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Topic: Artificial Intelligence can be the saviour of human race.

① Introduction:

While the loopholes in Artificial Intelligence can not be overlooked, the use of this technology can revolutionise the world by offering productivity in businesses, better agricultural and proactive measures to mitigate the impacts of natural disasters.

② The Basic idea of Artificial Intelligence

③ Evolution of Artificial Intelligence

④ Artificial Intelligence can aid human race in the following ways. i.e.,

- i) It can automate traditional and administrative jobs in businesses.
- ii) It can enhance the agricultural yield by providing precise solutions.
- iii) It can play its role in mitigating the losses happens in during natural disasters.
- iv) It can save the human loss by offering accessibility to hazardous locations.
- v) It can help the medical field in research and complex surgeries.
- vi) AI can increase the productivity and efficiency of its employees.

⑤ The unrestricted use of Artificial Intelligence can be a catastrophe for the human race. ~~That is,~~

- i) The loss of creativity in students and researchers.

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- ii) Malfunctioning of AI software can have multi-pronged consequences
- iii) Machines would take away the need of humans for performing certain jobs.
- iv) Virtual ^{AI} Partners would widen the prospects of loneliness.

⑥ Conclusion

Suggest recommendations as well

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The unprecedented advancement in technology has taken the whole world by storm. Technology and its use is no longer an alien concept. It has entrenched in our lives. Starting from personal life to professional life, technology is being used in one way or the other. The dawn of 21st century has offered a new level of advancement in technology in the form of Artificial Intelligence. Everywhere, in the family discussion and on news channels, the use of Artificial Intelligence has become one of the hot topics. While, the loopholes in Artificial Intelligence can not be overlooked, the use of this technology can revolutionise the world by offering productivity in businesses, better agricultural yield and proactive measures to mitigate the impacts of natural disasters.

By discussing the different ways through which Artificial Intelligence can help the human race, it is mandatory to grasp the basic idea of this technology. Artificial Intelligence, in simple words, is a human like intelligence. These are, actually, softwares which are trained by passing them over thousands of data resources to make them equip with the abilities to help humans. With each passing day, new inventions are being made in this technology, enriching its use in our daily lives. AI is could be called a copy machine or an actor that endeavours to

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copy the way human think and responds. It is trained to do conversation with another human in a same way as if that user person happens to be talking with another human.

Artificial Intelligence is not that old concept. The first robotic machine was made by Japan in 1970. In the subsequent years, research on this technology was done. However, in the 21st century, several countries in the developed world started to work on this technology. The manufacturing of robotic machines in the factories, and then robotic softwares that play the role of human in resolving the posted queries on online platforms like Google, Facebook, Instagram. Nowadays, the highly debated software ChatGPT by OpenAI is the latest version of Artificial Intelligence. This software is too quick and prompt to be called a machine or software. It, within seconds, answers queries, starting from simple questions to complex problems related to the field of medical and finance. Hence, Artificial Intelligence has developed in recent years and is continuously advancing itself.

The use of this nascent technology has become widespread. This continuous acceptance of AI in demands an exploration of its abilities through which it can help the human race.

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In some industries, Artificial Intelligence has already started giving its service. Such industries like manufacturing industries are using robots for repetitive jobs. However this technology can aid all kind of businesses to get rid of administrative jobs and start focusing on the creativity and innovation. For example, Amazon, a multi-billion tech company, has started using robots in some of its warehouses located in California, United States. These robots help human workers in packaging the products. Hence, it saves their time by taking help from such robots. It is a positive endeavour in a sense that it will enhance the productivity of the organisation, and they would be able to ensure on-time delivery of services to the customers. Therefore, the use of Artificial Intelligence can take the businesses to next level by applying this advancement in the right direction.

Industrial Revolution has opened-up new gateways to protect the human lives. Technology, research and development has increased the average life of a person by offering protection from diseases, especially, which was not available before. However, the burgeoning human population also demands resources for its living. For instance, the agricultural products which are required by every human also needs to be increased in their productivity. Better agricultural yield has become a new challenge for the farmers and growers. In this aspect, At

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can play its vital role in ensuring food security by enhancing agricultural yield multi-folds. For instance, Inter-Governmental Organisation for Development is using Artificial Intelligence for impact-forecasting in eastern Africa. It is done, so that to ensure food security, ^{better} livelihoods of people dependent on agricultural sector. Moreover, it can also analyze the chemical composition of soil samples to determine the nutrients lacking in that soil. It can predict the diseases impacting the agricultural yield. Therefore, it is mandatory to use this technology which can play its role in ensuring food security through better agricultural yield.

Another area where AI can be of huge significance is the mitigating the impacts of natural disasters. At the moment, different parts of world are experiencing different disasters like floods, Tsunami and earthquakes. In this regard, Artificial Intelligence can help by giving early warning signals. Japan which is home to frequent earthquakes, has installed six early intell warning technologies. These technologies help in pro-active measures taken before the happening of earthquake. Unfortunately, climate change, an existential threat, has terrorised the global community. In this regard, AI predictive technologies can play a significant role in saving the human lives and by suggesting new ways of coping with such disasters happen due to

climate change.

