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Environmental conscientiousness: Position of higher educational institute (HEI) in undertaking inventiveness

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Abstract

Universities and Higher Education Institutions are primarily agents of change to achieve environment sustainability both within college campuses and beyond campuses in communities at large. There are numerous international organizations viz. GHESP, AASHE etc. Many nations have their own university sustainability organizations and many generalist university organizations include sustainability interest groups or activity streams. Government policies and international organizations have time and again marked the roles and responsibilities of HEI in promoting greater environmental responsibility. The Higher Education Sustainability Initiative aims to get institutions of higher education to commit to teach sustainable development concepts, encourage research on sustainable development issues, green their campuses, and support sustainability efforts in their communities and also to look into challenges of current times so we can build model sustainable universities, as the aim is to encourage and promote the contribution of universities to the overall sustainability of the planet. This paper attempts to review and analyse the initiatives of various institutions of higher education to promote sustainability and focuses on overcoming the challenges and also devising ways and means of achieving it.

Keywords: Sustainability, environment, international organization, models sustainable university, challenges

Introduction

Colleges and Universities have long been recognized as agents of change – catalyst for social and political action as well as centers of learning. Universities not only educate most of the world's leaders, decision-makers and teachers in enhancing the boundaries of knowledge, but also as major employers and consumers of goods and services, they play a significant economic role nationally and globally.

Universities are expected to be the innovation centers for sustainable development through teaching and learning, research and knowledge transmission thus the educational role does not end with undergraduate and postgraduate learning, conducting examinations and evaluations.

We cannot have a sustainable world where universities promote un-sustainability^[12]; on the other hand, the sustainable university can help catalyze a more sustainable world.

A “fully mature” approach to university sustainability may be summarized as “one in which the activities of a university are ecologically sound, socially and culturally just and economically viable”^[1].

Roles and Responsibilities of HEI to achieve environment sustainability

- Provide information to students and stakeholders about probable environmental threats of products and services.
- Bond with industry-wide efforts to share knowledge and deal with issues, in particular production processes and products around which a high level of uncertainty and sensitivity exist.
- Ascertain sustainable production and consumption programs with lucid performance objectives to take the organization beyond fulfillment in the long-term.
- Begin institutional policy on the use of environmentally sound technologies.

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- Compute, track and correspond progress in incorporating sustainability principles into institutional practices.
- Share and disseminate information illustrating the payback of using clean technologies.
- Use life-cycle assessments (LCA) in the development of new technologies and products [2].

International and regional associations for Sustainability in Higher Education

There are numerous associations which are existing at world level on the issue of Sustainability in Higher Education. Few of the eminent associations are, Global Higher Education for Sustainability Partnership (GHESP), an association with a well-manufactured guarantee to making maintainability a noteworthy center of advanced education, the University Leaders for a Sustainable Future, Copernicus Campus and UNESCO – consolidate powers in a one of a kind push to assemble colleges and advanced education establishments to bolster economical improvement in light of Chapter 36 of Agenda 21; University Leaders for a Sustainable Future (ULSF), their rationale is to bolster supportability as a basic center of instructing, examination, operations and effort at schools and colleges worldwide through distributions, exploration, and evaluation; Association for the Advancement of Sustainability in Higher Education, (AASHE), is serving to make a brighter eventual fate of prospect for all by propelling manageability in advanced education. By making a various group occupied with sharing thoughts and promising practices, AASHE gives overseers, personnel, staff and understudies, and also the business that serve them, with: thought authority and vital learning resources; Global University Network for Innovation (GUNI), is the Global University Network for Innovation and is made of the UNESCO Chairs in Higher Education, advanced education establishments. A total of 179 foundations from 68 nations are GUNI individuals; International Sustainable Campus Network (ISCN), is giving a worldwide discussion to bolster driving schools, colleges, and corporate grounds in the trading of data, thoughts, and best practices for accomplishing manageable grounds operations and incorporating supportability in examination and educating. It additionally supports a semiannual symposium, meetings, a few standing boards of trustees, has added to a contract that more than 20 world driving colleges have embraced, and is devoted to building an exhibition of exceptional ventures that showcase magnificence and initiative from all mainlands [2].

Finest Examples

Student Environmental Action Coalition (SEAC),

The largest student environmental group in North America - Student Environmental Action Coalition (SEAC), shaped in 1988 by students at the University of North Carolina at Chapel Hill. SEAC is both a high level organization and grassroots network that functions as an information clearinghouse and a training center for student leaders. It has currently grown to more than 30,000 members in some 500 campus environmental groups. Member groups undertake a varied spectrum of activities ranging from recycling promotion to challenging protests of government or industrial projects. National conferences are being organized regularly by them for deciding future plans. Public Interest Research Groups, (PIRG), this gathering is dynamic on most

grounds in the United States. While not concentrated only on nature, the PIRGs, more often exclude ecological issues in their needs for exploration. This gathering is best case of acquainting natural worries with nearby gathering in the event that they are not officially taking a shot at issues of significance. Thinking that -You are not the only one is the force behind PIRG. Others share their worries and need to work with them to realize transform; they simply need to discover them. The vision of this gathering is – force is in cooperation

Why Universities can serve as a vehicle for change

Higher educational institute can be wellsprings of data and experimentation in practical living. They have nature and ability to make sense of how to do new things, and they have understudies who have the vitality and eagerness to do a great part of the exploration, and for whom that revelation will be an important learning background.

