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**ABSTRACT**

I developed an application named Student Database Management System as my minor project.

An organized and systematic solution is essential for all universities and organizations. In schools and colleges, there is a need to maintain information about students. This information could be general details like student name, address, etc or specific information related to department. This information is maintained manually. So, they need to be automated and centralized so that information from one module can be used by other one.

With that in mind, I overhauled the existing Student Management System and made necessary improvements to streamline the processes. My work is useful for easy user interface. The system utilizes powerful file handling, data retrieval and data manipulation. It provides more ease for managing the data than manually maintaining in the documents. It is useful for saving valuable time and reduces a huge amount of paper work.

The system is implemented in C, with a heavy use of data structures. In order to develop such an application, a number of Technologies must be studied and understood. These include C fundamentals, file handling, datastructures, indexing, structures and pointers.

This document will discuss each of the underlying technologies to create and implement the application.

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