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## **INNOVATION EDUCATION BASED ON MULTI INTELLIGENCE AND STRATEGIES OF IMPLEMENTATION**

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### **ABSTRACT**

The applications of multiple intelligence theory in education are wide. Students apply the learning in the classroom according to their own dominant intelligence and learning style, which is most effective for them. Combining learning styles with dominant intelligences enhances the students' learning processes. Teaching through an approach customized to multiple intelligence theory allows students to develop and enhance various intellectual skills.

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### **I. INTRODUCTION**

Education is a complex social, cultural and ethical process designed in a social or cultural context. It is related with social structures, cultural environments, values and ideas of people, society and the government. All these factors are dynamic. By all these definitions of teaching has been changing depending on the time, place, and society. A good teaching programmer may be designed to affect maximum teaching and learning. Teaching has been one of the oldest and most respected professions in the world and the teachers are the kingpins of educational system. It is the most influential profession in society. It is said that teaching has acquired a status of profession because the need for teacher and his education and teaching have been imperative all these days. It is always a dynamic activity. It unfolds the world of knowledge and information and experience and erudition. The personality of the teacher is a significant variable in the classroom. It is said that teachers affect eternity.

Therefore, Teacher Education is to produce teachers of high quality is of utmost importance and caliber. Conscious initiatives are necessary to influence the quality of Teacher Education at various levels. Earlier it was believed that teaching is an art and good teacher cannot be made but they are born. But in the modern age of science and technology, a new thinking has emerged that much of teaching is a science and teachers can be made more competent and efficient by imparting training. It is based upon some specialized knowledge skills, techniques, principles of education and child psychology, the laws of learning, history of education and the methods of teaching etc. Teacher should continue to be a student of subject matter and students of mind activity. Unless a teacher is such a student he cannot grow as a teacher, inspires and director of soul life.

### **II. METHODOLOGY**

Education is a product of experience it is the process by which and through which the experience of the race i.e., knowledge skills and attitudes are transmitted to the members of the community. An education proceeds from birth to death, and the school is not only agency that imparts education. The best type of education is that guides the immature child to live his life richly and abundantly at the same time to contribute to social betterment. It is always a dynamic activity. It unfolds the world of knowledge and information and experience and erudition. The personality of the teacher is a significant variable in the classroom. It is said that teachers affect eternity. Teacher should continue to be a student of subject matter and students of mind activity. Unless a teacher is such a student he cannot grow as a teacher, inspires and director of soul life.

