Inter-Corrective Meta-Dialogue on Constructive Impact of Trans-disciplinary Communication in Modern Education

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ABSTRACT

Learning serves as an integral part of education and links diverse disciplines to solve real-life problems worldwide. Assimilation of collaborative and integrated learning through transitionary communication forms as the pillars for the modern education system with interdisciplinary approach. This diversified approach surpasses the traditional education system with the fostering of higher creativity and enhanced problem-solving skills in the students and educators for real time concerns. It not only promotes independent and specific thinking but also combines various fields based on the cybernetic viewpoint for system-oriented solutions. Education serves as the key aspect for the global connectivity of the people at national and international levels. The medium of the instruction forms as the basis for the linkage among the people of the world. This linkage can be easily attained with the Transdisciplinary communication. The purpose of Interdisciplinary dialogue, or dialogues is to simplify the notion of education among the students of undergraduate or postgraduate level to enhance their skills for better thoughts and understanding beyond the conventional periphery of the education system. The outcome of these types of interactions opens new doors for the thinking, understanding and application for the development of new creation or product in the respective field of education. The limitation of the conventional education system works for the theoretical and only limited aspects for understanding about a particular aspect. Indeed, this narrows down the way the students are thinking on the applicability of their learning for real-time applications. Moreover, thinking should not only be focused on one aspect or one discipline but also correlate the different aspects along with disciplines to strengthen the conventional education systems. Therefore, the overall thinking and applicability of the ideas and thoughts must be independent and should be thought from a cybernetic perspective too. This discussion can be a source of motivation, learning and inspiration for the students for their understanding about the impact of education on our daily lives. The impact of transdisciplinary communication not only helps the students but also assists the academicians to improve their teaching effectiveness. This enhancement will ignite a sensation in the young minds for education and its utility in the form of design, philosophy and / or technology compliant solutions. Educational effectiveness can be measured qualitatively by the incorporation of transdisciplinary communication in education and lesson development. The students' participation is always required to analyze the effective delivery of the lessons and thoughts among them. On the one hand, the students depict the reflections and concerns regarding lessons. On the other hand, the teacher analyzes and assesses the reflections based on their own

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experience and provides a trans-disciplinary communicationbased solution to the students. These kinds of meta-dialogues with the students' participation overall improve the entire teaching learning process and enhance the effectiveness of the whole education system.

Keywords: Interdisciplinary communication, education, dialogues, learning.

1. INTRODUCTION

The Role of the interactions and dialogues among the students is enhancing day by day to strengthen the conventional education systema. This is applicable to the students on the variety of stages including first standard to the doctoral level evan. This applicability opens a new door for learning in the modern education system. This scope of discussion and collaboration leads to newer heights in the education system through collaborative learning too [1]. There is dire need for collaborative learning in the modern education systems which not only aligned the students of the different thinking and thoughts but also add the sense of teamwork into the students for collective working for a particular / assigned task. When students start working in groups, they believe that the need for collaborative thinking and working is necessary to uplift the society at the level of that state, country and continent and worlds levels too. This collaborative learning is not limited to the grouping of the students only but can open wider faces of different disciplines to serve the society at large. The enhancement for the collaborative learning to the next level is proposed through the interdisciplinary learning and education systems. Learning from the different disciplines for the students is a different experience for their growth and problemsolving skills I general and specific manner too. This interdisciplinary learning among the students enhances their skill beyond the boundaries of the conventional education systems. The better understanding and through to serve the society along with innovative problem-solving skills incorporating varies of discipline adds a sense of responsibly and strength among the students. The limitation of the convention education system is that the students hardly work for the collaborate learning. Moreover, the strong emphasis was on adopting bookish knowledge only to understand the concepts and phenomenon. These types of learning give birth to the integrated learning to strengthen the interdisciplinary communication for a specific problem. This type of communication enables the students to convey their thoughts and understanding in such a manner that it can be understood by the different ages of the people. This type of learning surely enhances the modern education system

worldwide. This is indeed mandatory for the developing nation to take their country to the next stage, i.e. developed country, worldwide.

The paper is focused on 5 sections. Section 1 deals with general introduction and transdisciplinary communication. Section 2 presents the scope and objectives of this paper. Section 3 depicts the opinions on transdisciplinary communication on education. Section 4 highlights the recommendation, discussions and conclusions have been made in section 5 respectively

2. SCOPE AND OBJECTOVES OF TRASDISPLINARY COMMUNICATION IN EDUCATION

The major aim of this paper is to focus on the existing education system worldwide and incorporate the concept of interdisciplinary communication for the better and effective learning system for the students. Through interdisciplinary communication, the students can handle the problem with different perspectives and can be easily allied with the researchers of the different disciplines. The students will surely feel themselves out the traditional boundaries of the conventional and system depended on education systems. The real time problem of the education system deals with the difference in thinking about a particular problem or aspect by the people of the different countries worldwide. This kind of concern arises due to the limitation of the conventional education system and difference in the understanding level of the students worldwide. This highlights the need for the development of a new education system which fosters better learning qualities in the students for the sustainable growth and improvement of society at large. As society's education and thinking level will be enhanced, this will directly impact on the overall growth of not only students and society of one community or country but also directly impact and improve the thinking and analysis qualities in the students. This is required for the healthy education system worldwide. Transdisciplinary communication directly impacts on the education system as it not only confers enhanced quality within the students but also improves the teaching and lesson delivery of the teacher during the classroom [2]. This can fundamentally change the way of thinking and understanding of the students irrespective of their level of education which ultimately benefits mankind and humanity to provide novel educational and learning experiences. Next section illustrates the viewpoint of the different people including students and teachers on the transdisciplinary communication.

