

# **ARTIFICIAL INTELLIGENCE - A HIDDEN THREAT TO HUMAN HEALTH**

## **ABSTRACT**

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Now-a-days due to the immense success in Technological development, people are getting more dependent on A.I which has led to negligible activity or work carried on by Human, and is untimely leading to loss of jobs as well as it is becoming one of the main reasons for the Physical and Mental Health issues. This research project will specifically deals with various aspects about *“How the emergence of A.I technology is leading to job loss and increase in Physical and Mental health issues”*, which will include meaning and scope of the topic underlined with various sub topics that include impact of various emerging Artificial Intelligence driven gadgets on daily routine of an individual and how A.I is leading to change in the scenario around the Globe however, main focus will be specifically on Indian Population. Health of the individual is a basic human right and the protection of individuals is, accordingly, a fundamental obligation of Government. This project will attempt to make a comprehensive study on the debatable topic that how A.I technology is a Hidden and indirect Threat to Human Health, will also throw some light on the various judicial interpretation with regards to Artificial intelligence, how world has formulated the present understanding about the emergence of Artificial Intelligence and what are the loop holes which we need to fill to protect Life of human beings adverse of the artificial Intelligence.

With an aid of the relevant literature, scholarly articles and case studies pertinent to the topic of the research project, an in-depth understanding shall be cultivated. Any, conclusion arrived at shall be further by applicable case studies, as the interpretation of various international organizations is also very essential to better understand the laws in play. The relevant facts and figures shall also give weight-age for the better understanding about this socio-legal nuisance. This research project is a mixed research project, with suggestions from author’s side and also includes the doctrinal and empirical research methodology on the given topic.

**Key words:** Physical health, Threat to Jobs, Mental Health, Artificial Intelligence, International organization

# **ARTIFICIAL INTELLIGENCE- HIDDEN THREAT TO HUMAN HEALTH**

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## **BACKGROUND – EMERGENCE OF ARTIFICIAL INTELLIGENCE**

*“Artificial Intelligence could become an immortal dictator from which we would never escape<sup>1</sup>”*

-Elon Musk

Gone were the times when people used to claim that in 21<sup>st</sup> century human will develop in the field of Artificial Intelligence to such an extent where they will have Flying cars and detachable/movable homes. To not to our surprise that utopian idea has turned into reality as the human race is at the verge of achieving that dream. From Siri to Tesla; from Netflix and chill to whatsapp messaging, artificial intelligence has progressed rapidly and covered all aspects of human life with science and algorithm work. Due to the rampant growth in the field of algorithm and science, we can now divide artificial intelligence into two major categories that is, *Narrow AI* which is also known as weak A.I and *Broad A.I* which is known as General A.I. as the name specifies the narrow A.I,<sup>2</sup> generally includes machines and technology which are designed to perform some very minute tasks like driverless driving, facial recognition, fingerprint scanner and so on ; on the other hand the general A.I, includes tasks like solving mathematic equations, playing games and so on. Thus from this we can deduce that narrow A.I is far more developed and outperforming the general AI<sup>3</sup>.

## **HISTORICAL DEVELOPMENT OF ARTIFICIAL INTELLIGENCE**

Artificial intelligence is not a utopian idea, as according to various manuscripts which belongs to ancient times explicitly revealed that several jurists and scientists were ardent about various

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<sup>1</sup> Peter Holley, *Elon Musk Nightmarish Warning: AI could become ‘an immortal dictator from which we would never escape’* THE WASHINGTON POST,(Nov 23<sup>rd</sup>, 2020) <https://www.washingtonpost.com/news/innovations/wp/2018/04/06/elon-musks-nightmarish-warning-ai-could-become-an-immortal-dictator-from-which-we-would-never-escape/>

<sup>2</sup> Max Tegmark, *Benefit and Risk of Artificial Intelligence*, FUTURE OF LIFE INSTITUTE,(Oct 22nd ,2020) <https://futureoflife.org/background/benefits-risks-of-artificial-intelligence/?cn-reloaded>

<sup>3</sup> Stuart Russell, *Is Artificial Intelligence Dangerous*, DATA FLAIR TRAINING, (Oct 20th, 2020) <https://data-flair.training/blogs/is-ai-dangerous/>

inventions for the mankind and hence, if we need to trace the origin of Artificial intelligence, we need to go through the chronology of 17<sup>th</sup> and 18<sup>th</sup> century from where a boom was seen and one of the most important development of that time was Industrial Revolution<sup>4</sup>. However, the major contribution in the field of Artificial Intelligence was first seen in 1956.

