

# Prevalence of hunger in the Modern World despite advancements in Science and Technology.

## Outline

### Thesis Statement:-

Hunger is still lingering in the modern world despite the advancements in the fields of Science and technology because a major portion of the countries budget is spent on buying arsenal for defence. It can be overcome by using technological instruments in food production, access to the food globally.

(Total words: 49)

### 1) Introduction:-

2) How hunger is prevalent in the Modern World despite advancements in Science and Technology

3) Why is there hunger in the world despite advancements.

a) Hunger is still present because a large proportion of the budget is spent on buying arms.

b) Less use of technology in the food production.

c) Not utilizing the block chain technology.

d) Technology use for space exploration.

e) Not adopting the climate smart agriculture.

### 4) Impacts of hunger on the global population.

a) Decline in ~~people~~<sup>diet</sup> contribution for development.

b) Malnutrition in children alleviating the resistance of the body against fatal diseases.

- shrinking of economy in the countries
- c) ~~Revenue generation of many companies in the world is moving towards downturn.~~
  - d) Decline in the labor force in the industries.
  - e) Healthy diet becoming a distant dream.

## 6) How to alleviate the prevalence of hunger

- a) Block chain technology use result in combating hunger.
- b) Huge investment in the global food production.
- c) Switching to climate smart agriculture.
- d) Abeyance in the Space Exploration programs.
- e) Transferring the technology to developing countries.

## 7) Conclusion

## Prevalence of hunger despite advancements in Science and technology in the modern world.

### Introduction:-

Humans have explored the Space, they made atomic bombs from very small particle called "Atom" but they could not eradicate hunger from the world. The budget of the space explorations is trillion of dollars but the humans could not spend too much amount to make this world free of hunger. In 2021, only 7 billion dollars were paid to the NGO's by the philanthropists to feed 450 million starving people, whereas the cost of International Space Station (a largest spaceship orbiting in the orbit around the earth to conduct researches in the Universe) is 150 billion dollars. In this way, there are many scientific advancements but the eradication of hunger needs the utilization of these modern gadgets to curtail the hunger. The hunger is still prevalent because a hefty amount of budget is spent for buying the armaments, less use of technology in the food production, not utilizing the block chain technology, use for space exploration, and not switching to the climate smart agriculture. As a result the

its impacts are decline in people contribution for development, malnutrition promoting risk of fatal diseases, revenue generation is declining, less number of labor force in the industries and healthy diet becoming a distant dream. However, can be mitigated by using block chain technology, increasing investment in food production, switching to climate smart agriculture, abeyance in the space exploration programs and transferring technology to developing countries. In a nutshell, hunger is still lingering in the modern world despite advancements in the fields of science and technology because a major portion of budget is spent on buying arsenal for defence, it can be overcome by using technological instruments in food production, access to the food globally.

(Total words: 288)

**How hunger is prevalent despite advancements in science and technology:**

This is due to the fact that humans do not spend too much on making the world free of hunger and spend a large amount on the purchase of arms and ~~nuclear warfare~~. For instance, Ukraine increased its initial defence budget for 2022 by \$33.66 billion after the Russian invasion on its territory (Ukraine's 2022 defence expenditure accounted for 32.5% of GDP, business standard.com, 2022)

M T W T F S S

Day: ☆☆☆☆☆☆

Date   

~~2/3~~ Hunger is still present in the modern world because a large proportion of the budget is spent on buying arms by many countries for their defence. Countries think that it is very necessary to first protect their homelands. For example, Russia spent 66 billion dollars on its defence in 2021. Similarly, US the superpower of the world spent 80 billion dollars on defence. (Military budget of Russia, wikipedia.org, 2021). In this way, hunger is still prevalent. (Total words: 76)

~~3/3~~ Technology use in the food production is less. This is because many developing countries are using less food technology plants due to higher rates of machinery which they usually import from the developed countries. Pakistan is the 5<sup>th</sup> largest country in the world in terms of population but it is not importing huge machinery from other countries because it is facing a Balance of Payment Crisis. For example, food production industry is the 2<sup>nd</sup> largest industry after textile but in relation to Pakistan's population, it is still needs to grow to cater the masses food requirements (Food and Agriculture, Denmark in Pakistan, pakistan.um.dk). In this way, there is hunger in the modern world despite the advancements. (Total words: 104)

~~3/3~~ Majority of the countries in this world are not utilizing the block chain technology in

Imperial Notes

M T W T F S S

Day: ☆ ☆ ☆ ☆ ☆ ☆ ☆

Date   

their areas. This is because, its installation requires investment in the developing countries whose resources are not in considerable amounts to develop this technology on its own. There is scarcity of this technology use in Pakistan and this technology can be used by the developed countries mostly. For example, US is the alone user of nearly 40% of the all blockchain technology. Similarly, (Top 10 countries leading Blockchain Technology in the world, blockchain-council.org, Dec 2022). Similarly, this technology is available not all around the world but only 100 plus countries out of 196 countries have access to this technology and its use needs to be expanded. (what countries does Blockchain support, blockchain.com, Jan 2023). In this way, hunger prevalence is still present despite scientific and technological advancements. (Total words: 126)

