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(Prevelance of Hunger despite Advancement in Science & Technology) T W T F S S

Outline:~

1. Introduction

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Thesis statement: Despite the miraculous advancement in technology, the world still supers from a prevailing issue of hunger. The main goal of science always remains to improve the life of them but it tails in the eradication of its prime issue of thowever, an advancement for the purpose of food security can mitigate the hunger issue.

2. Hunger crisis in the contemporary modern world (an overview)

3. Why hunger still prevails on a scientifically advanced evorld?

@ Revolution in the inclustrial sector than agricultural development

1 Advancement in weapons of war for state security but not human recurity

@ Modern wars and conflicts have led to man displacement and food cries

@ Testing of modern techniques worsening climate conditions

@ Use of AI in some pockets of the world instead worldwide commercuse

1 Shift to customated jobs increasing poverty of and hunger

A large quantity of food is wasted as people tackle food as commodify

4. The impacts of this prevalent hunger on modern world are devestating

@ Problems of malnutrition and stunded growth in children

(b) Lower life expectancy rates and high mortality rates

@ High risk of crimes and terrorism in hunger affected areas

A Hunger agrects the human development on thischen and it Later agrects the human resource development

5. Mitigation of hunger with science and technology in the modern world

a) Advancement of Biotechnology and genetically modified cross

1 Development in agricultural technology through smart use of gadgets

@ Improvement of food distribution through Artifical intelligence

@ Achievement of biobortification of food for nutrient security

@ Enhancing global cooperation on hunger-eraclication agenda

6. Conclusion

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The purpose of advancement on technology was to liberate the mankind from the burden of Labour Bold Rather it compelled men into the race of power which is being achieved through warre this chaotic situation exacerbated the food insecurity around the world . Science should tilt its advancement toward. The eraclication of hunger which is the would be liberation of mankind on true sense As John E. Kennedy once quoted that The war against hunger is truely mankinds ovar of liberation. Hence, Science & mainly focus on inclustrial development and weapons of over hather than the agricultural advancement the food crisis through the people's man displacement and damage to climate. Kecently, the miraculous development of science in the domain of Artificial Intelligence (AI) also cloen't create any positive impact in terms of God security. Rather it enhanced the poverty by generating automated jobs. The impacts of this prevalent hunger are very devasting such as, it causes malnutrition in children & clearences the life expectancy and increases the mortality rate. More over, hype in crimes have been noticed in hunger affected areas Despite all, in present times hunger still can be mitigated by shifting the focus of science towards agricultural develop & ment. Through working on biolechnology and biolor tilication & crops can be modified and nutritusly enriched All this can be achieved only through global cooperation on the hunger-erastication agenda-so, despite the miraculous advancement in technology, world still suffers from a cisue of hunger the main goal of science always ramains to improve the life of men, but it fails in the eradication of its prime issue However, an advancement Sor the purpose of Good security can miligate the hunger is it

in the contemporary modern world, hunger chies is the most crucial, in we which is a chally inclicating the failure of science advancement for the welfare of humankings. Food is the exembial element for life an In history, wherever the revolutions and protects against the government have seen one bewere in the demand of head.

Such as Franch revolution in which people's demand was So, food has been the key motive behind every struggle of men whether in past or present times. But science failed in tackling such a prime issue of humanity According to UN

hunger report, 2021; a dramatic jumps on jegures after 2015, have been seen about the proportion of people affected by hunger. It indicated that hunger rises in 2021 to 9.8% of world's population compared to 8% in 2019 and 9.3% in 2026. Hence, it proves hunger is on rise in the world, despite advancement in technology. This prevalance of hunger in a scientifically advanced world is mainly due to revolution in the inclustrial sector than agricultural development. More facus of science is on the Levelopment of Latest me technologies for the big companies. Recurity, there is global access to high-speed internel, constantly improving artificial intelligences and companies adopting big data analytics and cloud technology in the inclustrial sector. In this era of fourth inclustrial revolution, 85% of businesses are expected to expand their exports in big data analytics between now and 2022, signaling a larger mereshent toward new technology and cloud computing (Juan Buis," The fourth inclustrial herolution, 2022). Thus, advancement in the end functioning of inclustries is the bocus of Turther, de State security is preferred over human security, for which advancement has been done in the weapons of war. Countries who tried to get power or maintain power over the world try to acquire more and more everyons. Race among the countries for the power results the eruption of conflicts as recently seen between Rusian and UKraine. Because of their, Rusia and USA are striving to held more warkeads. According to report, Rusia and US have dismontled thousands of their retired warheads, they still own 90 percent of the world's total nuclear weapons (Aljazeera com, "Infogratic; How many nuclear evenpons does Russa have?" 2022). That's why, countries consider State security more noteworthy than human security Pre-eminently, these modern wars and consticts have led to mass displacements which further coorsens the food crisis. During these conflict people displaced and lost all means of earning which created humanitarian crisis for more than a decade, Yemen underwent the civil war between houthis rebels and its government. This civil war agrected millions of people and almost clestroyed Go percent of Urban area of vomun. That yemen is ongoing conflict has led to approximately 17 million people in need of urgent action in the absence of ongoing humanitarian force assistance. Hence, conflicted situation in many countries compelled their citizens into severe hunger cisis.

