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DIGITAL SKILLS AND

RESEARCH METHODS

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INTRODUCTION

Today, technology has become one of the most prominent aspect in solving problems and situations which are harming the environment and the overall humanity (Hocking, 2017). The below report showcases the importance of technology in reducing the pollution. It has been seen important for the industries, the organizations thriving into it, the community and the people living into it to make use of technology in order to reduce the pollution. The report is going to make use of various data collection techniques and research methodologies in order to identify in what ways the technology can be used in order to reduce the pollution.

MAIN BODY

Usage of technology in solving issues of pollution

Technology has been seen as one of the easiest and the most appreciated methods in order to solve the issues related to global warming. In 21st century technology has remained the only hope which can help in solving environmental issues. The technological industry is one of the rapid growing industries in the world. The constant innovations and development of new advancements has allowed the technology to grow in terms of

achieving new heights and making things possible which are difficult to be done on a small scale. Recent technological developments have allowed the technology industry to transform the present global situation and it has also helped to solve issues such as pollution etc. The technology is used to identify at what places it is needed to install such techniques and systems that can reduce the occurring pollution.

As per the views of Devinny (2017), places such as Beijing, Sao Paulo, Paris, Manila, New Delhi and London are some of the largest cities in the world suffering from the issues of Air Pollution etc. As per the report of World Health Organization, in 2012, around seven million people found dead after being exposed to the air pollution. The air pollution is one of the largest and only environmental health risks. Its reduction can save lives of millions of people. In order to ensure this, it is important that essential technological developments are being made in order to ensure that the problems related to pollution is being solved.

According to Deshusses (2017), technologies such as CristalACTiV Titanium Dioxide is one of the several technologies which is used in order to curb the emissions of

pollutants during their combustion. Such technologies can help in reducing the emissions of pollutants in coal plants, and place where fuel is being burned on a large scale. As per the done researches it has been found out that Air pollution is one of the major pollutions in the category which is causing large damage to the environment. Technologies such as CristalACTiV can be proved as one of the best approaches to solve the problems of pollutant emissions. The technology makes use of selective catalytic reduction, utilizing ultra-fine titanium dioxide (TiO₂) which is used in form DeNox Catalyst. This reduces the chances of environmental damage and ensure a clean and green environment where it is installed.

Similarly, Webster (2017) states that the invention of technologies that are able to understand the rising pollution level in certain places can help the environment to become better and greener. *For example*, the United States has recently adopted Metric Detention Meters (also known as MDM's) which detect the pollution in the water bodies. It helps the country's water agencies to understand in how much polluted the water bodies are and as per these what effective measured needs to be undertaken in order to solve the issues of pollution. The

adoption of such systems has reduced the pollution in the country from 42% to 16% at minimum in the past 3 years (*Trade, technology and Air pollution*, 2017).

Such innovation in technology helps to reduce the issues of pollution on large levels and ensure that the environment is clean and safe across the globe. It also allows the country's to be more safe and secure. The development of such system is one of the major requirements of today, in order to ensure that pollution is being reduced across all places.

According to the views of Qu (2016), pollution is one of the major concerns which is surrounding the world and is making today's world suffer. In order to solve the pollution related issues digital technology can be made use of as well. People which make use of computers, cellphones and laptops needs can be provided with the necessary information and techniques in order to reduce the pollution. *For example*, the companies which are leading in the technological fields such as Apple, Google, Samsung etc. can develop apps and websites which can increase the awareness of pollution between their users. The present data and the environmental threats can be showed with the help of a variety of graphics, presentations,

films, videos etc. to the people which are making use of the digital technology.

Solving the issue of pollution from sustainability and technology

These efforts can help the technology to ensure that the problems related to pollution are being solved. One of the most important aspect which is required to solve the problems includes sustainability. Sustainability is one of the most important requirements in order to solve the issues of pollution. If organizations and countries across the world makes use of appropriate technology in order to solve the issues of pollution and adopt sustainable approaches, it can create a positive impact on the society and would help to solve issues of pollution.