Although, artificial intelligence was at a boom of development and invention in the field of AI were at a very rapid and a progressive face, it was as late as 1950's , when the term Artificial Intelligence came into knowledge and the person who pioneered the term was "John McCarthy "along with his colleagues Alan turning, Allen Newell<sup>5</sup>. It was 1974, when a strong wave of computer related products, job opportunities came into existence and that was because of the main reason that the computer products became more affordable and a need for better profit output in a business<sup>6</sup>. However it is not absolutely correct to affirm that all the inventions related to A.I always proved to be successful and useful for mankind as, there were many failed attempts with regards to the expansion of business in a fully A.I equipped organization also there was a great set back with regards to the algorithmic equations related to A.I. but 21<sup>st</sup> century turned out to be a very impactful century, for A.I related development as, we saw various unusual and innovative designs, innovation which further eased the stress on human beings in various filed<sup>7</sup>.

Although, there is no denial to the fact that there are many positive side and impact of Artificial Intelligence and it indeed proved to be one of the successful and essential invention of all times for human beings in all walk of life but still, one of the most distressing part of A.I universe which most of the people ignore is that the eminent personality from A.I world like: "*Stephen Hawking, Elon Musk, Bill Gates*" have time to time expressed their concern over the risk which could be posed by Artificial Intelligence on human life<sup>8</sup>. And all these headlines from eminent personality raise serious contentions that – Is the Future World equipped with A.I technology is in safe hands? From a personal observation and follow up with recent trends it is very distressing that since 2012, there has been a steady increase in the Cyber Crime, fraud which has raised

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<sup>4</sup> Stuart Russell, History of A.I – past, Present and Future, DATA FLAIR TRAINING, (Oct 20th, 2020) <https://data-flair.training/blogs/is-ai-dangerous/>

<sup>5</sup> Ulrike Franke, *Harnessing Artificial Intelligence*, 3(European Council Of Foreign Relation, 2019)

<sup>6</sup> Stuart Russell, History of A.I – past, Present and Future, DATA FLAIR TRAINING, (Oct 20th, 2020) <https://data-flair.training/blogs/is-ai-dangerous/>

<sup>7</sup> 322 Giovanni Vannucci, *Artificial Intelligence Disappoints*, 1463-1464 (Jennifer Sills, American Association of Advancement of Science,2008)

<sup>8</sup> Ibid

concern of Privacy of an Individual around the globe. One of the recent examples is the hacking of Twitter accounts of world's most influential personality like- Barak Obama, Elon Musk, Donald Trump to name few<sup>9</sup>. Although, many steps were taken by various organizations like: UN, EU still there is a persistent increase in privacy breach to great extent. Not only this, one of the debated issue since, the emergence of A.I is the rapid loss in Job opportunities around the world specifically jobs which involves unskilled/ labor intensive work and the most horrific impact of A.I in job loss is seen in Third world or underdeveloped countries. Various committees and sub organization of United Nations such as ILO are working toward welfare of the people around the globe.

## **INDIA'S STAND OVER THE SHIFT GROWTH OF ARTIFICIAL INTELLIGENCE**

Shifting the concern Domestically, Indian law makers were well aware of the privacy concerns of its citizen hence, we can find Right to personal liberality under Article 19. Also, through recent judgment by Apex Court on the privacy issue of citizens in the case of *Puttaswamy v. UOI*<sup>10</sup> led to the inclusion of Privacy under the domain of Right To Life under Article 21 of the constitution, which indeed known as a Mini Constitution. Another, leading step taken by government of India with respect to the privacy concern violated by newly emerged A.I mechanic algorithm was banning of more than 100 Chinese applications which included some well celebrated apps like: Cam Scanner; Pub-G; Tik-Tok, under Section- 69-A of Information Technology Act<sup>11</sup>.

Also, now there is a rat-race in the field of Artificial Intelligence, as each country wants to showcase its hegemony over other countries in the world through the means of A.I thus, due to this there is an increase in dumping of applications in virtual world. And according to the recent survey, soon China will overtake USA and will become 2<sup>nd</sup> most country in A.I production<sup>12</sup>. Thus, we can see that where on one hand, Artificial intelligence is emerging as an assistant to mankind, but on the other hand it is posing indirect threat to the existence of humans. Many

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<sup>9</sup> Ulrike Franke, *Harnessing Artificial Intelligence*, 3(European Council Of Foreign Relation, 2019)

<sup>10</sup> Justice K.S Puttaswamy v. UOI AIR 2017,10 SCC 1

<sup>11</sup> Section-69 A, Information Technology Act, 1961

<sup>12</sup> Ibid

renowned cinematographers have depicted the harm which could be caused by A.I to world if it got into wrong hands in the most realistic frictional way. As, **Stephen Hawking** stated “*rise of robots may be disastrous for mankind*”<sup>13</sup>”