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The testing of modern textingues and dangerous excapons during these complicts worsens the climate conditions. And the bad climate condition disturbs the mosmal food production which results in resource depleted. The use of tactical and conventional excapons cluring the engoing was believe Wereine and Rusia is appecting the gree climate of the world. According to one research the smoke that produces through these excapons pollutes the air and environment. And resource depletion comes out as the negative impact of technology on environment. It repers to the consumption of a resource laster than it can be replenished (edinburgh sensors.com, "Environmental technology", 2021). So, for these modern excapons are also indirectly appecting the bood cycle through damage to climate.

Apart from these negative simpack, technology & also benefits the bood production through Artificial Intelligence (AI). But it not expiciently utilized, because of being limited to certain areas of world. AI is used in some pockets of the world instead worldwide common we Buch as, it is being utilized in the Algerian desert where more than 200 hydrophonic units are producing animal bodder which boosts the milk and must yield of goat. This intum improves bood security for some of the thousands of Sahrawi repugers. Thus, the limited use of technology is not allowing it to create much epicient result in the field of food inclustry.

On one side the use of AI is limited but on other side it is entensively utilized in Shifting the market to automated jobs which is increasing the poverty and ultimately the hunger. The increasing use of AI in jobs market is creates the surge in unemployment which makes people unable to alford exential elements of life such as loody and this situation is deteriating the prevailing hunger view. So, machines and technology are replacing manpower for certain jobs and this is the big reason for unemployment through current trunds suggest a maximum of 30% by 2030; depending mainly on the speed of adoption of new technology (finance tribule com, recently mainly on the speed of adoption of new technology (finance tribule com, recently selections). Hence, AI has become the cause of poverty & hungther hunger.

Along with all these causes of prevalence of hunger, another one

Along with all these causes of prevalence of hunger, another one is the coastage of large quantity of food by people as they tackle food as commodity. Grabbally, an inequality is observed in the clistibution of food as majority of population supers from unavailability of food but those who possess this blessing are wasting is. At It is

is considered around 1/3 food produced is not eaten and god wasted. In the US, the numbers are more staggering Some experts estimate that as much as 40% of the food produced in the United states is wasted. Therefore, food wastage is the saddening cause behind the prevalence of hunger

This hunger issue is chastically appecting the society on this modern world, on which one major eyed is the malnutrition and stunted growth in the children. In the 21st winding with the advanced technology, of world is still facing malnutrition in the shildren, then it is such a disappointing parameter for the science Globally in 2020, 149 million children under 5 were estimated to be stunted (too short for age), 45 million were estimated to be wasted (too thin for beight), and 38.9 million were overweight on obese Around 45% of deaths among Saldren under 5 years of age are linked to undernutition. (WHO Report, 2021). So, hunger crisis & severly affecting the growth of children. It sparts a to appear of days to d

Hunger is not only hostile to the health of children but it and also badly agreets the adult as it causes lower life expectancy and high mortality among Them Hunger causes the human body weak enough to build efficient impune system. teeble immune system becomes prone to multiple cliseases and injections. Not only severe microbes but the simple influenza can not be tackled by the human body with tragile community, which result in high mortality numbers The countries with extreme tood es shortage faces increased number of deaths. Such as somalia where around 42 deaths occurred per 100,000 people due to hunger thus, hunger lowers the life enter

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expectancy rates and in the food depleted regions. Along with this, a high risk of crime, and ferrorism is observed in hunger affected are a Food is the exential elimint for a live and him ex it is in the nature of every living organisms to struggle for the intake of food Without book there is no life, that is only the motive behind every export of human is to have tooch If to food is not available for man then he will go for violent actions. According to one research, a one percent increase in bood insecurity leads to an increase in the violent crime rate of approximately 12 perant holding other predictors of violent crime constant-(Jonathon Randel Caughron , An examination of Good insecurity & its imports on violent crimy, 2016) Hence, a surge on crimes is noticed on the food insecure regions.