~~Many~~ The developed countries of this world usually invest in buying / producing the technology which is used is space exploration. These countries invest in it because they think that by exploring the universe they will have much access to the resources of the universe and they will prove to be raw materials for many things. US spent most of the money in space exploration programs. For example, In 2022 the total global expenditure of

Imperial Notes

M T W T F S S  
Day: ☆ ☆ ☆ ☆ ☆ ☆ ☆

Date

of the governments for exploration was almost 103 billion US dollars and US spent almost 62 billion dollars in 2022 for exploration program making it the country with the highest space expenditure in the world. (Government Space Program spending of the leading countries, [statista.com](https://www.statista.com), Feb 2023). In this way, there is hunger prevalence despite advancements in science and technology. (Total words = 115)

Countries have not switched to the Climate Smart agriculture in this world mostly. This is because, this is an advanced technology which is not available all over the world. Countries like Pakistan has not switched to it which is the most prone to the Climate change and recent floods have destroyed many crops in Pakistan causing shortage of food which subjected almost 33 million people to hunger. For example, in Feb 2022 the U.S department of Agriculture launched a \$ billion dollar initiative to support farmers and other producers in adopting to the Climate Smart Agriculture, it would help its farmers to quantify the impact on the climate, promoting the climate smart foods and developing markets for them. (Climate Smart agriculture helps stem global hunger, [bread.org](https://www.bread.org), April 2022). In this way, hunger is still prevalent in the world

Imperial Notes

M T W T F S S

Day: ☆ ☆ ☆ ☆ ☆ ☆ ☆

Date

despite advancements in science and technology.

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As a result, there is a decline in diet contribution for human development. This is because, diet has a role in proper development of human organs, tissues, cells, organelles etc. But due to scarcity of food, there exists stunted growth in many children who needs the proper diet for their development. For example, research shows an association between food insecurity and delayed development in young children; risk of chronic diseases like asthma and anemia and behavioural problems like hyperactivity, anxiety and aggression in school-age children. (Effects of hunger, feedingamerica.com). In this way, hunger effects the human beings.

(Total words : 95)

~~Food~~ <sup>Hunger</sup> ~~insecurity~~, has a major role in malnutrition among children which decreases the resistance of their bodies against fatal diseases. This is because, malnutrition in one or more nutrients can impair the production and activity of immune cells and antibodies. ~~Chronic~~ It is most commonly present in developing countries where there is shortage of food like Pakistan, African countries like South Sudan, Somalia and Ethiopia and many more. For instance, In Somalia more than half of children under the age of 5 are facing acute malnutrition with one

Imperial Notes



M T W T F S S

Day: ☆ ☆ ☆ ☆ ☆ ☆ ☆

Date

in Sin suffering from the most deadly form (Child Starvation and Malnutrition in Africa and the Middle East, [savethechildren.org](http://savethechildren.org)).

Similarly in Pakistan nearly 10 million youngsters suffer from stunting because of chronic malnutrition and undernutrition (Global hunger numbers rose to as many as 828 million in 2021, [fan.org](http://fan.org), Jul 2022). In this way, it has bad effects on the population. (Total words: 119)

Hunger also <sup>plays a role in shrinking of</sup> ~~impacts~~ the economy of a country badly. This is because, a lot of revenue earned by the governments of the countries via taxation, GST, levies etc is consumed in mitigating the health deficiencies in malnourished children.

This is mostly happen to the economies of the poor countries which can't provide ~~other~~ scientific technology to their countries to overcome hunger.

For example, due to high school absenteeism and repeating grades, hunger led to a loss of 19.2 billion dollars in life-time earnings in 2010.

Similarly, child hunger also costs the U.S economy at least 28 billion dollar

per year because poorly nourished children perform less well in school and need long-term health care spending. (Impacts of hunger on the

Economy, [iowafba.org](http://iowafba.org)). In this way, hunger has drastic effects on the economy.

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Imperial Notes

M T W T F S S

Day: ☆☆☆☆☆☆

Date   

Hunger also has its role in the number of labor force in the industries. This is because, the hunger is contributing to the decline in number of labor force due to malnutrition. The people can't not work properly due to which the productivity of the industries decreases. For example, in Southeast Asia, iron deficiency accounts for 5 billion US dollar in productivity, which decreases the labor force in the industries. Similarly, in India the cost of lost productivity, illness and death due to malnutrition is 10 to 28 billion US dollar or 3 to 9 percent of GDP (Poor workplace nutrition hits worker's health and productivity --, ilo.org). In this way, hunger decreases the labour force.