Furthermore, Artificial Intelligence can help in exploration of hazardous sites. For instance, robotic machines equipped with modern facilities and training can go deep inside the sea to explore the sea bed. Similarly, if properly prepared, such robots can help the humans in ~~mining~~ coal mining. Every now and then, we hear of the loss of human lives in such endeavours. As per the recent news, more than 10 ten workers lost their lives due to the collapse of mining well. This is just one example. On other occasions, people go deep inside the sea to see the remainings of shipwrecks. Instead of them going there, robots can perform this task by filming the inside of the sea. Therefore, Artificial Intelligence can save vital human lives by attaining access to hazardous and perilous sites.

Undoubtedly, Artificial Intelligence has already started serving the medical field. However, this is just the tip of the ice-berg. Artificial Intelligence technology can revolutionise the medical field by conducting research^{on} and analysis of the current day of diseases. For instance, cancer and ~~ph~~ pandemic like Covid-19 frighten the humanity. In this regard, AI softwares can do detailed analyses of the symptoms and can come with the exploration of cure. Robb Furthermore, Robotic surgery has become a common practice.

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Robots perform such surgeries with precise precision and accuracy. Humans are emotional, and circumstances in their personal lives can impact the surgeries. On the other hand, robots doctors can focus on the problem and get it done timely. Therefore, it is mandatory that research and development should be conducted for ensuring further use of Artificial Intelligence.

Last but not the least, AI can take the productivity of employees to the next level. This is because, if they have to do manual research on the internet by reading the hundreds of research papers just for solution, AI can give the required solution within seconds. Resultantly, they are more active and offer efficiency in their work. Similarly, humans' energy level is not same, everyday. Thus, robotic machines and assistants can help the employees when their help is required. As mentioned above, Amazon has started using robots for repetitive tasks. Thus, if other companies and organisations start using AI, it can take the efficiency and productivity of the overall organisation to unprecedented levels. Thus, organisations should conduct research to explore avenues where Artificial Intelligence can help workers and employees to do tasks efficiently by saving their time.

The significance of Artificial Intelligence is manifold. However, there exists other school of

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thought fearing the negative consequences of Artificial Intelligence if left unchecked.

Experts and academic researchers are of the view of Artificial Intelligence takes away the spark of hardwork from students, who prepare for their exams and research work. They argue, that Artificial Intelligence tools like chatGPT is a short-cut to a hard path. This will close the and negatively impact the creative thinking of students. They will get easily available information by not using their creative faculties. Similarly, to students or those teachers who have to publish research papers, would not have to work hard by reading the data and manually typing the research paper. Tools like chatGPT and by OpenAI and Bard by Google prepares complete research paper by taking data from already available resources. However, it is overlooked that everything thing has positives and negatives. There should be a legislation to ensure that such tools guarantee the lack of access to such unethical endeavours. Blaming technology for human weaknesses is not solution to the problem.

It is also argued that AI robots are being used in the manufacturing sector and medical field, during surgeries. It is true to some extent that Artificial Intelligence, after all, is a machine. There is always

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a chance of its malfunction and disrupting its services in-between the manufacturing and its operations. Due to this argument, completely dislodging the use of AI in these fields is not a rational thinking. It should not be remembered that it is Artificial Intelligence performing those surgeries and in those areas where availability of doctors is scarce. In developing countries, especially, they can assist the doctor in carrying out the surgery. Hence, the doctor would have time to oversee other emergency cases. Hence, it would not be naive to think of the negative consequences of AI.

In the same fashion, it is feared that Artificial Intelligence would replace the need of humans in certain jobs like in customer support jobs, repetitive tasks in mass production. It is true that it may impact that portion of jobs. However, the efficiency and productivity that which Artificial Intelligence brings is way significant that those jobs. As per the research, employees get bored of performing one task the whole day. That's why one of the functions of HR professionals is to ensure job rotation of employees. This keep on increasing their level of motivation. Hence, giving those simple tasks to human would be the loss of their abilities and the wastage of organizational resources.

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If robots start performing those jobs, organisations would have time to train the employees, those who were performing the jobs which are being performed by robots, for complex jobs. According to Jack Ma, the founder of Alibaba, Artificial Intelligence would not replace jobs but it will create new jobs.

It is also alleged that Artificial Intelligence would widen the gap between human. Some of the new developments like AI girlfriend, virtual partner, mimic exactly like a human partner. Hence, it is argued that communication gap between humans would further enhance. People would resort to fulfill their emotional needs of the virtual machine girlfriend. Unfortunately, it is forgotten that people resort to such platforms and softwares when they are neglected in the actual life. Humans need human. Therefore, awareness campaigns should be in place to bring human closer to one another. Of course, there should regulations on the development of Artificial Intelligence. In this endeavour, last year in June first international AI safety summit was conducted in Britain. Safety of AI should be ensured so that people extract multiple benefits for their prosperity and well-being.

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By concluding the whole discussion, it is proved that Artificial Intelligence can be the saviour of the human race if developed properly. It can take the world to the new levels of developments and innovation by catering to the modern problems like climate change, food insecurity, ^{lack of} productivity and innovation in business. Similarly, the surgeries which take hours and in some cases ~~two~~ ^{few} days could be performed by Artificial Intelligence. People Doctors would be well-off by channelling some jobs to this modern technology. Population growth and its increasing demands, especially for agricultural products could be fulfilled by improving agricultural produce. Unprecedented diseases like AIDS, Covid-19 pandemic could solution could be discovered by seeking help of this advance form of technology. In short, technology, especially Artificial Intelligence, can open up new avenues of development and prosperity with proper check on its ^{continuous} development.