

EMERGING TECHNOLOGIES FOR SUSTAINABLE TRAINING: ENTREPRENEUR, ENVIRONMENTAL AND EDUCATION (3E'S)

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Abstract

The economy prosperity and development lead to disruption of the dynamic balance of the development. The technologies play a crucial role in ameliorating many of the sustainability challenges facing humanity, since sustainable development has been presented for a long period of time but it has not been able to bring about a substainable changes in our society. Sustainability in our daily living and to keep pushing for a sustainable society. Meanwhile, technologies that are completely eco-friendly needed persuasive. Human society to address, environment and development issues and risks differ according to context, cultural, skills and pattern of environment changes, this strategy recognise the need for appropriate education to enhanced the environmental management capabilities. The environmental education and training include related to wide variety of technology that effect environment, industries waste, healthcare, pollution control, mitigation, climate changes etc., issues that affect and are affected by human activities and natural phenomena.

The UNEP policies and strategies work as the primary steps for social change towards sustainable development in the future towards to support a holistic approach to protecting the environment and improving people's quality of life. This means; environmental education as a continuous lifelong learning, that emphasis the complexity of environmental issues and resolve the use of different innovative education approaches. Working towards sustainable development is the responsibility of every human being; this makes environmental education important for everyone.

Keywords - Sustainable, Technology, Environment, Strategy, Development.

1.0 Introduction

Development in emerging technology and the introduction of the philosophy of sustainable development have led to significant changes in theory and practices of preservation of environmental changes; it is unfortunate that the socio-economics' prosperity and development leads to disruption of the dynamic balance of the environment. The philosophy behind sustainable development has been presented for a long period of time but it has not been able to bring about a sustainable change in our society due to lack of knowledge and unawareness about unforeseen damages and obstruction related to environment. The transformation of this philosophical goal SDGs into a practical reality seems to be far away—at least in the foreseeable future. The revolution taking place is for us to incorporate "sustainability" on our daily living and to pushing for a sustainable society. Meanwhile, we also need scientist to work on technologies that would leads us to that goal of future at environmentally friendly technology," revolution of Green Technology" and government initiatives or ideas provides such platform to change green environment friendly socio-economics development.

The "Green" concept has been moderately accepted by the public thereby strongly promoting eco-friendly business ideas forms and social innovation. As environmental awareness the concept of green market has just emerged. Since India is developing rapidly, concerns relating to environmental protection have risen a biggest priority. Environmental

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problems, unfulfilled social needs and financial crisis have increasely influenced the natural eco-system and society thus, the contradiction between economic development and ecological protection has been formed thereby negatively affecting sustainable development. In this sense, the companies have been forced to place a greater emphasis on environmental issues because of having to make eco-friendly products for businesses to benefits from new concept emergence of the green market; the businesses need to emphasizes environmental and societal goals as opposed to only economic benefits. Most researchers think the green marks brings about the economic and environmental improvement. Moreover, to demonstrate the continuation caused by numerous industries government, non-profit groups, and for-profit companies a wide variety of policies, regulations and instruments are in place to encourage firms to more environmentally responsible.

According to "Johnson and Horisch" conceive this type of entrepreneurship as a process to achieve sustainable development by discovering, evaluating, and utilizing opportunities and creative value that brings about economic prosperity, social solidarity, and environmental conservation.

Benefits of EE (Environmental Education) for Entrepreneurs

- 1. Entrepreneurial self-innovative efficacy: Is to create better condition for people both locally and globally, people need to be self-innovative is the process of developing and deploying effective solutions to challenging and often systematic social and environmental issues in support of social progress.
- 2. Environmental Awareness: environmental awareness includes both formal and informal education and training that increase human capacity and capability to participate in environmental management and in solving environmental effects and challenges. An effective role of environmental awareness to awake public in creating healthy and suitable environment for the development and maintained of human minds.it balanced individual between his vital needs and the natural environment that provides spiritual, aesthetical, and ethical sources for all communities.
- 3. Ecological Consumptions: it means the use of natural resources for the purpose of production of goods and services. It can also refer to the amount of energy and materials that are extracted from natural resources and then released into the environment as waste. Ecological footprint is a measure of how much land and water is required to produce the resources and consumed or absorb waste product. Sustainable Consumption is a pattern that minimize the use of natural resources and toxic materials it also aims and to reduce waste and emission.