1 Further, hunger affects the human development in children and K it later appects the human resource development In sufficient nutrition hinders the physical as well as muntal dwelop ment on children which will ultimately agget the human returned. 6 Impaired development causes many problems which includes diseases, decreased performance. of children during in school and some behavioural illnews. Research shows an association between food insecurity and delayed development in young children; rick of chronic illnesses like asthma and anemia; and behaveoural problems like hyperactivity, anxiety and aggression in school-age children (Impact of hunger, feeding america org Thus, Good on Security adversely affect the human resource All these adverse effects can be mitiga prevented through the 6 mitigation of hunger with the use of science and technology such as advancement in bio technology and use of genetically modified crops. Biotechnology can be utilized in a wicle range of applications such as livestock management, storage of agricultural E products and sustaining current crop yields, while reducing the use of fertilizers, herbicides and perficider from ficially modified crops possessing genes from different species Could possibly 1 relieve global food Shortages, will provide bigger and better havests for farmers. Hence, with the use of biotechnology and mode genetically modified grops, overall productivity can be increased which will reduce worldwide hunger. Moreover, development can in agricultural technology can be clone through smart use of gadgets such as drones and mobile phones. Orones can be used to survey crops and monitor their health; helping farmers to identify and a dolses problems early on And mobile apps help farmers to track their progress and input data, as well as access information about crop health and other relevant topics. In lebanon, for instance, syrian repugees comprise a quarter of the country's population but still essuggle to get bood at a reasonable price to make their lives easier, wfP developed the Palili F 3 mart phone app to quicle repugees to shops with reasonable food prices. So four, a smart use of technology can bring a progrus on agricultural sector. likewise sood diski bution can be improved through the Rain istilization of Antificial Intelligence in in AI can be used to easily the food distribution adequety supply the food to those who need it most and reclue the was tage of God. The way food can be distributed rapidly and supiciently According to texas The second routes and schedule. This would ensure rapid and supplies tood supply: It can help us to meet the ever growing dumand for food while also protecting the environment. So, with this AI can be used for the improvement in food supply system.

Along with use of technology for the increase production and adequate distribution of food, nutrition security can also be achieved through the method of biofortification. Stobotatification is a process of making the food more nutritions to help people who don't have access to these nutrients normally. This technique will help to highle malnutrition and related illness in children. Scientific won the World food Price in 2016 for their work on creating the biofortified sweet potato in South Prica. It was done to high malnutration and childhood blindrys in Africa with new varieties of starchy, orange-fleshed sweet potatoe the way nutrition security can be ensured in nutrient-lacking regions

All above steps to eraclicate hunger can be taken seriously only by enhancing the global cooperation on hunger-eraclication against a Calobally, countries should join hands to mitigate hunger and take collective eggs eggorts towards it such as eliminating the poverty, giving awareness to people regarding bool wastage and investing in the R&D (Research and Levelopment) in the agricultural sector UN world program is

expediating exports perticularly by developed countries as an obligation and making it transporent further, 29th september is considered as an international day to 8 on the awareness of food losses and waste reduction. Hence, these collective steps by the

countries can only eradicate the hunger.

In conclusion, hunger is still prevalent in contemporary worlds despite such advancement in science. The Main reason behind hunger issue is the prime focus of science towards inclusties, machineries, everyon and other modern techniques to their than investing in the agriculture and tood sectors that lack of focus is causing bood crisis globally that has void serious implications on mankind. Hunger causes the malnutrition & Stunted growth in children, low life expectancy to high mortality rates among people and impaired human resource duelopment. But all these problems can be solved through the use of science for the purpose of hunger elimination. As Mother teresa quo ted that If you can't feed a hundred people, then just feed one. Similarly, by taking emall

Small eports with the use of technology can create a major difference. Through advancement in biotechnology, biofortification techniques, AI and modern gadgets, hunger can be eliminated. Steourse, all this is posible with enhanced global cooperation on the hunger eradication drives.

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