## **ENCROCHMENT OF ARTIFICIAL INTELLIGENCE IN HUMAN LIFE**

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‘*Gone were the times when we used to wake up, to birds chirping and to have sight of rising sun; however, now the stay up late schedule to opening of eye to the sound of whatsapp message has surely made everyone wonder, this is how we wanted our lives to be.*’<sup>14</sup> With the advent of technology and artificial intelligence, it has indeed enrolled a new dimension to the health treatment facility and it turned out to be really useful development for Mental Health treatment. As now people can easily discuss about their mental health through mobile phone, engaging themselves with applications which provides them great insight about mental health which in general, is considered as a stigma if somebody claims that he/she is suffering from any sought o mental breakdown.<sup>15</sup> A.I has provided a single leveled platform to the doctors, researchers and the general public general public where they can easily access each other, understand the meaning of mental well being without getting into physical contact with each other. In recent years we have seen that mobile mental health support facilities has been availed by various people around the globe as it is simple to contact a psychologist and to discuss the problem without any face to face interaction.<sup>16</sup> To give an illustration- anyone who has a Smartphone can download an application from where they can send a text message to the psychologist of their choice, as the app provides the user with numerous options of doctors to choose from. However we cannot swayed away from the fact that every service is prescribed with certain cautions and in this type of technologically health treatment a person is unknowingly but willingly is giving away a lot of information not only about their health but also their legally private concerns which could be used against them by any hacker and let them to destruction.

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<sup>13</sup> Timothy J. Legg, Negative effects of Technology: what you need to know, MEDICAL NEWS TODAY, (Feb 25th, 2020) <https://www.medicalnewstoday.com/articles/negative-effects-of-technology>

<sup>14</sup> Artificial Intelligence and Future of Mental Health Treatment, NATIONAL INSTITUTE OF MENTAL HEALTH, (Nov 20th 2020) <https://www.nimh.nih.gov>

<sup>15</sup> 322 Giovanni Vannucci, Artificial Intelligence Disappoints, 1463-1464 (Jennifer Sills, American Association of Advancement of Science,2008)

<sup>16</sup> Ibid

This new era of mental health treatment has indeed offered various opportunities to not only to the doctors but also to the general public. However it has simultaneously raced numerous concerns regarding the authenticity of the reports and symptoms describes by the patient as some times it is difficult to describe the bodily condition into words, this situation leads us to our major question and concern about the relevancy and effectiveness of AI in health care domain.

The A.I has posed a major threat on the overall living of an individual, which can be easily observed through the recent trends which depicts that there has been a steady downfall in the face-to-face and physical interaction of people around the world, as now people generally prefer A.I method of interactions rather than physical interactions; one of the reason behind such drastic change in behavior is that it is convenient and saves a lot of time and energy. But, we often forget that for a healthy existence we need constant interaction and thus, this behavioral change has led to the emergence of many health related issues around the globe which majorly includes adolescents<sup>17</sup>. Another distressing observation about artificial intelligence is that it is hindering the involvement of people in physical activity, as most of us are surrounded with gadgets and artificial virtual world which is posing a great health concern as there is negligible amount of work in which human is engaged in.

A sudden boom in the field of artificial Intelligence left no time with us to understand the implications of Artificial Intelligence and related technology on our daily living as well as on our health. Because of the lack of awareness and caution people around the globe are getting more rest-less, and also showing severe symptoms of anxiety<sup>18</sup>. Some of the major impact of Artificial intelligence on human can be divided into two: Psychological effect and other is Physical health effects which are described as following:

**PSYCHOLOGICAL EFFECT:** Due to the over dependency over technology and lack of caution people around the globe are facing similar issues related to mental health as, A.I has tremendously increased restlessness and anxiety amongst all. Few of the reasons which lead to the overpowering of A.I on individuals' mind are as following:

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<sup>17</sup> Max Tegmark, Benefit and Risk of Artificial Intelligence, FUTURE OF LIFE INSTITUTE,(Oct 22nd ,2020) <https://futureoflife.org/background/benefits-risks-of-artificial-intelligence/?cn-reloaded>

<sup>18</sup> Supra Note. 15

- a) Willful Isolation: Even though people claim that technology has shortened the distance between people but in reality, it has made an individual get into a shell, where a person socially isolate oneself because of the overpowering nature of social media over social life and a person tend to fall into the pits of anxiety, self consciousness which ultimately leads to depression<sup>19</sup>.
- b) ADHD- Attention- Deficit Hyperactivity Disorder: This disorder is very much prevalent in children basically who are falling under the age group of 6 to 15 years. One of the major reasons behind the steady increase in the cases of ADHD amongst children is the unregulated Screen exposure hours, viewing small time span of videos rather than spending time in understanding concepts through books.<sup>20</sup> Hence, this reduces Childs attention span, makes them restless, they generally lose interest in things which are of long time span, have a major anger management issue. Hence, it is important to take full precautions from the very young age as these symptoms accelerate with age and such people tend to indulge in illegal activities and habit which could give them an instant pleasure.

