Topic: Technology's Role in the Modern World

Outline:

1- Introduction:
In the modern world, the role of technology has significantly increased in both aspects, positively and negatively.

2- Technology's Role in the Modern World:

2.1- Positive Role:
(A) Enhances flow of knowledge and information
(Example: AI Tools)(Example 2: Internet)

(B) Facilitates human-beings
(Example: Vaccinations of hazardous diseases)

(C) Forms connectivity across the globe
(Example: Social Media Tools, Mobile Phones)

(D) Provides tools for efficient policy-making
(Registration databases: NADRA in Pakistan)

2.2- Negative Role:
(A) Causes serious destructions
(Example: Weapons of mass destructions)

(B) Increases surveillance
(Example = Concept of capitalistic surveillance)

(C) Serves as a mean for cybercrimes
(Case in Point: Hacking)(Example: AI generated video)

(D) Deteriorates the sustainable environment- (Case in Point = damage to ozone layer)

3- Conclusion.

Essay:

Humanity has continuously evolved since its inception. Technology remains evidence to such development made in a short span of time. In the modern world, the role of technology has significantly increased in both aspects, positively and negatively. The positive role of technology in the modern world remains: enhanced flow of knowledge and information; formation of connectivity across the Globe; and provision of tools for policy-making. However, technology, in the modern world, has also contributed negatively such as it causes serious destructions, increases surveillance, and deteriorates the sustainable environment.

This essay deals with the positive role of technology in the modern world, and it also covers the negative role of technology in the modern world.

Starting with the positive role that technology plays in modern world, technology enhances flow of knowledge

and information in humanity.
The modern world remains a depiction
of how easily the information is
exchanged and grown in the human
beings. This is evident from usage of
AI tools for information that it
provides a well-researched information
about any given topic. Moreover, the
use of internet for gaining knowledge,
through various apps such as Google,
manifests the role of technology in
enhancing information and knowledge.

   Furthermore, the technology
has faciletated human-beings in the modern world.
Through historical analysis, it is
revealed that mankind is facilitated
by technological usage more than
ever. The invention of scientific
vaccines for diseases shows the
facilitation to human-beings in
the area of medicines. Furthermore,
it has also the robots also perform
difficult tasks for man from routine
tasks to professional tasks. Thus,
technology has contributed to the
convinence of mankind in the modern World.

   Apart from this, technology
also forms connectivity across
the Globe. Before technology, connectivity
remained an exhaustive task
because of the lengthy distance.

Technology has reduced this distance physically and virtually as well. Virtually speaking, in the near past, the notion of communicating distant people ~~rem~~ was an alien concept. The mobile phones clearly change this perception, and the connectivity is much more easier. Social Media also shares the current status of lives of people and provides all the updates of people. Hence, technology has increased connections across the Modern World through its tools.

On the state level, technology contributes by providing tools for efficient policy-making. The state, in this era, is an advanced entity. It uses the modern technology in all the policy-making areas such as education, health, construction, justice system etc. Preservation of record of citizens, through registry institutions such as NADRA in Pakistan, provides details to the state regarding population and demography. Through this, state makes effective policies for development of its citizens. Therefore, technology aids state in decisions of policy-making by supplying the needed tools.

However, along with the positive favours of technology on mankind, it has also some negative implications.

To discuss the negative role of technology in the modern world, the serious destructions caused by the usage of technology are worth-considering. Since the progress of technology, the destruction is a clearly observable phenomena. The atomic bombs used during the World War II shows the destruction of caused to humanity. In the modern world, the weapons of mass destructions are also made and used by certain states. Apart from such weapons, the weapons used during Wars are also the spoiled children of technology. The use of Bomb blasts used during the War in Gaza also highlights this sad reality. So, the serious destructions are also the result of technology.

In addition to the phenomena of destruction, through technology, surveillance has also increased across the world. States monitor the actions of other states and the citizens of their premises. This, in turn, has caused serious problems in international order such as spying in an alien

territory. At national level, it confines the citizen to certain limits or their respective code of conduct China remains prominent example in this scenario. Moreover, a new concept of 'surveillance capitalism' has also came into existence. Under this surveillance, market companies analyze the trends of product as per like or dislike of ~~the~~ consumers. For this, social media serves as tool. Hence, the technology enhances surveillance having negative impacts.

Likewise, technology serves as a mean to commit cyber-crimes. Through the use of technology, the cybercrimes such as hacking, takes place. Moreover, fake AI generated audios, videos, and other content has also became a routine practice. The tools to mitigate the impacts of such crimes are still not ~~presen~~ effectives properly, and the concerns for such cybercrimes still remain. Thereby, the role of technology in committing of cybercrimes can not be undermined.

Moving forward, the technology also contributes to the deterioration of the sustainable environment. In the modern

world, there is a contemporary issue of climate change. This issue has its root in the change of temperature in the environment of Earth. Problematic condition of ozone layer (O_3) also remains manifestation to the fact that environment has been damaged more than ever before.

This ozone layer's condition, as per scientific opinions, remains primarily because of higher release of harmful gases as methane, nitrogen etc. These gases are released from automobilies, refrigirators, Air-conditioners and other humann generated inventions. Hence, the technology ~~also~~ plays a significant role in causing harm to environment.

To conclude, technology's role in the modern world can not be undermined; which is also two faceted : ~~positive and neo~~ beneficial and harmful. The beneficial role can be observed in the area of policy-making at state level; ~~and~~ enhanced flow of knowledge with convinence across the Globe; and failitifation to mankind. The harmful role also remains clearly observable such as it has caused the issue

of environmental degradation; promoted surveillance; and caused serious destruction. However, it remains imperative to understand the significance of technology in Modern World and make the best use of its capabilities.