As per the views of Qu (2017), today, technology has become advanced that it is allowing industries and the organizations thriving into it to ensure a better and sustainable approach. Sustainability is one of the core requirements in order to solve the issues related to pollution. Also, it transforms the present needs to be in such order that it is not disturbing the needs of the future generation. In order to ensure better sustainability, the required technology needs to be installed by the organization which can help in ensuring better growth and

development of the society. Technologies such as installations of water purifying systems, and systems which can evaluate how much pollution is being thrown up by the people can help in reduction of pollution on large levels. Along with it, it can ensure that pollution is not reoccurring.

According to the study of Meng (2017), since its arrival the most important technological developments are done in solar, wind, and hydro-electrical powers. The solar power and the technology which is used within it helps the environment to be cleaner and greener by using solar energies. Solar energy is one of the most effective ways which are used today across different places and countries. This type of energy ensures that the energy which is being produced is safe and not causing any damage to the environment. The wind turbines use the technologies from which the energy that is generated from wind is transformed into electrical energy. This is the one of the safest approaches in making the environment clean and green. Adoption of technology in terms of both the solar power and wind energy will allow our place to reach new level of development and ensure that desired growth and development is being achieved in terms of solving the issues of pollution.

Approach to build technologies as per the requirements of present pollutants

According to the views of Zaman (2017), technology is also helping the businesses and organizations to monitor the environment successfully. It is one of the core requirements to monitor the surroundings in order to reduce the pollution and ensure better green and clean environment. In order to do this a variety of technological developments are brought into place which includes the pollution monitoring software's also known as PMS. This software is made to observe the pollutants and their effect in the particular area or the environment. The organization's and businesses can make use this software in order to ensure that the areas in which they are residing are safe and secure.

Pollution is one of the biggest issues that is being faced by the world. The technology which is used in the modern world can be made to evaluate the places where pollutions is taking place. *For example*, the systems can be built to evaluate at what places air pollution is taking place within a particular community, society, and country. This can help the particular, country, and society in order to take effective measures and

making use of better practices in that area to ensure that the environment is clean and pollution free.

As per the views of Craig (2016), today technology has gone far and most of the gadgets and equipment have become waterproof. It has allowed the scientific research organizations to make use of such equipment freely in the water and measure the pollution level of water. It has allowed the scientists to evaluate what are the major changes and requirements are happening in the water bodies across the world. It has been seen that plastic is one of the major pollutants which is making the water bodies and the animals living into it suffer.

In order to solve such problems, organizations' and people across the world are making use of a variety of developments and growth aspects in order to ensure a better aqua life and reducing the pollution in water bodies. The technology has allowed the scientists to understand what are those major things which are affecting the water bodies. Also, the modern scientists are developing such technologies which can help the water to be cleaner and pollutant free.

This explains that the technology is helping a lot in order to create an environment which pollution free. In a survey of 1500

people in China, when asked how many of them believe that from the usage of better filtering systems now they are receiving the clean water. 70% of them were highly agreed and accepted that technology has played a major role in providing them with water which is clean and safe to drink (*The intersection of pollution and technology*, 2015).

Noise pollution is another major pollution which is making the population suffer. In order to resolve the problem of noise pollutions technology has started playing a major role. Modern scientists are improving systems which are noise free and do not cause much harm to the environment. The main reason behind the noise pollution in our society today is vehicles. Vehicles tends to make a lot of noises and the people which live near the roads and highways tends to suffer a lot when these vehicles pass from their homes. In order to reduce the situation of noise pollution it has become important for the scientists to develop such systems which can produce noise free vehicles. Car manufacturers across the world are making use of technologies in order to reduce the noise pollution and air pollution which are caused by their cars. The technology is helping them in building such cars and vehicles which makes use of electric energy and

does not products and noise and causes air pollution as well. This approach has also helped the organizations' in developing themselves as per the existing needs of the society and to ensure that their products and services are pollution free and causing no harm to the environment.

These all aspects if taken care well are going to provide our earth with an environment which is pollution free and safe. Also, the upcoming generations will be able to enjoy the nature and the gifts which have been provided to us by our ancestors (*Trade, technology and air pollution*, 2016).

CONCLUSION

The above report explores the importance of technology in solving the issues of pollution which our world is facing today. A variety of application and technological developments are explored in the reports. As per the done explorations, it has been concluded that it is important for us and modern scientists to make use of effective measures in order to ensure that desired growth and development is taking place within the society in order to reduce the pollution. Along with it, the report provides details analysis on the pollution and what are the major reasons it is a global threat to our world.

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