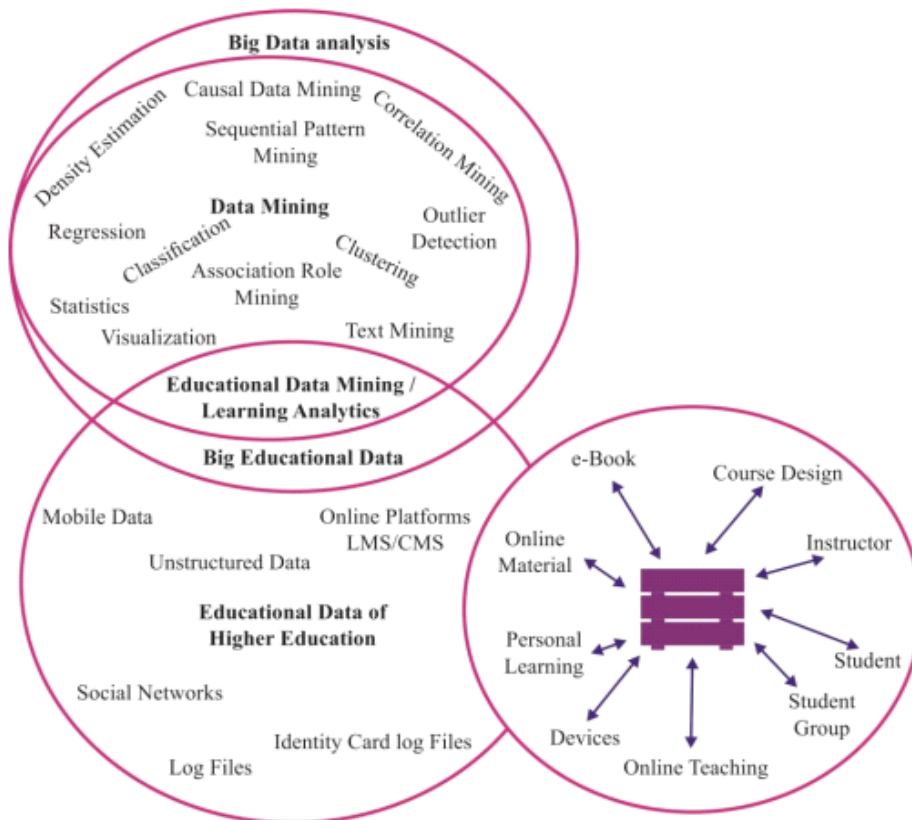
### **TEACHER EDUCATION**

It means the acquisition of that type of knowledge or information, skill and ability which helps a teacher to discharge his/her professional duties and responsibilities effectively and efficiently. It means shaping and reshaping the attitude, habits and personality of a teacher. As the educational scenario goes through a vast change in the newly emerging society, the teachers need to be well knowledgeable which would create curiosity in the students to learn new things.

**EDUCATIONAL DATA MINING (EDM)**

In the last decades, EDM has attained massive attention from researchers due to the existence of massive educational details which is accessible from many sources. The main aim of EDM is to make DM models more effectively in order to safeguard the numerous amount of educational information and to develop a protective atmosphere for the student's learning. In this approach, diverse models have been deployed for DM and its analytics. Moreover, prediction models were used namely, Classification, Regression, and Latent factor evaluation technologies.

**III. MODELING AND ANALYSIS**

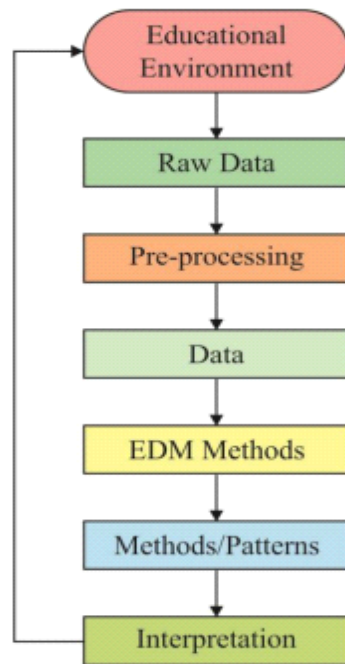


**Figure 1:** An illustration of DM

Student modeling is defined as a way of representing the cognitive factors of student actions like examining student performance and behavior, separating the fundamental misconception, shows student aims and achievements, finding the advanced as well as acquired knowledge, retaining episodic memory, and defining personality features. In this approach, the definition of classifying EDM applications. Each domain in this class shows a technique which defines student's aims and goals. According to the study in diverse features in student modeling, such as knowledge and skill (1), error and misconception (2), learning style with priority (3), affective and cognitive aspects (4) as well as metacognitive factor (5). The taxonomy of application in EDM.

**IV. RESULTS AND DISCUSSION**

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus, it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective. The implementation stage involves careful planning, investigation of the existing system and its constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods.



**Figure 2:** illustration flowchart.

## V. CONCLUSION

This work has concentrated on the design of effective DM models to examine the educational performance level to assist students as well as faculties to improve their performance to the next stage. The proposed research work has incorporated a set of three processes namely preprocessing, feature extraction, and classification. These research works involve a set of three research objectives and are successfully developed. Novel hybridization of linear vector quantization model is presented for predicting the academic performances and employability chances of the learners. In this objective, a predictive model using RF is integrated to develop a hybridization of linear vector quantization algorithm for predicting the employability chances and academic results of the students. The proposed hybridization of linear vector quantization model assists to examine the academic student’s performance and also predicted whether the student gets placement in a prestigious company for achieving the goals. The experimental result states that the hybridization of linear vector quantization model offers the forecast that has 90% precision comparatively greater than RF.

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