3. TRANSDISCIPLINARY COMMUNICATION - OPINIONS, THOUGHTS AND IMPACTS ON EDUCATION

The emergence of trans-disciplinary communication opens a new door for the educationists, scientists across the globe. It not only opens novel facets but also assimilates views and opinions from the different disciplines in order to have more impact on the thoughts and real time applications [3]. The education community should jointly address the problem irrespective of the disciplines e.g. the novel idea includes the development of the content lies with the educators of the allied field and the presentation of information by the journalists. The educators should take responsibility for the content and journalists should be accountable for their presentations. The opinions and thoughts of the people in different countries vary for this approach. Here,

in India, the idea to incorporate the journalist for the presentation of the education information or data is difficult to opt for by the people at this stage. Some people think that they must only work in their own domain instead of collaborating or working for transdisciplinary communication [4]. Rather it is very difficult many times to confess to them the significance of the trans-disciplinary communications. Most of the time, it becomes difficult for people to convey in terms of trans-disciplinary communication. Many people think that this is a huge waste of the time to discuss and work for trans-disciplinary communication. On the one hand there are numerous benefits of trans-disciplinary communication to the community. These benefits include better understanding, more confidence, enhanced way of thinking, higher probability of success for a particular problem solution, integration of different areas and discipline to work under one roof and many more. These are endless and can increase as much as you think and understand about trans-disciplinary communication [5]. On the other hand, it has some dire consequences too. These include the differences in the thoughts of people at different levels. It may be possible that the person who is more educated or skilled or has vast experience has a higher probability of understanding transdisciplinary communication. Linking of the allied and different areas are the key aspects of the proposed novel solutions irrespective of the area or domain. These areas and domains can from the incorporation of transdisciplinary communication with the ability to invent innovative applications to serve society including the education sector too. This can be easily applicable to the applications dealing with the education system across society at the country and worldwide level. These applications in modern education work on technological compliant solutions [6]. These solutions eliminate the need for the factors like education, region, gender, language, geographic location etc. In transdisciplinary communication, the Internet can serve as a platform to link the wide variety of users and learners in the modern education system. But nowadays with the use of any technological product or application like the Internet, a huge number of devices connected with each other and forming a single system to deliver a class or a given or assigned task remotely. We can imagine it like a physical infrastructure is required to have a class of students in traditional education system [7-8]. Now, virtually the devices connected with each other along with the students sitting at their home to attend the class accordingly. This eliminates and limits the use of huge physical infrastructure for organizing a student's class. Here, the use of transdisciplinary communication can be applied and benefits society at large, irrespective of the number of users, location and other associated concerns [9]. There should be a centralized system which deals with the utilization of the applications in parallel and maintains the proper account and record of the same in education-based solution application. In the last decade the utility of online and internet-based education has been enhanced rapidly worldwide. The services provided with the use of internet has touched approximately all human in this dynamic and digital world. Any novel innovation in the education sector is based on the existing education system available and works for the elimination of the shortcoming associated with it. Autonomous solutions and frameworks are preferred with the fast and effective outcome in the modern education system ranging from the student's attendance to the final grading. Technology compliant solutions along with transdisciplinary communication can surely serve as benchmark with potential to revolutionaries the entire education systems worldwide. This not only includes all the factors in teaching learning process in a rigorous manner but also provides effective assessment in a simplified manner for educators. The exploratory

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analysis in this section signifies the necessity of the incorporation of transdisciplinary communication for the modern education system.

4. RECOMMENDATIONS AND DISCUSSIONS

The wide variety of perceptions and thoughts have been discussed in this paper. This reveals the significance of the interdisciplinary education system for the betterment of society and taking it the new height through newer education and learning systems. The intent of this paper is to discuss the existing views and focus on Trans-disciplinary communication-based education. As per my opinion, there is a significant need for Trans-disciplinary Communication. Irrespective of your fields or area, you should be able to understand the efforts made by educators in their research work from a trans-disciplinary communication viewpoint which should never be considered equivalent to a trans-disciplinary field. The extent of Trans-Disciplinary Communication is very dynamic and endless. The remarks based on my experience reveal the following statement.

"As much as you think on Trans-Disciplinary Communication, better you will be able to associates it with other domains".

- Dr. Vinod Kumar Verma

5. CONCLUSIONS

In this paper, the opinions and suggestion have been discussed regarding Trans-disciplinary communication and its impact on the education system and society at large. These opinions and discussions serve as a novel horizon for the general public, educators, researchers and scientists to think about future perspectives of Trans-disciplinary context. This includes the original, significant, and visionary ideas, innovations, designs, focusing on Trans-disciplinary communication for the allied fields: directly or indirectly and serve the community. Transdisciplinary communication has shown clear ability to surpass the conventional thinking of the people in the education system. The incorporation of transdisciplinary communication in the modern education system leads to an innovative approach which combines the collaborative and impactful process for the enhanced teaching learning ecosystem. This results in significant and adaptable developments of the whole modern education system. Overall, it benefits the students, teachers and society at large with a strong tendency to improve the flaws in the conventional education systems worldwide.

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