In Colleges, understudies have embraced grounds reviews to look at water and vitality use. Waste creation and transfer, paper utilization, reusing, purchasing privately delivered sustenance, and numerous different cases of economical asset utilization.

Most of new Building of higher educational institute is the models for sustainability research and development, since new building guidelines are followed.

Model ‘sustainable university’

Economists usually are familiar with four distinct “capitals” [9-11] which are necessary to support the real, human welfare producing economy:

1. Natural (the area, ocean, air and biological systems from which the human economy determines its materials and vitality and to which it at last returns its squanders);
2. Built (structures and urban communities, the physical foundation which delivers monetary yields and the human ancient rarities in this way acquired);
3. Human (the wellbeing, aptitudes, learning and estimations of the human populace); and
4. Social (the web of formal and casual interpersonal associations and institutional plans which encourage human connections).

At the level of advanced education Institutes, Probability of triple fulfillment of monetary, ecological and social objectives appears to be testing. The primary concern alludes to fulfillment of not only the recognized main concern of meeting monetary objectives (benefits) additionally the need to now at the same time meet ecological and social objectives (or "primary concerns") in completing their business.

HEI intentionally picking the way of natural morals would epitomize the accompanying standards:

1. Clear explanation and mix of social, moral and natural obligation in the organization's vision, mission and administration;
2. Integration of social, monetary and natural manageability over the educational programs, duty to basic frameworks speculation and interdisciplinarity, supportability proficiency communicated as a general graduate quality;

3. Dedicated exploration on maintainability subjects and thought of "fourfold primary concern" manageability viewpoints in all other examination;
4. Outreach and administration to the more extensive group, incorporating associations with schools, government, non-legislative associations and industry;
5. Campus arranging, outline and improvement organized and figured out how to accomplish and surpass zero net carbon/water/waste, to end up a regenerative association inside of the setting of the nearby bioregion;
6. Physical operations and upkeep concentrated on supporting and empowering "past zero" natural objectives, including successful checking, reporting and consistent change;
7. Policies and practices which cultivate value, differences and personal satisfaction for understudies, staff, and the more extensive group inside of which the college is based;

Challenges

Colleges are perplexing, multi-faceted elements with assorted authoritative subcultures, customs and concerns [6], and the short lived nature of college life for the heft of the grounds group can mean the genuine effects of the establishment stay unacknowledged [3].

Universities are short of the incentive structures necessary to promote changes at the individual level [4].

Colleges are situated in an ocean of contending and communicating social procedures whereby choices on development and heading are frequently made outside the quick institutional group [5].

In some cases inability to create fitting execution measures restricts direct criticism on the advantages of supportability activities – the natural, social and money related estimation of accomplishments is not comprehended or advanced [6-8].

Two shared factors over these very much perceived dangers and difficulties are absence of responsibility by college initiative, and absence of mindfulness and engagement of staff and understudies.

In talking about the issues, dangers and difficulties of college supportability it is useful to independently survey the "triple primary concern" measurements of environment, economy and society/society, perceiving both their between connections, and the pivotal part of the fourth "main concern" – administration – over these three measurement.

References

1. Bekessy S *et al.* Universities and Sustainability, in TELA: Environment, economy and society, D. Yencken, Editor. Australian Conservation Foundation: Melbourne, 2003.
2. A practical guide to the United Nations Global Compact for Higher Education Institutions, 2009, 15.
3. Flint K. Institutional ecological footprint analysis: A case study of the University of Newcastle, Australia. *International Journal of Sustainability in Higher Education*, 2001; 2(1):48-62.
4. Ferrer-Balas D *et al.* An international comparative analysis of sustainability transformation across seven universities. *International Journal of Sustainability in Higher Education*, 2008; 9(3):215-316.
5. Koester RJ, Eflin J, Vann J. Greening of the campus: a whole-systems approach. *Journal of Cleaner Production*, 2006; 14:769-779.

6. Levy JI, Dilwali KM. Economic incentives for sustainable resource consumption at a large university: Past performance and future considerations. *International Journal of Sustainability in Higher Education*. 2000; 1(3):252-266.
7. Christensen P *et al.* Sustainable development: Assessing the gap between preaching and practice at Aalborg University. *International Journal of Sustainability in Higher Education*, 2009; 10(1):4-20.
8. Spellerberg IF, Buchan GD, Englefield R. Need a university adopt a formal environmental management system, Progress without an EMS at a small university. *International Journal of Sustainability in Higher Education*. 2004; 5(2):125-132.
9. Meadows D. Indicators and information systems for sustainable development: A report to the Balaton Group. The Sustainability Institute: Vermont, 1998.
10. Costanza R *et al.* An Introduction to Ecological Economics. Boca Raton, FL: St Lucie Press, 1997.
11. Costanza R *et al.* Quality of life: An approach integrating opportunities, human needs, and subjective wellbeing. *Ecological Economics*, 2007; 61(267-276).
12. M'Gonigle M, Starke J, Planet U. *sustaining the world, reinventing the university*. Canada: New Society Publishers, 2006.