1.1 Objectives of the Study

- 1. To study the emerging trends of technologies and social innovation.
- 2. To study entrepreneurs and environmental sustainability though training process.
- 3. Green entrepreneurship and sustainable socio-economic development
- 4. Effect of environmental education and public awareness

1.2 Research Methodology

The research study is a descriptive and theoretical. study is based on secondary data from various research papers, reports, books, journals, company's websites, Government scheme and online data bases.



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2.0 Literature Review

2.1 The Evolution of Environmental Education

The concept of the environmental education became accepted in few countries of the world and environmental education programmes were developed by the early 70's when scientists and political and educational leaders began to recognize the increasing environmental problems. The local and national movement became international and global efforts in environmental education when the "United Nations Conference on the Human Environment" was held in Stockholm in (1972). Recommendation of the conference led to the creation of the International Environmental Education Programme (IEEP) as a project of the UNESCO-United Nations Environmental Programme (UNEP) in (1975). This was followed by Intergovernmental Conference on Environmental Education in Tbilisi, Georgia, USSR, in (1977). In Tbilisi Conference and under the auspices of IEEP, global environmental education adopted a disciplinary structure and direction. The Declaration and recommendations of the Tbilisi Conference created a landmark beginning for International Environmental Education and established the objectives and pedagogical principles and broad guidelines for developing environmental education nationally and internationally (UNESCO-UNEP, 1978).[1] Environmental entrepreneurship education aims to produce entrepreneurs who pay attention to environmental aspects. What does it mean to be environmentally sound? This means a healthy environment, healthy food, a healthy body. Holistically seeing the environment has a positive impact on socio-economic changes. The role of entrepreneurship education based on environmental insight is both a challenge and an opportunity. This paper focuses on health and environmental aspects. The role of online digital in online learning supports Entrepreneurship education. The curriculum promotes entrepreneurship with character. The competence of lecturers to apply environmentally friendly entrepreneurship education. Government policy to help new businesses during the COVID-19 pandemic. All of this aims to assist the government in economic recovery.[2] sustainable development through the achievement of the Sustainable Development Goals (SDGs) of The 2030 Agenda for Sustainable Development, authors such as Fischer et al. (2018) or Argade et al. (2021) uphold the role of entrepreneurship as an agent of change of such sustainable development. Specialised literature has certainly taken on the role that entrepreneurship plays in the economy as a generator of wealth and employment, (Barba-Sánchez et al., 2022). However, it is not considered to be of major importance in the achievement of SDGs, except when we focus on a very specific type of entrepreneurship, the so-called social entrepreneurship.

Nevertheless, according to Wagner (2012), the individuals focused on sustainable development and environmental conservation also tend to act in accordance with their values. Therefore, it is to be expected that any venture that they undertake will be sustainable (Peng et al., 2021). Furthermore, according to Cho et al. (2013), individuals with a high environmental awareness have a positive attitude towards the purchase of organic products as well. However, this attitude does not always lead to an effective behaviour, giving rise to "the attitude-behavior gap" phenomenon (Wiederhold & Martinez, 2018). In this respect, the second contribution of this work is to analyse whether the habits of purchasing organic products, which denote an environmentally responsible behaviour, mediate the relationship between environmental awareness and entrepreneurial intention.[3] UNESCO-UNEP (1978) environmental education is to make the individual acquire logical vision about the local and international societies and encourage him to participate in resolution of environmental problems through:- Awareness- to help individuals and social groups acquire an awareness

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and sensitivity to the environment and its allied problems. Knowledge: to help them gain a variety of experience in, and acquire a basic understanding of the environment and its associated problems. Attitudes: to help them acquire a set of values and feelings of concern for the environment, and the motivation for the actively participating in environmental improvement and protection. Skills: to help them acquire the skills for identifying and solving. Participation: to provide individuals and social groups with an opportunity to be actively involved at all levels in working towards resolution and environmental problems.[4]

2.2 Environmental Education in India

In 2020, India passed the National education Policy (NEP) through the policy, the government successfully incorporated initiatives to ensure that students receive a comprehensive education that increases environmental awareness and encourages practical action. It actively engages with the real world of environmental challenges. The policy aims to redirect school curriculum with ecological principles, resource management and sustainable practice to increase knowledge and skills to become conscientious directing of the planets laying the foundation for an environmental.