**PHYSICAL EFFECT:** one of the major difference between psychological Effect and Physical effect is that it is really easy to detect physical abnormality in an individual than a psychological issue as, it directly makes an impact on the viewers mind however, it is difficult to distinguish that weather an individual is having a bad day or is suffering from some kind of psychological problem. In recent past, many researches proved and cautioned people about Physical deformation due to excess of exposure, few of those health related issues are:

- a) Fallacious Body Posture: the increase in the time spent on mobile phones, computers, and machines has led to the distortion in the body posture of an individual. From various researchers and doctors have time to time recommended and asked people to maintain a limited time exposure to screens and other machines which could led to the destruction in the body posture, also they have emphasized

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<sup>19</sup> Artificial Intelligence and Future of Mental Health Treatment, NATIONAL INSTITUTE OF MENTAL HEALTH, (Nov 20th 2020) <https://www.nimh.nih.gov>

<sup>20</sup> Timothy J. Legg, Negative effects of Technology: what you need to know, MEDICAL NEWS TODAY, (Feb 25th, 2020) <https://www.medicalnewstoday.com/articles/negative-effects-of-technology>

over the sitting antiquates to restrict the impact on human body<sup>21</sup>. One of the majorly seen fallacious in posture is hunched back that is developed when a person constantly sit in a position where the spinal cord is bent forward and is not straight in its original position for a long time. Hence, this problem leads to other major medical issues like weakness in neck and back region, sourness of muscles and tension between veins which could lead to heart problems.

- b) Asthenopia: It is also commonly known as eye strain, the major symptoms to be seen in eyes straining is blurring of vision and dry eyes. Through many researches it has been proved that constant exposure to screen leads to dryness of eyes which ultimately causes headache which may turn into migraine. Hence it is really important to keep a check over the screen timing of an individual and everyone should follow 20-20-20 rule<sup>22</sup> for digital viewing as this rule helps in reducing eyes strains.
- c) Distorted Sleep Schedule: this problem is prevailing since 1<sup>st</sup> advent of artificial intelligence was made through computers. According to many researches it has been proves that the blue light which emits from the screen of any kind of gadget, disturbs the natural cardinal rhythm of body and hence disturbs the sleeping cycle.<sup>23</sup> Many health professionals have emphasized that people should avoid to get exposure of blue light few hours before bed time and should engage in gentle activities to stretch up and relax their eyes. Even though many screen bearing technologies have come up with various options to reduce blue light but there has been no decrease seen in the cases related to eye strain due to exposure of screen.

## **CHALLENGES FACED BY HUMANS DUE TO OVER POWERING OF A.I**

Frictional movies like: Star wars, Avengers; which are majorly inspired from the matrix and algorithm of Artificial Intelligence, these movies not only tried to showcase us the positive

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<sup>21</sup> 322 Giovanni Vannucci, Artificial Intelligence Disappoints, 1463-1464 (Jennifer Sills, American Association of Advancement of Science,2008)

<sup>22</sup> Ibid

<sup>23</sup> Timothy J. Legg, Negative effects of Technology: what you need to know, MEDICAL NEWS TODAY, (Feb 25th, 2020) <https://www.medicalnewstoday.com/articles/negative-effects-of-technology>

impact of A.I over mankind<sup>24</sup>, but also delivered that one corrupt mind may leads to the destruction of whole world. This led me to the most criticized statement of **Stephen Hawking** who once stated that “*rise of robots may be disastrous for mankind*<sup>25</sup>.” Although, he did not give his insight over the following statement but we can deduce that, he had an idea regarding the steady but indirect threat of artificial intelligence to human life to a great extent. Even though, many scholars have criticized the opinion of Stephen hawking by claiming that artificial intelligence do not have brain of its own, but it solely works upon the commands given by human. However there is a great loophole in the criticism put forward by scholars as even if we agree over the fact that machines or artificial intelligence equipped technology works solely upon the commands given by humans, it is possible that the operator who may be giving commands to the machines have some evil goals which could lead to the destruction of lives of human and not to our surprise we have came across various news where people through the medium of artificial intelligence and its algorithm hacked and infringed not only the privacy of an individual and his family but also damaged their economic life to an certain extent.

