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ANALYSIS OF EDUCATIONAL DATA MINING USING SOME MODELS

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ABSTRACT

To make the greatest success in educational field it is major requirements for anyone who have power to concentrate. Now a days Data mining is very useful tool for the concentration in the field of education for analyzing the subject on a particular point. In this paper we attempted to create some model for school students to increase their concentration power.

Keywords* : *Data Mining, KDD.

I INTRODUCTION

Educational Data Mining is an emerging discipline, concerned with developing methods for exploring the unique types of data that come from educational institute and using those methods to better understand students what they learn. Data mining, also called Knowledge Discovery in Databases (KDD), is the field of discovering novel and potentially useful information from large amounts of data [Tian et al.]. It has been seen that educational data mining methods are often different from standard data mining methods, due to the need to explicitly account for (and the opportunities to exploit) the multilevel hierarchy and non-independence in educational data. For this reason, it is increasingly common to see the use of models drawn from the psychometrics literature in educational data mining publications [Cobo et al.].

Various methods have been proposed, applied and tested in the field of education. It is proposed that the model suggested in this paper is different from the other methods suggested in various papers. [Romero and Ventura, 2007]. Educational institutions are increasingly being held accountable for the academic success of their students. Notable research in student retention and concentration rates has been performed by different researchers. [Luan, 2004].

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II MATERIALS AND METHODS

Some models were prepared using computer softwares and students of class VII were tested as shown in the figure-

Fig. 1

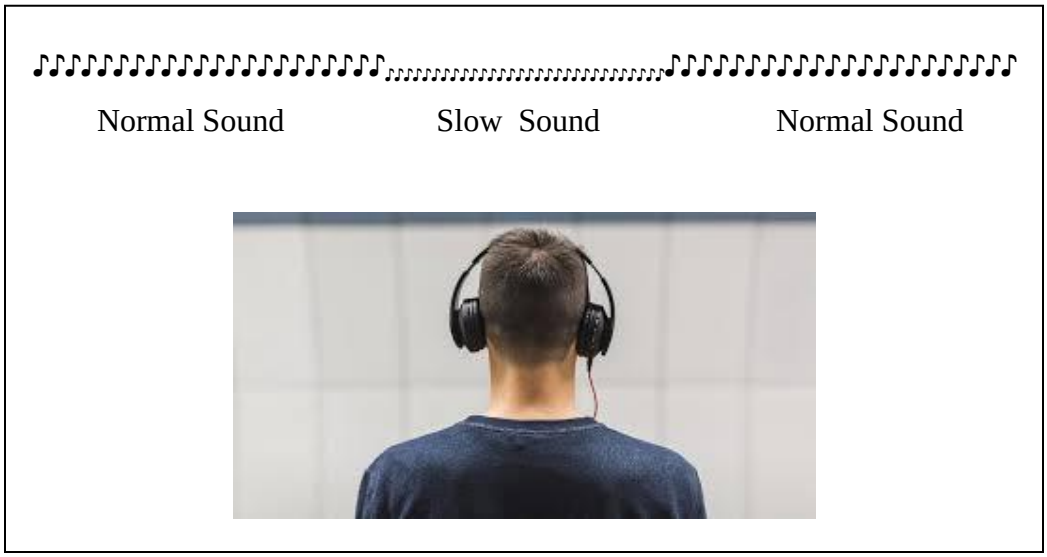

Fig. 2

III RESULT AND DISCUSSION

An Educational Data Mining system needs to focus on the collection, archiving and analysis of data related to student learning and assessment. In current scenario an Educational Data Mining system is a very new academic field. As with all new fields, data mining has grown out of existing disciplines and is spreading to overlap with new ones. The analysis performed in this paper is a trial of class VII students who have very poor concentration towards study. The students gathered at common room and test is performed. After three weeks the concentration power of students increased and they are able to answer the all the questions. The performance recorded after class test is abruptly changed. Those candidates who are very poor they also perform satisfactory results.

IV CONCLUSION

We would like to summarize the importance of the computer generated model for achieving the concentration of students. However, this paper concise only limited students of class VII. It is further needed to explore these data on large scale.

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