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**Impact of Environment on Agriculture, Health,
Water Resources, Social Life & Industrial
Development**

Chief Editor

Dr. R. V. Bhole

'Ravichandram' Survey No-101/1, Plot
No-23, Mundada Nagar, Jalgaon

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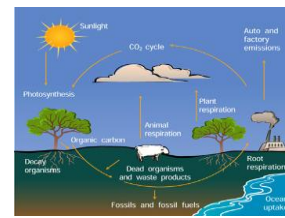
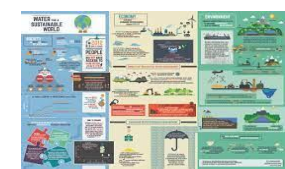
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Environmental Impact of Technology

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Abstract:

Technology helps human being to get result faster and make our lives easier and comfortable. There are lots of negative impact of technology on environment .Misuse of technology leads environmental pollution and damage our natural planet. Moreover it affect humane health and life. But there is some positive impact of technology also on environment. Now a day technology is use to save and protect our environment and planet. This paper explains the positive and negative impact of technology on environment.

Introduction:

Since two million years ago. Technology has been serving as a catalyst for positive global growth. Sustained technological advancement is essential for the development of our planet. History has shown that technology can have profound implications for our future. It is fundamentally changing the way we live, work, relates to one another and to external worked. Technology has helped us simplify our lives and make it more comfortable and luxurious. Also it assisted in fighting off the deadliest diseases, and solved the most complicated problems for us. Technology has profoundly shaped society, the economy and the environment. It opens the door for people to enter into a new world which is fully developed and well civilized .It is true that the most of invention caused sound, air, water and land pollution hence it was consider that technology is responsible for environmental pollution. But when scientists realize the negative impact of technology on the environment , they start thinking about environmental protection. Technology can play a crucial role in decoupling development and environmental degradation. Now the advent of new technology has the potential to transform environmental protection

Negative impact of technology on Environment-

The industrial revolution has brought about new technologies with immense power. Continuous industrialization and further technological advancement has succeeded in developed countries around the world. And impact of this technology on the environment has included the misuse and damage of our natural earth.

These technologies have damaged our environment in many ways

Air Pollution:

Air pollution occurs when excessive quantities of harmful gases such as carbon dioxide, carbon monoxide , sulfur dioxide and methane are release into the atmosphere. The main sources of emission of these harmful gases that related to technologies is industrial revolution such as the burning of fossil fuels, factories, power stations, mass agriculture and vehicles. The consequences of air pollution include green house effect, global warming, climate changes and negative health impacts for humans and animals.

Water Pollution -Water pollution is the contamination of water bodies such as lakes, rivers, oceans, and groundwater, usually due to human activities. Some of the most common water pollutants are domestic waste, industrial effluents. Due to excessive usage of insecticides and pesticides in agriculture water get polluted . This is very harmful for human health. The release of inadequately treated wastewater into natural water bodies can lead to degradation of aquatic ecosystems. Water pollution can caused diseases such as typhoid and cholera, eutrophication and the destruction of ecosystems which negatively affects the food chain.

Sound Pollution:

It is also true that so many inventions of science like high-tech machines, equipment industries are create sound pollution. Big factories and vehicles release toxic gases in air and make it polluted Integration of technologies in industries, factories and agriculture are responsible for noise pollution .The main sources of noise pollution are transportation system in urban areas, industrial noise, construction of building, highways and street. Industrial noise also adds to the already unfavorable state of noise pollution. Loud speakers, plumbing, boilers, generators, air conditioner and vacuum cleaners add to the existing noise pollution. These all resources are gift of technology. The most common cause of noise pollution on human health is noise induced hearing Loss (NIHL).

Land Pollution:

The plastics industries manufacture plastic made things which are widely use everywhere but these are not disposable and it cause land pollution. The rapid expansion of technology like IT equipment (including computer, laptop, mobile etc), household appliances(including washing machine, A.C. Refrigerator etc), consumer electronics and automatic dispensers ,results in the creation of a very large

amount of e-waste. Due to increasing global population, wastage of these equipments is also increasing. The world facing biggest problem is e-waste management. which gift of technology.

Depletion of natural resources:

Resource depletion is also a negative impact of technology on the environment. Humans can not create natural resources and they are either renewable or nonrenewable. Deforestation, mining of fossil fuel and minerals, contamination of natural resources, water usage, over consumption of resources and soil erosion are types of resource depletion. Advancement of technology is responsible for all these. Since the global population is increasing, levels of natural resource degradation are also increasing. Deforestation is very harmful to the environment because it results global warming, Depletion of the stratospheric ozone layer. Due to industrial revolution, large scale mineral and oil exploration has been increasing which causing more natural oil and mineral depletion. The exploitation of minerals has become easier because of advancement in technology.

Positive Impact of Technology on the Environment:

The technology and environment are thought to be on the opposite ends of the spectrum but humans are looking for ways to save the environment with technology. So, be it generating renewable, green energy or using sensors to monitor endangered species, smart technology, electric vehicle , technologies like AI and IoT are helping create a sustainable future.

Recycling of wastage –

The linear “Take, Make, Dispose” processes that characterize how goods, food, fresh water and energy are currently produced have caused major environmental, economic and social problems, such as climate change, resource scarcity, and pollution. There are so many industrial, domestic wastages like plastics, garbage, polluted water which make environment polluted. We can protect our environment by recycling of this wastage. As we all know that it became possible only due to technology and nowadays we all used recycled paper, cans, bottles, car components and even water. When a whole life-cycle assessment is made, recycling makes economic sense, reducing costs and maximizing production

Biotechnology:

Biotechnology can produce crops which are resistant to climate change. Sugar cane or corn crop waste is used to produce biofuels. This biofuel is an alternative to traditional fuels which is main cause of air pollution. Biofuel generated from the biomass of living organisms or their metabolic waste and hence biofuel production is a solution that facilitates the use of biotechnology for environmental purposes.

Renewable energy sources-

The usage of the renewable-energy sources will increase manifold with the improvement in the infrastructure. The sources such as solar and wind energy have already made their place across the world. The main reason behind the usage of these resources is the lesser effect on the environment and curbing the release of the toxic gases like Carbon Dioxide, Sulphur dioxide. Usage of renewable energy sources play a vital role in saving the environment. The increased usage of the renewable-energy resources will help in decreasing the unfavorable environmental impact. These sources of energy are clean and help in the reduction of the residual waste. This further helps in keeping the atmosphere green and drops the rate of carbon footprint.

Electric vehicles:

The environmental technology of the electric vehicle is propelled by one or more electric motors, using energy stored in rechargeable batteries. Electric vehicles demonstrate a positive impact of technology on the environment because they do not produce carbon emissions, which contribute towards the ‘greenhouse effect’ and leads to global warming.

Smart technology:

The technology of the internet further demonstrates a positive impact of technology on the environment due to the fact that social media can raise awareness of global issue and worldwide virtual laboratories can be created. Experts from different fields can remotely share their research, experience and ideas in order to come up with improved solutions. In addition, travel is reduced as meetings/communication between friends and families can be done virtually, which reduces pollution from transport emissions

Conclusion:

Technology is a byproduct of scientific process and it is human creation. Technology has both positive and negative impact on the environment. Excessive usage of technology can destroy our planet. But if we use it carefully and in appropriate manner then it is not harmful. Technology will be critical to saving the environment, reducing the impact of global warming, helping in adapting to climate change,

cleaning up polluted areas and taking care of our own health. So technology is neither good nor bad but neutral.

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