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Sustainable Development Goals: Initiatives, Execution and Challenges

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The Role of Physics in Sustainable Development

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Abstract:

Physics generates fundamental knowledge needed for the future technological advances, objects, knowledge, developers, uses and the world view the behalf about things and the values of things, that will continue to drive the economic engines of the world. Physics contributes to the technological infrastructure and provides trained personnel needed to take advantage of scientific discoveries.

Introductions:-

To overcome, The concept of sustainability has grown from an initial focus on environmental aspects to include first economic and then broader social and political dimensions. Economic development that is conducted without depletion of natural resources and inter-national policies should support sustainable development and is organizing principle for meeting human development goals while simultaneously the ability of natural systems to provide the natural resources and ecosystems services on which the economy and society dependent.

[Environmental degradation, depletion of natural resources, pollutions of water bodies look of proper waste management and the destroying health level of people promoted many nations to comeout with legal fram works to the environment at all levels. An important feature of this research centres on how social organization contains human relationships with nature but also how social organization are shaped by nature.

The Main Theme

Physics seeks to find alternative solutions to the energy crisis experienced by both first world and developing nations. As physics helps the fields of engineering, biochemistry and computer science, professionals and scientists develop new ways of harnessing pre-exist energy sources, and utilizing new ones. This energy transition is ultimately connected with the concept of sustainable development which was defined by:

1. United nations Brundt land commission (in 1987)
2. As development which meets the needs of present without compromising the ability of future generations to meet their own needs - 27 april 2017
3. The running head use of physics in daily activities that involves the study of forces and their interactions with the environment - 20 jan 2017
4. Theory of relativity applications in real world in introduction one of mystery of MUONS created in upper atmosphere - 07 feb 2017
5. Physics is a science that deals with the study nature of basic things poverty and the degradation of environment that face the human race - 10 jan 2014
6. The policy decisions and management practices technology- energy -efficient methanol powered (fuel cell) car - 24 mar 2012
7. Sustainable development as development that meets the needs of the present without compromising the ability of nature generations to meet their own needs (United Nation General Assembly 1987 P-43)
8. The concept of sustainable development was first framed in United Nation conference of Herman development in the year 1972 at stockholm

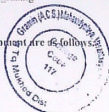
Physics also provides a basis for understanding the dynamics interaction between the atmospheric and the oceans and for the study of short term weather and long term climate change much of physics in the study of energy lies at the heart of important environmental issues and is broad with many areas of specialization including environmental physicists apply. It is the principle of fulfilling human need while sustainability the natural system in this way human needs a living condition without damaging the natural resources. Now this concept focus on social development and protection of environment.

Mainly the term sustainable is broadly used to indicates programs initiatives and action, aims at the presentation of a particular resource however it acutly depends on the four disting areas 1 Human, 2.Social, 3 Economic 4 Environmental

The world needs secure resources of food and energy

1. Maintenance of genetic diversity

2. Combating soil degradation
3. Controlling deforestation and over grazing
4. Arresting the spread of deserts
5. Abating environmental pollution



The principles of sustainable development are as follows:

1. Conservation of ecosystem
2. Development of sustainable society
3. Conservation of biodiversity
4. Control of population growth
5. Development of human resources
6. Promotion of public participation

Applications of environmental physics : Careers open to those with the environmental physics options include technical positions related to remote sensing, air quality monitoring and control atmospheric modeling and the study of climate and weather. Sustainable development goals in physics: The goals (SDGS) to transform our world 1. No poverty 2. Zero hunger 3. Good health and well being 4. Quality education 5. Gender equality 6. Clean water and sanitation 7. Affordable and clean energy 8. Decent work and economic growth etc

Conclusion

Physics also provides a basis for understanding the dynamic interaction sustainability in physics concepts to topics applicable to the real world and our interest to students. Sustainability issues are in fervently interdisciplinary. This great way to link standard physics concept to topic applicable to the real world and of interest to student. On sustainability goal to a healthy environments economic profitability, social economic equality for every person play a role in ensuring a system. There are many people working in sustainable system and collection of practices and process of negotiation a push and pull between the competing interests of individual. Every aspect of a development projects must have environmental outlook. On the whole for sustainable development we need a holistic approach to have on environment for everyone to be happy today and tomorrow.

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