Another challenging aspect of artificial intelligence on human life is the rampant decrease in the job opportunities in the field specifically, where there was a need of human intensive work. According to many scholars, due the advent of *forth industrial revolution*<sup>26</sup> that is, emergence of artificial intelligence; many jobs basically jobs in which there was an indulgence of unskilled or semi-skilled human labor had a great downfall as the machines replaced them not only over the aspect that it will ease and fast-forward the work process but it also, assured less capital expenditure and long term output.<sup>27</sup> Although, this replacement did not have any serious consequences in the first world developed countries but, we saw a great wave of poverty due to job loss because of replacement of Human intensive work with machine installed work in third world countries or underdeveloped countries. As majority of people from an underdeveloped country rely on unskilled and semi-skilled work for their daily living. And sudden shift from human to machine will definitely cause ruckuses amongst rich and poor class which would ultimately led to psychological problems and also persuades people to indulge in illegal crimes.

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<sup>24</sup> Bernard Marr, What Are The Negative Impact Of A.I, BERNARD MARR & CO., (Nov,22nd 2020) <https://bernardmarr.com/default.asp?contentID=1827>

<sup>25</sup> Max Tegmark, Benefit and Risk of Artificial Intelligence, FUTURE OF LIFE INSTITUTE,(Oct 22nd ,2020) <https://futureoflife.org/background/benefits-risks-of-artificial-intelligence/?cn-reloaded>

<sup>26</sup> Ulrike Franke, Harnessing Artificial Intelligence, 3(European Council Of Foreign Relation, 2019)

<sup>27</sup> Ibid

Artificial intelligence is indeed proving to be one of the most successful inventions by humans of all time and it is also progressing in an immensely rapid rate in order to provide uninterrupted experience to the users in every domain. However, a positive aspect always comes along with certain negative aspect. And one of the best approaches to curb the negative aspect is to understand and cover the expected loopholes and dangers. Some of the inevitable threat of A.I over human is as follows:

- a) **PRIVACY INVASION:** With the expansion of artificial intelligence, an individual is getting more dependent over its technology to able to have an ease and relaxed life but this relaxed and dependent behavior of individual is somehow affecting the personal space to an extent which could hamper their personal life and destroy it completely. One of the most controversial and non reliable technique developed by A.I is the tracking mode, as under this mode minute to minute information about the user may be transferred to various nodule points and as Bill Gates stated that “*no machine is evil but the operator of the machine who is giving the commands may turn the machine it into evil*<sup>28</sup>” thus it is possible that the information which is given out by the user with the full faith on the artificial intelligence may lose all his personal information to some hacker. in recent times, we have seen various A.I techniques like fingerprint, face detection, location tracking, camera access and so on are some of the features which are really private to an individual and if that is misused by any way it could led to enormous destruction in an individual’s life.<sup>29</sup> Also the major loop hole in the increase in diversity in technology in A.I world, is that no organization is willing take any liability if the information is misused by the any nodal end. However, we saw that various legislature around the world have taken various measures to curb the menace and danger created by various techie phanatic by implementing laws which could district various applications to access through anybody’s personal information but still the major responsibility is still over the user to give out personal information to any random app with full caution and after reading terms and condition. Getting a discussion to more domestic level recently,

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<sup>28</sup> Peter Holley, Elon Musk Nightmarish Warning: AI could become ‘an immortal dictator from which we would never escape’ THE WASHINGTON POST,(Nov 23rd ,2020) <https://www.washingtonpost.com/news/innovations/wp/2018/04/06/elon-musks-nightmarish-warning-ai-could-become-an-immortal-dictator-from-which-we-would-never-escape/>

<sup>29</sup> Max Tegmark, Benefit and Risk of Artificial Intelligence, FUTURE OF LIFE INSTITUTE,(Oct 22nd ,2020) <https://futureoflife.org/background/benefits-risks-of-artificial-intelligence/?cn-reloaded>

we saw that the Indian government banned more than 100 apps which were infringing the policies of Indian laws.<sup>30</sup>

- b) **SOCIAL INTELLIGENCE AND MANIPULATION**: Since childhood we all are writing essays over how social networking sites can impact our thinking process and manipulate us to another extent. In medical field it has been a well proven fact that social media affects the brain of the user directly and it ultimately led to anxiety problem, PCOD, ADHD and so on. However in recent times we came across another huge threat posed by social networking sites like facebook and twitter as their autonomous power algorithm is very affectively targeting and manipulating the general public by giving those insights of various fake information<sup>31</sup>. One of the major reason for calling social media algorithm as a base of manipulation is the hacking community in between the nodule points of artificial intelligence who breaks the algorithmic technique and tress passes the domain of an individual's social media account to manipulate their thought process by recommending them various pages. One of the most controversial and talked about topic which raised concerns about the effectiveness of Artificial Intelligence is: Cambridge Analytic Facebook controversy, as the repudiated news agency claimed that more than 50 million users from USA had been victims of data manipulation in 2015 elections which thereby was agreed by the CEO of facebook and accepted the negligence<sup>32</sup>. Even though such news and loop hole came into picture people around the globe are still willing to share their personal information in such public platforms. Hence this shows that how people are negligent about the artificial intelligence.
- c) **SLACKENING IN JOB OPPORTUNITY**: with the advent of artificial intelligence there has been a division in the diverse job opportunities, as now we define jobs in a broader term which includes- highly skilled, skilled, partially skilled and unskilled. Now if we talk about the positive impact of artificial intelligence on job opportunities we can

