Global Science for Global Wellbeing

Global Science for Global Wellbeing is a critical theme that highlights the importance of scientific collaboration and cooperation to enhance the well-being of the global community. Science and technology have played a crucial role in addressing the world's most pressing challenges, like the climate change, pandemics, poverty, and inequality.

Scientific research and innovation must transcend geographical and political boundaries to create a world that is sustainable, inclusive and prosperous for all. To achieve this goal, countries need to invest in science education, foster international partnerships, research, and development and collaborations.

Global science must prioritize the needs of the most vulnerable populations, who are often excluded from access to healthcare, education, and technology. This includes promoting equitable distribution of resources, enhancing capacity building in developing countries, and supporting research that addresses global health issues

In conclusion, Global Science for Global Wellbeing is a call to action for policymakers, researchers, and the scientific community to work together to achieve sustainable development and enhance well-being of people and the planet. Through collective efforts, we can build a better future for all.

Subhankar Acharya,
CSE-AI/ML, 1st Year

Writer's Section

Global Science for a Prosperous world

Let's embark on a journey, to explore and discover the mysteries of the world, and all it has to offer Science is the key, to unlock the door
To a brighter future, for us all to explore

From the depths of the oceans, to the vastness of space there's so much to discover, and so much to embrace we must work together, hand in hand
To ensure that our knowledge, benefits every land

We can find solutions, to the challenges we face
We can make the world better, for the entire human race by sharing our findings, and collaborating as one
We can achieve so much, and get the job done

Let's use our knowledge, to fight disease and hunger
To create a sustainable world, where all prosper we can must be bold and brave, and never give up
For the future of our planet, we must rise up

So let's celebrate science, and all that it can do
For the betterment of humanity, and the world and
Together we can create, a brighter future for all with global science for global wellbeing, we can stand tall.

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Vivek Majumder
CSE, 1st Year

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Metaverse In Health Care

Metaverse is a new technology still under development by Meta (formerly known as Facebook). Metaverse is a virtual environment with huge potential application in healthcare industry. Metaverse consist of artificial Intelligent , Virtual reality (VR) technology, Blockchain Internet of things (IOT), 3D modelling which allows users to interact with digital products.

Metaverse could be the new approach to deliver high quality healthcare facilities for treatment of patients. Combination of these highly advanced technologies allows individual and hyper focused patient care.

Segments of Metaverse are already being used by many professional medical experts. It's already playing a huge role in healthcare. The uses of Virtual Reality (VR) can be seen in medical education for betterment of understanding for the students, also the application of Augmented Reality (AR) can be seen in surgeries.

It's not unknown to us that Metaverse can bring a revolutionary change to the healthcare and impact it in a beneficial way in coming future, which will make healthcare more advanced and economic for the users and also help medical experts interact with the patients more fluidly.

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Subhajit Basak
CSE, 1st Year

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Come! Join Hands Together.

No wonder, the earth is seventy one percent covered by the water
Maybe every second it cries
Maybe the giant seas and oceans are nothing but the tearful eyes,
For there are mothers who are weak
There are children born sick
But with technology in agriculture
We can have ever green fields,
Nutritious crop yields

When schools began to close, Pandemic arose
Education yet bloomed via virtual classroom
Science is the savior, you see
Science is all we need to make our Earth happy
So, let us join hands and sing
The song for global science and global wellbeing?

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Swati Pandey
CSE, 1st Year

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Blockchain

Blockchain is a distributed ledger that's completely open to anyone. They have an intriguing property. Once some data has been recorded inside a blockchain, it becomes really challenging to change it.

Each block contains some data, the hash of the block and the hash of a former block. The data that's stored inside a block depends on the type of blockchain. The hash identifies a block and all of its content. Changing anything inside a block will in turn change the hash.

Blockchains have a mechanism called proof-of-work that slows down the creation of new blocks. This makes it veritably difficult to tamper with blocks. Recalculation of the hash would need to be done, if one block is tampered tampered,. In this way, the security of the blockchain comes from its creative use of hashing and the proof-of-work mechanism.

Blockchains are also constantly evolving. One of the most recent developments is the creation of smart contracts These contracts are simple programs that are stored on the blockchain and can be used to automatically exchange coins on certain conditions.

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Solanki Sarkar
CSE, 1st year

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The Role of Global Science In Global Well-Being

"Everything is theoretically impossible until it is done"- these words by Robert A Heinlein ignites the zeal within us to explore and dig deeper into the realm of science. We, the younger generation, being the backbone of the nation are solely entrusted with the responsibility of advancing our country in the field of new technologies and innovations that would collectively contribute to the betterment of the world we live in.

Global science for global wellbeing is the theme that is selected this year on the occasion of National Science Talking about it, it means that the scientific works and discoveries from all over the world should significantly solve major Global threats. It also aims to make our life easier by advancements in the field of communication transportation and in almost every sphere of our life.

One of the most important applications of science ever is artificial intelligence—the idea of Robots being able to act or work like us,infact, even surpassing human capacity is indeed fascinating and that could help make our life faster and smooth.

Medical field owes its prosperity to science—the most recent breakthrough is the discovery of Covid-19 vaccine against the deadly corona virus that was declared as pandemic. Another absolutely important research is the treatment of cancer using the CRISPR gene technology that genetically modifies T cells, altering parts of DNA making the body fight off cancer at a comparatively faster rate.

Protecting our environment and steps against climate change can be taken with some of the new inventions— there are drones that plant trees, satellites to spot methane leaks and plug them, an enzyme found in Japan that can break down plastics.

These were just a few of the inventions that drastically changed human life for the greater good. Science is and will be the ultimate truth striving to improve the quality of life. For this, we the young minds should work enthusiastically as Karl Marx said, " There is no royal road to science, and only those who do not dread the fatiguing climb of its steep paths have a chance of gaining its luminous summits."

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Madhurya Naha
CSE, 1st Yr

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Writer's Section
Science Behind Religion

Science and religion have an incompatible relationship. Although they never seem to cross paths, there are times when religious rituals are indeed aided by scientific explanations.So, let's understand the dynamic between science and religion and how both of them are interconnected at times.

It is widely believed that the Vedas are the base of modern science. The Vedic texts proves that most of the theories of modern science were actually deduced in the Vedic era long ago.For example,one Hindu Mantra reads as "With deep respect I bow to the sun who travels 2202 yojanas in half a nimesha" The calculation is 299000 km/s which is very close to the scientifically accepted value.Also, many Hindu rituals have scientific reasons behind it. For example, the'Yagna' or fire ritual kills harmful microbes thereby, purifying the nature. Buddhism is also widely believed to be scientific. D.T. Suzuki has said that the Buddhist view of karma can be seen as "an application of the theory of conservation of energy ".Science has also provided reasons for Islamic rituals. By offering 'Takbir' in the beginning of 'Salat', a person moves his hand and shoulder muscles thereby increasing blood flow towards torso. Similarly, there are various other fields where science has served as the base of religious activities.

Therefore, religious practices indeed have their scientific roots. It shall also be noted that in order to avoid superstitious religious malpractice everyone should be educated in the field of science. If both of them co-exist together, the society shall live in peace.

SomDutta Nag
CSE,1st Yr

Photographer's Gallery

Pandora Club Opening

National Science Day

Designed By:-
Swarnadeep Saha Poddar,Prerana Dutta
Urbi Goswami.,Arnav Biswas,Amrit Bakshi