2.3 Emerging trends of technology and social innovation

India is well centre path on the global platform due to economy booming and significant development of technology. India is the world's most populated country with over 1.5 billion people and is the world's 7th largest country in terms of area. It has a unique geographical and human diversity with a multilingual and multi ethic society and world's largest democracy. Social innovation can help bridge between the technology gap in India. The biggest challenges facing India related to poverty alleviation issues; low level of education, poor health outcomes, climate change, and limited access to input to improve the livehoods. The new personal sector that includes individual's entrepreneurship, micro enterprises, and micro financing. These sectors capitalise on the capabilities of digital and mobile technologies the SDGs reflect much of Indian development agenda. social innovators the private sectors and the government emerge as pivotal players.

Some of the remarkable projects relating to social innovation in India.

- 1. Project Listen-Up: Sohum Innovation labs India Pvt. Ltd. Develop a low-cost hardware cum software solution. The statistics reveals that 800,000 hearing impaired babies born globally each year, a striking 100,000 are Indian due to lack of resources case of hearing impairment in new born go undiagnosed for expensive screening equipment and procedures.
- 2. Aditya: India's first solar ferry was built by NaValt Solar and Electric Boats for Kerala state water transport department. The ferry commercially viable mode of transport powered by solar energy in India. 80% of its energy requirement met through solar. The seating capacity of 75 passenger.
- 3. Under the mango Tree: In Inda 84% of farmer are small and marginal owing less than 2% hectares of land. These farmers practise rain-fed subsistence agriculture that provides only a low income due to market access and lack of employment opportunities. Under the mango tree creates hybrid social enterprise that promotes beekeeping to increase agricultural productivity and provide market access to enhance income and improve the livehoods of marginal farmers.

2.4 Entrepreneurs and Environmental sustainability though Training

It considers the environmental factors in their business practices the training helps entrepreneur create sustainable venture to benefits society and the environment. Sustainable



entrepreneurship involves bringing sustainability ideas to market and to improve people lives and benefited to society. Ecological focuses on the environment efficiency of housing, water management, waste management, health and safety and industrial production.

2.5 Green Entrepreneur and Sustainable Development

Green entrepreneurship adopted environmental management practices or clean production processes and new enterprises based on natural and ecological resources and thus can be labelled as green entrepreneurship entities [3]. Both require highly green-skilled and experienced professionals. However, developing and developed countries should likewise face the lack of highly green-skilled and experienced professionals, which constitute a constraint on green economy, and such a situation has not significantly improved since 2011 [1]. Developing countries have been challenged by the lack of professionals and a shortage of university graduates in general, particularly those trained in science, technology, engineering, and mathematics (STEM) skills. In the context of increased economic and technological development due to increased economic growth, environmental degradation has been confirmed by researches in social, political, and economic knowledge domains. The scientific consensus on environmental changes, particularly from anthropogenic causes such as high emissions of greenhouse gases, unsustainable consumption patterns, and lifestyle, has raised the environmental concerns among social and business networks. Several industries have incorporated research, which is often supported by institutions, to increase technological innovation, including new sustainable materials, green supply chain, circular economic models, low carbon product procedures, digitalization for waste management, electrification of passenger, and light-duty vehicles, thereby countering these concerns and improving social conditions.

3.0 Conclusions

The study constructs a new persuasive direction of our collective commitment to sustainability. The is grappling with unprecedented environmental challenges such as environmental, resource depletion and bio diversity loss. Environmental education can implant, incentives and goals and build skills which change the human behaviour and attitude and call for participation and rection with the environment. Environmental education fills the gaps starting from preschool level to higher education and including the public awareness at the local level. Trending technologies-based entrepreneurship awareness through social media nobly goals that reflect the values of the entrepreneurial spirit.

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