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<sup>30</sup> Stuart Russell, Is Artificial Intelligence Dangerous, DATA FLAIR TRAINING, (Oct 20th, 2020) <https://data-flair.training/blogs/is-ai-dangerous/>

<sup>31</sup> 322 Giovanni Vannucci, Artificial Intelligence Disappoints, 1463-1464 (Jennifer Sills, American Association of Advancement of Science,2008)

<sup>32</sup> Bernard Marr, What Are The Negative Impact Of A.I, BERNARD MARR & CO., (Nov,22nd 2020) <https://bernardmarr.com/default.asp?contentID=1827>

only refer to jobs which include highly skilled or skilled labor as people who are well equipped with the knowledge of machineries are only eligible for the job<sup>33</sup>. The other remaining labor class that is semi skilled and unskilled has seen a dearth in the job opportunities because of the advent of the artificial intelligence, as machineries full fledgy replaced the human intensive work. Even though artificial intelligence in the field of development has paved way for more efficient and long term production but it somehow snatched the living from the poor. The author here want to point out that the effect of replacement of human with machineries had a less or negligent effect in the first world countries but it has definitely worsened the conditions in third world countries, where more than half of the population is employed as semi skilled or unskilled laborer<sup>34</sup>. Thus, even if there is a boost in economy there is a surge in the human development index in third world or developing countries and here comes the responsibility of a welfare state to intervene and help the citizens.

### **PERSPECTIVE OF GENERAL PUBLIC**

For better insight and diverse perspective, Author conducted a survey with the help of google forms, in the following survey the author took the sample size of 100 people. The people who participated in the survey are ranging from age 15 to 40 and above. Through this survey I wanted to gather the perspective of people belonging to different states of India about ‘Is Artificial Intelligence is a real threat to human health’ and the results were turned to be in accordance to the Hypothesis of the author: that is, artificial intelligence indeed has a hidden indirect threat to Human health. The following representation are denoting the results from the survey conducted<sup>35</sup>.

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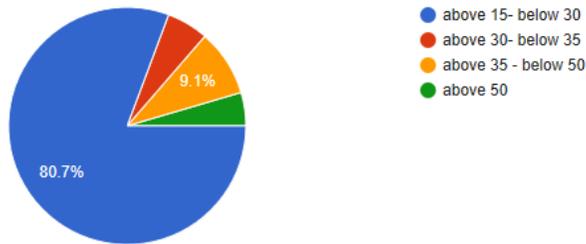
<sup>33</sup> Shoshana Weissmann, How Not To Regulate Social Media,58-64 ( The New Atlantis,2019)

<sup>34</sup> Bernard Marr, What Are The Negative Impact Of A.I, BERNARD MARR & CO., (Nov,22nd 2020)  
<https://bernardmarr.com/default.asp?contentID=1827>

<sup>35</sup> Google Forms

which age group do you fall under?

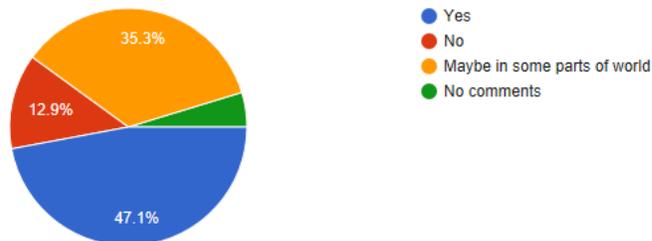
88 responses



The survey was attempted by 80.7% of people who fall under the age group of above 15 years of age and below 30. Although, the second highest age group who participated in this survey is from the age group above 35 and below 50. Hence, the further survey's results are based on the answers attempted by these participants.

