SUSTAINABLE DEVELOPMENT IN EDUCATION SECTOR FROM THE DIGITAL LEARNING AND COMMUNICATION PERSPECTIVE

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Abstract

The idea of education for sustainable development is one that is constantly evolving with the end goal in mind. It is of the utmost importance that people of all ages be equipped with the knowledge, skills, points of view, and values that will enable them to work toward a more sustainable future. The ultimate goal of the study is to develop a model of online education that is applicable across the board. This model will have seven stages of increasingly sophisticated personal and professional development, and it will be conceptually linked to a strategy for self-regulation. When it comes to approach, the idea of niche construction serves as the primary focal point in the process of developing such a model. It is possible to accept as true the premise that an individual is actively engaged in the processes of self-learning and self-development while being subjected to the selective pressures of the educational setting when this concept is applied. In order to accomplish this, the individual needs to demonstrate that they have an evolutionary drive by actively participating in the training process and adjusting to the interactive nature of the niche. Only then will they be successful in accomplishing this goal. This study examines the potential for long-term growth in the educational industry by focusing on the role that online education and communication play as the central aspect of the topic under investigation.

Keywords

Education, sustainable development, e-learning, students

1. Introduction

The SDGH provide a novel and all-encompassing strategy to achieving sustainability by concentrating on the improvement of social, environmental, and economic situations [1]. It is important to emphasize the significance of education as a strategy for accomplishing the Sustainable Development Goals [2]. The socialization principle of participation is given a lot

of weight in consideration while talking about sustainable development. This is due to the fact that involvement is vital to the process of sustainable development. It operates under the presumption that increasing the level of participation of citizens in the planning and decision-making processes will result in an increase in the likelihood that these processes will be successful. It possible that enhanced planning processes for ecologically sustainable growth might be made possible with increased transparency regarding decision-making and a deeper level of social commitment as a prerequisite. The relevance of this rule can be traced back to the presumptions listed in [3] as follows:

- The ecological, sociocultural, economic, institutional, and geographical conditions that people require in order to meet their demands, including the protection of significant natural areas, are essential to development. Without these conditions, development cannot occur.

- It is essential for individuals to be able to voice their opinions and have a role in whether or not their suggestions will be incorporated into future plans for development;

- Sustainable development is primarily a normative phrase, and it is not acceptable to impose a particular model of development on people that is based on a particular set of values in the name of protecting civil liberties;

- As a consequence, procedures are required in order to learn about specific criteria and arrive at conclusions that are completely transparent regarding trade-offs and compromises.

2. Issues

The problem needs to be made public in the context of developing universal methods. Once it is integrated into the educational system, the method that is described in this study will have a direct and positive impact on the human capital and innovative capacity of the society. This is the innovative component of the study.

The primary objective of this branch of research will be to investigate the ways in which self-regulatory practices and cutting-edge technical solutions have been incorporated into e-learning models geared toward sustainable development. The idea of a niche being formed serves as the foundation for the model, together with conceptual requirements. We were able to maintain a huge number of the model components as a consequence of this, and we also arranged them into seven distinct degrees of professional development in order to make the model more simply applicable. Our goal was to make the model more user-friendly. It is

anticipated that the approach will be applicable in a wide variety of contexts. Because of this, the model will have one of its greatest strengths, which is that it will produce tools that have a very long lifespan in terms of their usefulness.

3. Models

Continual investments in the development of human resources are essential to the preservation of social order as well as the growth of national economies. Knowledge is one of the most crucial things that needs to be present in the 21st century in order for these goals to be accomplished. Evidence that this is the case may be seen in the rich, highly competitive, and long-lasting national economies that have been built by leading economic systems that have prioritized education. The current state of the global economy lends credence to the notion that the quantity of human capital available in a nation is directly proportional to that nation level of economic success.

In generally we used to characterised by theoretically-driven methodological innovation in both research and practice. This new age will be characterized by these developments. This is one of the distinguishing features of the new era that has emerged. Relationships are the primary factors that determine a person level of living, and as such, they play an important role in the progression of the human species as a whole. [Case in point:] Relationships and contexts, in conjunction with an analysis and interpretation of those components, can be important tools for establishing instructional strategies that are both effective and efficient. The processes that made it possible for people to gain knowledge about the world around them. If this is the case, then it an interesting theory to consider. Because the traditional concept of education as an exclusive club for those who have been invited is no longer practical, we need to rethink the way in which we construct our classes from the ground up [5].

As a result of the advancements that have been achieved in our understanding of the processes by which people grow and acquire knowledge, we now have a greater potential to construct instructional tactics that are more successful. In order to make the most of these advancements, however, it is necessary to integrate the insights gained from a diverse range of academic fields, such as biology and neuroscience, psychology, sociology, developmental and learning sciences, and knowledge of effective teaching strategies [6]. Only then will it be possible to make the most of the opportunities that these advancements present. Not until then will it be able to derive the greatest possible benefit from these advancements. The outcomes of this

assignment served as the primary informational resource that was utilized in the process of formulating the objectives and goals of the research project.

The ultimate goal of higher education in developed nations is to better prepare the next generation of professionals to work in their various fields of expertise. The so-called skills for the 21st century call for ongoing maintenance and improvement in light of the exponential growth in available information as well as the dramatic shifts in both the nature of work and the technologies used in the workplace. Critical thinking, problem solving, knowledge collection, analysis, synthesis, and application, interpersonal communication, the competence to function in a variety of cultural settings, as well as the capability to undertake independent research and perform autonomous assignments are all required [7]. Because of this, the information is particularly relevant to the labor market in general. As a commodity in its own right, the value of education has dropped in recent years. The requirements of the labor market and the shifts in social norms that are occurring right now should serve as the foundation for the development of new educational ideas.

4. Conclusions

The research suggests a paradigm for education that may be completed at a distance and utilized to further the cause of sustainable development. The methodology relies on integrating self-regulatory learning processes with intelligent technology in order to achieve its goals. The results of the learner self-evaluations indicate that the factors that contributed to their success in learning. In addition, the factors that contributed to the learner success in learning include: a focus on the practical competencies; a focus It is reasonable to draw the conclusion that the method of self-regulation that was utilized was successful given that each of the students was able to successfully complete the program and receive a passing grade for their efforts. On the other hand, the model of self-regulated online learning needs to be developed so that it can accommodate a one-of-a-kind online platform that is not only self-sufficient but also independent.

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