

Science makes man richer in their possession but poorer in themselves.

## Outline:

### 1. Introduction

Thesis Statement: Science has impoverished the life of man by providing him necessities but it has made men aloof from nature, morality, spirituality and imaginations.

### 2. Science: a source of material wealth.

#### 2.1 Technological advancements

- a) E-governance in Estonia
- b) E-voting for Oxford University chancellorship

#### 2.2 Economical advancements

- a) Expansion of market
- b) Incorporation of science in economic increased global GDP.

#### 2.3 Global Infrastructure development

- a) Italian foreign Minister highlighted high-speed trains <sup>will</sup> increase productivity and GDP.

### 3. The paradox of scientific advancements

#### 3.1 Environmental degradation

- a) Over exploitation of resource, deforestation,

#### 3.2 Loss of connection to nature

- a) World Bank Report forecasted Pakistan's 60% urban life by 2050.

#### 3.3 Reduced social interaction

- a) study by Consumer Affairs Pew Survey rise in social apps is seen

#### 3.4 Over-reliance of consumerism

- a) Consumer Affairs Report: 2024: 12% Americans update phone every year and 5% after every six months.

### 3.5 Ethical dilemma

a) AI controversy : deepfake videos

b) CRISPR controversy : genetic manipulation

## 4 Impoverishment of human experiences

### 4.1 Rationality overpowers mystery and imagination

a) Science explores world in empirical terms thus supercedes human fantasies

### 4.2 Detoxioration of spirituality

a) ISPOR Report 2022 : surge in major depressive disorders due to loss in spirituality

### 4.3 Disruption of emotional and mental wellbeing

a) Reserch of by Princeton University digital devices overuse disrupts sleep cycle, hightens anxiety and reduces attention span

### 4.4 Loss of intrinsic value of relationships

a) Increase in dating apps : situationships, benching, fling - new p terms practices in relationship

## 5 Restoring balance: Ethical science, human values

### 5.1 Sustainability and ethical practices in scientific field

a) Shift to renewable resources

b) conserve resources.

### 5.2 Re-emphasizing human centred values

a) Align morality in AI, bioengineering

### 5.3 Encouraging balance between science and nature

a) Promote organic life

## 6. Conclusion:

## Essay:

In a world where man is given endless convenience, advancements, innovations and the ability to alter life, is man truly better off? While science has given men the power to communicate to the other part of world at speed of light, increase his economic gains <sup>by manifold</sup> multiple folds, travel in high-speed trains and live in smart homes, it has also made men question the cost of this progress, has he gained more than that he lost - essence of life.

The paradox of this scientific advancement impoverished him from his raw experiences and broken his connection with nature.

It has exploited his surroundings and deteriorated his spirituality. In such circumstances, there is a dire need to restore balance between ethical science and human values. In a nutshell, science has empowered the life of man by providing him necessities but it has made man astray from morality, spirituality and imagination. This essay highlights about the advancements of science and its impacts on human experiences and it also gives way forward to balance between both.

All the material necessities of modern age are blessings of science. But, in order to gain these material sources man is paying off through his imagination, spirituality and <sup>detachment</sup> aloofness from nature.

Mysteries of life has been substituted by empirical statistics. His faith, beliefs and culture are in doldrums. Science is a source of material wealth it has advanced multiple sectors of human life.

Man owes his technological advancements to science. Pre and post-industrial world has stark differences at technological scale.

Technological advancements in general and internet access, for public, in particular has revolutionized the human life. Governments have shifted their dealings through E-governance. From online grocery to buying and selling of properties; from bill payments to visa application, all these are made easy using internet. Similarly, internet is used, and is tried to be used, for e-voting. where eligible voters from any corner of the earth can cast their vote and fulfill <sup>their</sup> responsibility. According to official website of Oxford University this time its Chancellor will be elected through e-voting. All <sup>eligible</sup> alumni <sup>around</sup> from the world will ~~vote~~ be able to vote. Hence, such advancements have given a new dimension in dealings of life.

Moreover, science, through its economical advancements, has expanded the economical arena. It has helped in accelerating gains through enlarged markets. Physical as well as online markets have increased the sale of goods and services. Incorporation of science in

economics has increased the global GDP. Post-industrial revolution the gains of advanced countries saw a boom. Even today, countries with advanced economic activities, like: e-trading, e-services, automobile manufacturing, silicon industries, and many other such activities, have more GDP compared to developing and underdeveloped countries. Therefore, science when incorporated, <sup>through</sup> in such activities, in economical sectors, makes man richer.