- **Do you think that A.I is affecting us mentally and physically?**

85 responses



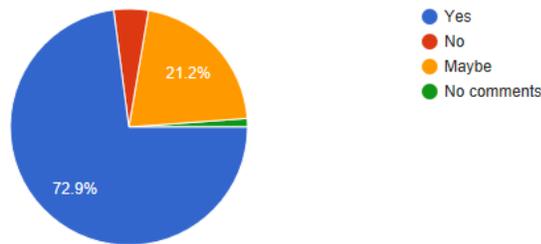
As per the survey 47.1% category of participants agreed that A.I has an impact on human health and is somewhere responsible for increasing mental and physical health in humans. And 35.3% of people think that it is in some parts of the world. According to a report majority to death reported in 2013, was due to psychological problems. Also, many researches conducted by AMA (American Mental Association) and other renowned universities, it has been found that most of the deaths in recent years are majorly due to lack of physical activity or because of mental pressure and burden. And Artificial Intelligence plays a very crucial role in such trends because due to the technological development, people have started distancing each other, there is negligible

amount of physical interaction between individuals which is one of the major cause of mental break down and other psychological related issues.

Also, the covid-19 Pandemic has showed us the harsh reality that, no physical human interation is very harmful for our mental stability.

- **Is there any involent of political agenda in the increasing threat to right to life and privacy of individual?**

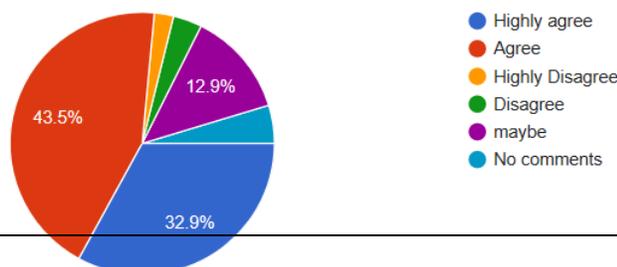
85 responses



Accroding to the results of the surevy, it is evident that most of the citizens think that there is a deep seeped connection of poltics and threat to life of individual due to A.I, also according recent trends it is pretty evident that in most of the part of world, duing the election times specifically, there has been a lot of attempts by political parties to influence minds of people. However, we cannot oversee the great step taken by European union by introducing *General Data Protection Regulation Act*, according to which it sets a guidelines for the collection and processing of personal infromation of individual within the european union.

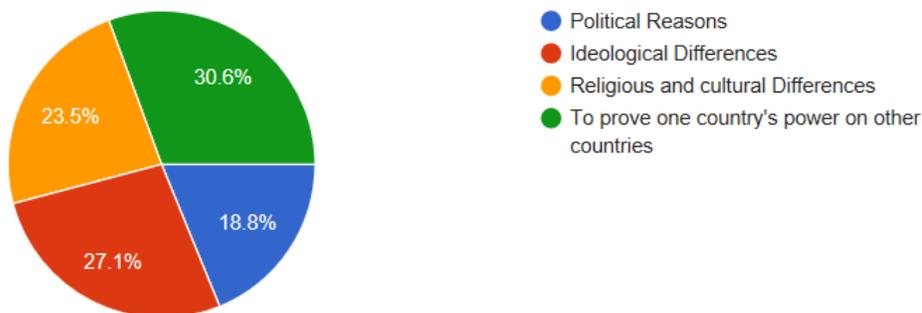
- **Do You think that due to the advancement in the field of artifical intelligence there has been an increase in Job Loss specifically in developing countries or third world countries.**

85 responses



As we can interpret through the given chart that, the majority of people are giving the response in affirmative way and agreeing with the hypothesis and the question put forward to them. And yes, somewhere it is true that the A.I and advancement in the filed of technology has already replaced human power with machine power one of the example which could be cited is: the *Carpet and stone quering industries* as with the advent of machines many people have lost there jobs and these job loss has more extreme impact on the people who belongs to the developing countries and thus leading to toxic behaviour and pschological problems which ultimately leds to family distruction, rapid deaths and so on.

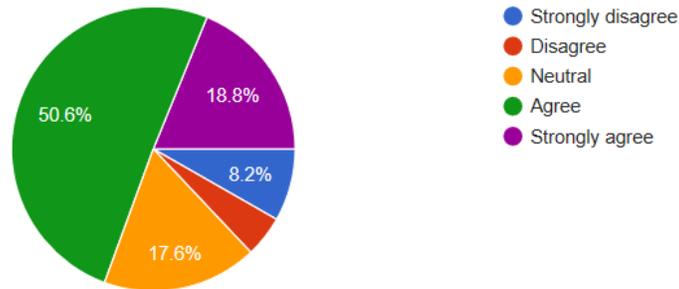
- **What according to you is the reason because of which artificial Intelligence is overpowering and overtaking the Human.**



According to the result of surevy conducted, we can see through the chart that there is a no clarity over the what is the major reason for such overpowering as the chart is depicting an almost balancing situation. However, still the majority with 30.6%, of participants feel that the major reason behind negligible restriction on Artifical Intelligence is the constant rush to prove hegimony over other country's by way of expanding artifical intelligence technology around the globe.

