In this thesis, we have been able to demonstrate the process of designing and developing data-warehouse and data mining applications using SQL server business intelligence Development tools using a case study in an academic environment. It is to be noted however that this technique can be applied to any organization wishing to implement business intelligence as part of their strategic decision support operations. The power of Data-Warehousing in data analysis is tremendous and data-mining can discover hidden treasures in the data-warehouse.
Some of the main conclusions and contributions of the work are summarized, and some possible future development lines are commented.

As it has been emphasized, the most important oint of this research is the acquisition of knowledge from students' academic performance. The main purpose is to provide pridective mining modele for students.

We found that using data mining, it is possible to devlop a model representing the behavior of students in their way through different academic itineraries. This facilitates a prper vision of the behavior and performance of the groupe of students at certain university career and, at the same time, allows feeding the systeme to offer recommendation with the courses to be enrolling on.

One of the most attractive future works is to collect large data set from the university database and apply these classification methods on such data. Several other new classification methods can also be applied to test the most suitable method for student dataset i.e. lazy learners, Classification via regression etc. These classification methods can also be applied to predict other student outcomes such as dropouts or alumni pledges.