Hunger does not mean not having to eat but also means that having such kind of diet which is not healthy in constituents. This is because, the market has a lot of hygienic and packed food which is not meeting the nutrients requirement of the body due to which the people feel hungry most of the time despite eating the food. This factor is mostly present in developed countries whose natives have easy access to such kind of foods. For example, American people feel very hungry despite eating the food after short intervals of time.

Imperial Notes

M T W T F S S

Day: ☆☆☆☆☆☆

Date   

In developing countries, due to <sup>monopoly of industries</sup> ~~inflation~~ & healthy diet is becoming a distant dream which results in hunger. This is because <sup>packed</sup> ~~reserved~~ foods are highly processed <sup>and cheaper</sup> and are easily available in the markets which results in hunger as they ~~do~~ not cater the nutrients requirements of the body and a lot of its raw material comes from wheat, vegetables, fruits and rice etc which are actually healthy, but not available in the market. <sup>For instance,</sup> ~~Mostly~~ Majority of the people are subject to such kind of hunger. In this way, ~~hunger~~ <sup>impacts</sup> healthy diet is becoming a distant dream.

Blockchain technology transition can help in alleviating hunger throughout the world. This is because, it provides details of the components of the food ~~and~~ whether they are hygienic or not, and also provides them the access to prices publicly (means there will be no fluctuation in prices to all the people).

This means when there will be hygienic food then there will be no hunger because healthy food does not create untimely appetite. For example, Alibaba has been working on food supply chain project with Fonterra to track the food they sell and improve customer satisfaction. In this way, blockchain will help in combating hunger.

Imperial Notes

M T W T F S S

Day: ☆☆☆☆☆☆

Date   

There is needed huge investment in the global food production with increasing population. This is because, the basic humanitarian right is health which comes from access to healthy food and intaking that it and the recent production sectors of food can not meet the people requirements. So, there is an urgent need to increase their numbers. For example, 1 out of 10 person is undernourished and requires excess healthy food. Similarly Global food production will reach 44.5800 million by 2026 and there is an urgent need to increase it by developing more sectors. ~~In this way~~ (Food Market Outlook 2022-2026, [reportlinker.com](http://reportlinker.com)). In this way, investment in the food product will reduce hunger worldwide.

Hunger can be alleviated by many ways, one among them is switching to Climate Smart agriculture. This is because, humans have suffered a lot from climate change including droughts, floods, glacier outbursts etc. which reduces the amount of available grains in a country by destroying the crops. So, it is necessary to switch to it, otherwise the hunger can not be curtailed.

For example, US has recently switched to this kind of agriculture which will benefit the farmers to plant such kind of crops, vegetables which can endure the drastic effects of climate. (Climate Smart agriculture helps stem global hunger, [bread.org](http://bread.org), April 2022). In this way,

Imperial Notes

M T W T F S S  
Day: ☆ ☆ ☆ ☆ ☆ ☆ ☆

Date

switching to such agriculture is necessary to avert hunger.

Acc ~~there~~ ~~sh~~ Hunger can also be averted by directing the human resources in such programs which will curb it instead of funding the space program, it means there is a need to have abeyance in space programs. This is because, this is not first priority program to benefit the humans. So there is a need to ~~cut~~ temporarily discourage or suspend these kind of programs. For example, in 2022, US spent alone 62 billion dollars on space exploration, the number one country with such a huge expenditure out of 103 billion US dollars total.

(Government Space Program spending of the leading countries, [statista.com](https://www.statista.com), Feb 2023). In this way, the postponement of such programs will help in reducing hunger.

Hunger can also be mitigated by transferring the technology to the developing countries which ~~do~~. This is because, many developing countries do not have the capability to develop their own state-of-the-art food sectors to produce the food more efficiently and hygienically to entertain the people's needs. So, it is necessary to transfer technology to these 3<sup>rd</sup> world countries. For example, Haiti has a past of

endless battles for freedom which drained out

Imperial Notes

M T W T F S S

Day: ☆☆☆☆☆☆

Date   

the country's economy, making it the least technologically advanced country in the world. (15 countries that lack Technology and Internet access, September 2022). In this way, transferring technology to the developing countries will help in making the world hunger free.

In a nut shell, hunger is prevalent in the modern world despite advancements in Science and technology because of large budget allocation for the defence of the countries, because if ~~this~~ ~~high~~ amount priority given by the countries to explore the universe to ~~get~~ <sup>pursue</sup> many benefits from its exploration, not utilizing the blockchain technology which provides details of the contents of the food and prices publicly, not adopting the climate smart agriculture which would save the masses from hunger by planting climate resilient crops.

But it can be mitigated by many ways like blockchain technology installation, huge investment in the global food production like as that of the amount invested for space programs, switching to climate smart programs, remissioning the space exploration programs which are not as much necessary as human rights and transferring the technology to the 3<sup>rd</sup> world countries who can not afford its buying / procurement. By following these suggestions, hunger will be mitigated.

Imperial Notes

M T W T F S S

Day: ☆ ☆ ☆ ☆ ☆ ☆ ☆

Date

and the world will become hunger free.

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