











with no delay according to the new information available.

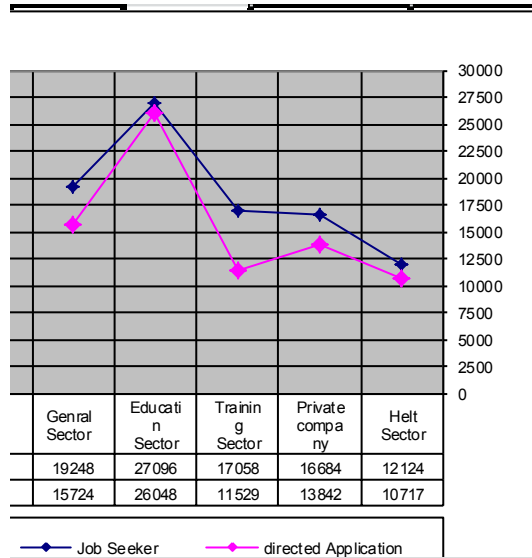


Fig. 8 Graphical representation for the number of applicants and directed applicants in all cities from the year 2000 to 2006

### XIII.CONCLUSION

"As our world is now in its information era, a huge amount of data is accumulated everyday. A real universal challenge is to find actionable knowledge from a large amount of data. Data mining is an emerging research direction to meet this challenge. Many kinds of knowledge (patterns) can be mined from various data", [15]. The objectives of this work are to study the impact of using data warehouse on a huge amount of data in Manpower Employment Decision Support System in which the data quality are concerned. In our research, we compared the data warehouse with the OLTP system to know the issues and impacts of using the data warehouse system on the information system. In fact, we found that we cannot completely replace the information system with the data warehouse but the data warehouse is just for helping the information system in the process of decision-making. We measured the reporting performance between the two systems and found that the data warehouse is more powerful than the ordinary old system. The old system has its features, which the data warehouse cannot do it (as an example add a record, update a record or delete a record), this is because it is not its functions. We cannot use the old system instead of the data warehouse especially in decision support reports or multidimensional reports, which need a lot of time from the Information System staff, and at the end, these reports are static reports not dynamic ones.

We have accomplished the objectives of the study by focusing on the benefits gained from using data warehouse, and why it is more powerful than the use of traditional databases in decision-making. The case study tackled the impact of using the data warehouse on employing people in People's Committee of Manpower .We have analyzed and designed it by V.B studio 6.0, and SQL services programming languages, in order to compare the performance and time. We

tested our system with real, synthetic and scattered data that was collected from different sources in Libya with different types (access database, DBF files and flat file) and sizes (15.56 MB, 6.85 MB and 28.1 MB).

The problems that face the old system users, which we mentioned in section 4.1 motivated us to use data warehouse system in the decision support organization. The advantages of this system were shown in section 4.4, where the resulted reports and figures emphasize those advantages and the ability of such system to help decision making which is not easy to achieve using the old system. The reports and figures produced by the presented system show how clear the overall situation of the employment process. So decision makers can take the right decisions in the right time with no delay according to the new information available.

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