource jobs to different countries with lower labour cost to save money and increase profit rates. As per

World Bank report of 2023, 70% low wage workers of IT industry belong to South Asia and Southeast Asia. Hence, the issue of job outsourcing stands equal to both the natives of IT industries and labours hired from other countries.

Keeping in view the drawbacks of technology, there are several ways to use the technology that proves to be beneficial. Improving educational systems in countries which technology has not prevailed completely. Improved educational system would raise awareness among the future generations to tackle the challenges imposed by technology and use it in a way that it could be more beneficial than inflicting harm.

Furthermore, to cope up with the challenges of technology it is necessary to create work-life balance. Technology poses many challenges and it has become a basic need to move on with the innovations of technology. To minimise the issues posed by technology it is compulsory to stay in good mental health

conditions, for that it is necessary to manage work life balance.

To sum up, it is necessary to know the importance of technology and the challenges people are experiencing due to technological innovations before finding out ways to tackle it.

Technology has imposed many challenges over lives of people it includes concerns regarding moral and ethical values, higher and advanced knowledge to meet the technological innovations, and physical and mental health issues for IT professionals. Technology is evolving rapidly and has engulfed almost every part of life, the technological innovation has made mankind overly dependent over it. Rise in technology and increased

every day use of technology like internet has increased data vulnerability that can lead to breach of privacy leaving behind serious harm over masses. Rapid evolution of technology is leading to negatively impacting the people the people globally. Though technology has imposed multiple challenges for people to deal with but sincere and pragmatic efforts

can pave the way to overcome
the challenges.

"Technology is likely to be either
the best or worst thing to ever
happen to humanity."

- Stephen Hawking