In a similar way, science has also bestowed men with ease through ~~hi~~ infrastructure development.

After advancements in science the global infrastructure has <sup>been</sup> developed and <sup>it</sup> has provided convenience to man. Distances that he covered in days and months have been reduced to hours and days respectively. The introduction of high speed trains, bullet trains and electrical trains have reduced distances. Italian Foreign Minister, during inauguration of high-speed train, highlighted that it will not only reduce distance but also increase GDP.

As it will allow more time to be productive and efficient in working. This shows that in order to gain more in worldly possession, infrastructure development is a useful card in deck.

Nevertheless, the advancements of science are so bewildering that they

make man loose his sense of being.

The paradox of scientific advancements is so glaring and unavoidable that it demands attention. Contrary to the gains that man owes to science, these gains in return <sup>have</sup> caused huge losses.

Firstly, in order to speed up the process of advancements in science man has degraded the environment. With the urge to have more in possession, within a less time, man has overexploited his surroundings. Over exploitation of resources, like minerals and fossil fuels, for technological advancements; deforestation and disruption of biodiversity for infrastructure development; introduction of pollutants in natural water resources and clean air, for after increasing industries, for economical advancements, all are concrete evidences of overpowering of science on the <sup>man's</sup> sense of being. Hence, the paradox of such advancements is irrefutably evident & in the form of degraded environment.

Similarly, by degrading environment man has shown his loss of connection to nature. A healthy connection shows the safety and progress of both the entities. In the case of a <sup>connection between</sup> man and nature, man under the influence of science has almost broken this connection. It is evident through rapid urbanization that

how man has waived off the nature to have urban, industrial and unnatural, life. Even in under developed and developing countries, where natural, rural life where has been pushed toward backwardness by devoiding them from gains, rapid urbanization is a more frequent phenomenon. A recent World Bank report has forecasted sixty percent of urban life in Pakistan by the mid of twenty-first century. Therefore, it shows that in order to grapple the scientific advancement man has loosen or is ready to lose his connection to nature.

In a similar pattern, <sup>science</sup> man has reduced ~~man~~ social interaction of man. Science not only has severed man's connection with nature but also has reduced his connection with society. Rise in social media platforms and their celebrated existence is its definitive evidence. According to a recent Pew survey facebook, Instagram and tiktok are among top five most used applications this year. Science has connected man with world but has severed him from his society. Hence, science is making man to pay in many ways to have its advancements.

Moreover, science and its advancements has made man to over rely on consumerism. Man has been made to purchase and consume material goods

to satisfy his material needs and brag about his social status. Man is now inclined towards tech-driven upgradation over meaningful experience. According to a study done by Consumer Affairs, a private survey e-platform, nearly twelve percent Americans upgrade their phone annually and almost five percent buy a new phone every six months. Over reliance on upgradation rather than gaining personal meaningful experiences in order to satisfy their needs is a <sup>misleading</sup> daring adventure. So, science is making man poorer in gaining their meaningful experiences.

Along with it, science has pushed man towards ethical dilemmas. With advancements in biological and technological fields many controversies have arisen. Nowadays a debate about ethical application of AI is underway. AI has caused many controversies. From a deepfake video of a Bollywood actress to an AI generated video of a former US President, it has steered shaken the public. Intelligentsia and stakeholders are forced to set rules to steer AI in a positive and ethical direction. Similarly, the CRISPR controversy, about generation of a lab-modified human babies, is also circulating. Hence, it shows how the scientific advancements are challenging man in individual, social and ethical domains.



Undoubtedly, man has been denuded from his surroundings and also been impoverished of his experiences. In a scientific world, rationality supercedes mystery and imagination. Man, unlike other animals are bestowed with the power of imagination. He sees world through lense of mysteries and <sup>he</sup> imagines a universe of his own parameters. But ever since science has advanced, it has replaced imaginations with rational and empirical numbers and datas. Science explores world in empirical terms and mathematical formulas. Now, man has ~~shirk~~<sup>shirk</sup> his imaginations and fantasies ~~to~~ and have worn the specs of science. Instead of imagining any further, now man searches answers given as theories and laws in books or online. That is how, the empirical values, in a good or bad way, has taken over the human's imaginations.

