

Overpopulation is a myth, as world's resources are sufficient to support growing population, and technological innovations will solve any potential shortages.

## Outline

### 1. Introduction

### 2. Overpopulation is a myth and can be used as a tool to strengthen the economy and nation itself.

- i. World is rapidly progressing, creating new opportunities for the population.
- ii. Overpopulation is perceived by third world countries who are unable to use it to strengthen economy by helping them create opportunities for themselves.

### 3. World's resources are sufficient to meet the needs of growing population.

3a. Energy demands of growing population can now be met through the use of renewable energy sources.

Solar, Geo-thermal and hydroelectricity today are used to meet energy demands.

3b. Food Production in the world today can easily meet the needs of growing population.

Green Revolution and Precision Farming today helps in increased food production.

3c. Water scarcity is now being addressed successfully by the use of recycling technologies which provides water to the growing population.

Netherlands maintains a stable water supply by using recycling and drip irrigation method to save water.

3d. Education today is being easily provided through online platforms <sup>and</sup> can be used to increase literacy rates of the countries ~~facing~~ <sup>with</sup> growing population.

Online degree provision by many universities around the world e.g. Edinburgh's universities.

3e. Ample <sup>job</sup> opportunities for graduates are available because of online and remote work opportunities.

Companies hire employees online and prefer work-from-home culture.

3f. Climate change is being addressed which results due to various activities of population e.g. increased smoke from vehicles and industries. It is addressed by the use of renewables.

Electric vehicles, renewable energy sources and lithium-batteries usage help in protecting climate.

3g. Increasing population <sup>is being</sup> ~~can be~~ used as a potential human resource to strengthen country's economy.

Case Study: Bangladesh

#### 4. Technological innovations will solve any potential shortage.

4a. Shortage of food can be solved by sustainable agriculture innovations and practices.

Vertical farming and genetically modified crops can help in increasing food yields.

4b. Shortage of residential areas can be solved by urban planning and infrastructure developments.

Smart cities can be established to accommodate overcrowding and

growing population effectively.

4c. Technological innovations can further ease the accessibility of different opportunities including health, education and career.

## 5. Growing population is a burden on resources and economy: Counterarguments and their solutions

i. Problem: Economic challenges in developing nations.

Solution: International funds and aids can be used to eradicate poverty which is the root cause of economic challenge.

ii. Problem: Environmental concerns

Solution: Renewables and cut down on carbon footprint can help the country in preserving climate.

iii. Problem: Resource Distribution

Solution: Devise policies addressing equitable resource distribution.

## 6. Conclusion

Today's modern world has a lot of resources and technology already available to address the needs of overpopulation in their demands for energy, food, water, education along with other opportunities and if in case of shortage of any resource, technological advancement because of the brains of the same population will be helpful.

Growing population can become a weakness only when countries fail to take the blame on their way of utilization of resources. Weakness can only be changed into a strength when the cause behind it is successfully identified and worked upon to eradicate. Overpopulation is an example which is a weakness for third world countries and can be converted into a strength when they could make proper use of it. It is just a debate of perspective. Overpopulation is a myth and this growing population can be used as that potential human resource which would include many effective brains for strengthening a country. World resources present today may they be produced manually or by the use of technology are all enough to support and handle the growing population. The use of technology is continuously evolving which makes this world a rapidly changing space for humans to live. This evolving technology make solutions of problems everyday and so it can be used to address any potential shortage of resource in the future to accommodate the growing population. Growing population in the modern era is not a myth rather a strength which can be used to evolve and modernize this world to higher level. Today's modern world has a lot of resources and technology already available to address the needs of overpopulation in their ~~list~~ demands for energy, food, water, education along with other opportunities and if in case of shortage of any resource in future, technological advancement because of the brains of the same ~~pop~~ population ~~be~~ will be helpful for sure.

Overpopulation is a total myth and is perceived as a myth by third world and developing countries lacking in resources and putting blame all on their growing population. Pakistan today is a home to world's 5th most largest population and face many different challenges due to its own slackness. We fail to grab the opportunities this rapidly evolving world is creating and so are left behind with nothing in hand. It does not mean that we are behind other countries because of overpopulation, it is because of our resources distribution and opportunity development.

Keeping the modern world aside, we can take an example of Bangladesh who created opportunities for itself by itself. It gave opportunities to the women in their country to run cottage industries and be a part of national economy producers. So, overpopulation is not the problem rather resource distribution and active participation in building opportunities is the key to develop and progress in this continuously evolving world.

One of the important demands of this population, which is continuously growing, is the energy demands. The world today has technology of such ability available today which can successfully meet the energy demands. Renewables including solar, hydroelectric and geo-thermal resources are all used today effectively for the production of energy and electricity. These resources are all present in today's world and are self-replenishing to support the exponential growth of population today. The race for renewables is a direct measure for the growth and development of a nation. This has become a symbol of power and prestige and can be made through natural resources. The world is already making use of it successfully that is why today countries are seen surviving while meeting their energy demands. In third world countries, for example Pakistan too has started importing the solar technology from one of the biggest manufacturers, China and we can observe it on the roofs of every one house or the other making use of solar panels. It asserts that world today is successfully meeting energy demands of burgeoning population through renewable energy resources.

Second demand of the growing population is food necessary for their survival and efficient working. This demand is also already fulfilled using new technologies and practices of modern world to increase the food production. Techniques like Green Revolution and precision farming are used in full swing for maximum and nutritious crop production. Green Revolution is already in practice as it makes use of high-yielding crop varieties for sufficient output, fertilizers for

nutritious production and improved irrigation techniques for preservation of these resources.  
Precision farming is another technique which is more advanced as it makes use of remote sensing to find areas of high yields for particular crops along with the minimum usage of other resources with less waste production and increased efficiency. Both of these techniques are used for sustainable and productive agriculture to meet the needs of people. Getting hold of this technology to foster economic growth and better management of masses is necessary for third world and developing countries. Hence, it is not overpopulation which is the problem rather backwardness in technology advancement and techniques' implementation ~~is the problem~~ which is the main cause of stagnant growth and development.

#### CONCLUSION:

The world resources and technology advancement including renewable energy resources, online opportunities and use of the increasing population as a potential human resource are all evident to provide for the ~~increasing~~ <sup>increasing</sup> population. The will to upgrade technology, devise policies for public and national good and creating opportunities for one's ownself are some of the steps ~~the~~ developing nations need to take in order to grow with the world. Otherwise, overpopulation would always remain the cause of every problem in the nation. In this modern world, evolving technology and already available resources are mostly with the developed nations who fought the right root cause after identifying it. It is an example for the developing world to invest their resources and energies towards the right problem for their states. They can build and excel in technology and development if they have got to identify the real problem and the will to eradicate it. Overpopulation can be easily handled when the world takes the responsibility as a whole single unit to grow together in technology, innovation and development.