- **Do you think that due to the constant increase in the time spent on various technical device led to mental and physical health issues?**

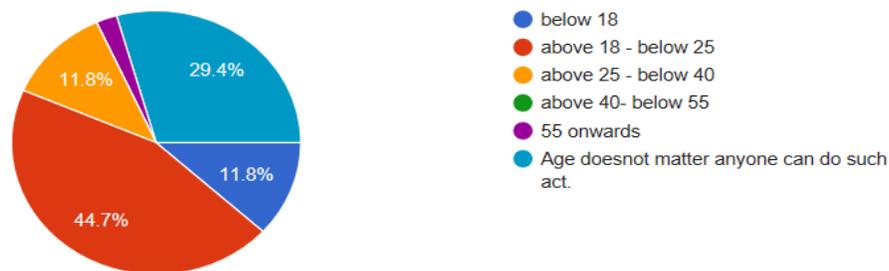
85 responses



According to the results, it is clear that more than 50% of the participants feel that there is a direct contact of mental and physical health deterioration due to the increase in the total time spent on a gadget. Also, in the pandemic we have seen a rapid increase in the reliability of individual on all different kind of A.I oriented devices and thus, it has led to the immense increase in the exposure to screen and a dip in physical and mental health of individuals.

- **According to you individuals from which age group are generally more prone to get into the web of Artificial Intelligence.**

85 responses



In this question, the author was not expecting the result to be turning up like this, as here in the chart we can deduce that majority of participants with the percentage of 44.7% votes, feel that it is the people who fall within the age parameter of 18 to 25 who get into the rat trap of A.I. however, according to the hypothesis of the author, each and every individual who into the trap of A.I and author goes with the 11.8% of people who claimed that age is not the factor anymore.

However, if we look from the perspective of majority of people it is quite evident that they voted for the particular age group because of the rampant increase in the opportunities for individuals in A.I platform. One of the examples; could be of Bit-Coin, as it emerged as a successful crypto-currency and to not to our surprise majority of individuals who invested in Bit-Coin were from the age group pertaining to 18 to 25.

⇒ From the above discussed survey, we can deduce an interpretation that people from different states of India have similar perspective over the increasing threat of Artificial Intelligence over Human Health psychologically and physically as well. However, it is the individual themselves only who can protect and take all the preventive measures to safeguard themselves from the Rat Trap of Artificial Intelligence, Although we cannot set the government free from not taking the liability as they are equally responsible for the privacy and daily earning of individual for their living. Hence, to conclude I would like to put emphasis on the aspect which would cover the government's liability provide enough job opportunities to skilled and unskilled labor as in a developing country like India where majority of people are dependent upon unskilled and fully labor intensive work will have great impact if machine will take over them which will ultimately impact the Mental Health of an individual. Also, the general public and Medical professionals should encourage people to talk about mental health openly and remove the stigma from the society. Thus, it is responsibility of government and also of the citizen to take care and not let the Artificial Intelligence take over their life expectancy and opportunities.

## **CONCLUSION**

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‘Gone were the times when we used to wake up, to birds chirping and to have sight of rising sun; however, now the stay up late schedule to opening of eye to the sound of whatsapp message has surely made everyone wonder, was this the way how we wanted our lives to be.’ With the advent of technology and artificial intelligence, it indeed enrolled a new dimension in the lives of people. A.I has not only embedded and involved itself in our professional lives but it has also

encroached into our personal space so swiftly that we were not ready to guard a line between real and virtual life. Remembering the time when I was 7 and my school teacher handed me over a threshold about screen time and how technology is affecting our life, I also visit the times when we used to get essays about Social Network a ban or boon. We all have experienced that phase when we were skeptic about the technological advancement and were guarded with an ideology that Technology could turn our fruitful living into a zombie living. The suddenness with which internet wave hit us, none was escapable: whether it was a kid, a Job aspirant, elderly parents waiting for children to visit and so on. A.I cut shorted and eased our life with 'One Click System' but it indeed took the unique perspective from people, it indeed made a globe a small village but reduced physical contact of human to such an extent that they are turning down into their own social media cocoon which is leading to mental health problems. In recent times, we all have come across various headlines which directed us that how A.I is threatening our privacy by asking about our locations, finger prints and what not. Not only this there has been an increase in cyber terrorism and crime which is unable to be tracked as the web of Artificial Intelligence is much easier to develop but impossible to track the nodule point. In a nutshell, it is the liability of an individual to act responsibly and give out personal information after confirming the source and the end point of the asking party. However, that does not mean that the government and administrative authorities ignore their responsibility to safeguard their citizens by implementing laws for not only the welfare of citizen but also developing country with the help of genuine and safe Artificial Intelligence.

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