With this, science has deteriorated spirituality of man. Spirituality seeks answers and peace beyond physical existence. Through it man achieves mental health, emotional resilience, stress reduction, self-growth, strength, comfort and guidance. A non profit organization ISPOR reported in 2022 about a surge, in developed and advanced countries, in major depressive disorders. Along with it, a high suicide rate in

developed countries have been reported in recent years. Over-reliance on scientific findings, theories and advancement has deprived man from his spirituality, which ensures self-reflection and resilience. Hence, the scientific advancements may fulfill the material needs but it deteriorates spirituality.

In a similar way, scientific advancements have disrupted the emotional and mental wellbeings of a person. As illustrated, it leads to depression <sup>and</sup> anxiety when one fails to acquire all his material needs and fails to maintain his one's social status. Similarly, the advancement in internet, online social platforms in particular has alter the emotional attachments of man.

Along with it, digital devices are being responsible for causing deviation from normal. According to a research conducted by Princeton University USA, digital devices has contributed in sleep cycle disruption. Also, the short attention span and hightened anxiety in young adults is a gift of such devices. Thus, it is another way how science is making men poor in themselves.

At the same time, man is losing intrinsic values of relationships. Be it his emotional, social or cultural relations man is losing their actual worth.

Increase in self-isolation, secularism and dating apps are changing his social, cultural and personal relations respectively. In recent years a surge in dating apps, after the social apps, is its stark evidence. Personal, emotional relations, healthy, long-term in previous years, are now become more meaningless and petty. Surge in new terms and phenomena, like situationships, benching and fling, shows how much have these relations have lost ~~its~~ <sup>their</sup> intrinsic values. Thus, owing to advanced technology <sup>and</sup> devices of science even <sup>sacred</sup> relationships of man are not safe from deformation.

In order to, multiply the gains of science and reduce its negative effect on man's sense of being, there is a dire need to restore balance among themselves. Ethical science and human values must align in order to achieve perpetual advancements. There are multiple proactive and retroactive way-forwards and retroactive policies <sup>to achieve this balance.</sup> a few of them are mentioned in following paragraphs.

Firstly, there is a dire need to include sustainable and ethical practices in science. Only sustainable practices will ensure a safe environment for future generations. A shift in energy sector is now the only option to revert environment degradation. Inclusion of green energy and practices for conservation of

non-renewable resources can ensure a positive advancement. Similarly, ethical advancements will ensure the trust of the majority of people. In this way, a sustainable and ethical advancements can be made.

In addition, re-emphasizing of human centred values is an acute need. Empathy and morality is among such human values that need to be kept ~~in~~ aligned with the advancements. The threats felt by AI and other bio-engineering <sup>advances</sup> can be reduced if ethical rules are set in such advancement.

In these two years many countries have developed rules for the use of AI. Even the developers of this technology are organizing awareness conferences to ensure integration of ethics and morality. Still, a continuous and inclusive strategy must be initiated to allow man to use these advancements without any threat.

Last but not the least, it must be made compulsory to encourage a balance between science and nature. Post-industrial revolution, a stark difference in temperature is noted. As per United Nation general secretary, world has now entered into global boiling. All the exploitations done for past fifty to seventy years are now resulting into g'urban floods, glaciers melting, increase in sea level and

weather disruption. That is why, a strong connection with nature must be promoted now. Organic and farm life is a much needed direction now. <sup>It can</sup> Not only <sup>it</sup> can it ensure food security but <sup>also</sup> it can also reverse, though slowly, the exploitation of environment. Thus, a timely initiative to encourage balance is needed.

In a nutshell, science has added many jewels to the life of man by providing him material necessities, but it has denuded man from nature, his society and most importantly from his morality, imaginations and spirituality. On one hand, where scientific advancements in technological, medical, social, infrastructural and economical level has made man ascend in sphere of life it has deteriorated his connections from himself, his culture and his wellbeing. In order to satisfy his material need man's inner self is still struggling to complete the puzzle of his being. In order to grapple the missing pieces of this puzzle a balance between science, nature and man's self and ideas values is needed. Only then can science and its advancements in true spirit can be recognized and utilized.