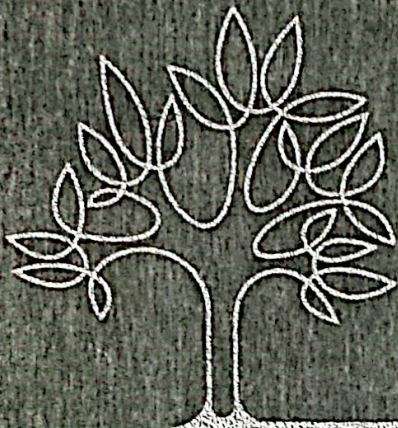


# Education, Health and Social Change

*Walking Through The Road Of Transformation*



Principal  
S.D. College, Hoshiarpur

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# CHAPTER VIII

## ROLE OF DATA MINING FOR IMPROVING STUDENT PERFORMANCE FOR SOCIAL CHANGE

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### **Abstract**

In recent years, educational data mining has attracted a lot of attention. The main goal of educational institutions is to give students a high-quality education in order to improve their academic performance. Students' success is influenced by a variety of factors, including their behavioural, academic, and personal characteristics. Before establishing a performance development program, it is necessary to map out the student's current situation. Predicting a student's success is a major challenge for higher education administrators. To determine the students' choice of higher education, predictive tools and techniques will be created to forecast student behaviour, attitudes, and performance. It is easier to increase student achievement when performance predictions are made early. In order to meet a criterion for quality education, there have been several attempts to forecast student performance; unfortunately, the prediction accuracy is not satisfactory. The goal of this work is to address every facet of educational data mining. Furthermore, a paradigm for forecasting student success is offered and evaluated.

**Keywords:** Educational Data mining, Academic Performance, Social Change

### **Introduction**

Students and alumni in higher education encounter significant hurdles. Institutions want to determine, for example, which students will enroll in specific course programs and which students will require support to graduate. Is it true that certain students are more likely to transfer than others? Which alumni groups are most likely to make pledges? Aside from these problems, conventional difficulties like enrollment management and time-to-degree continue to inspire higher education institutions to seek better solutions. One efficient approach to solving these student and alumni concerns is data analysis and