SWOT Analysis

Strengths:-

* Volume Administration: - Helps to manage a greater number of students easily.
* Data Accessibility: - Helps to track roll numbers, names, cgpa, total no of students, etc.
* Time saving: - Browsing through papers takes time and is significantly reduced by the help of this program, response time of system is very less.
* Security: - Hardcopy Data gets lost easily and maintaining data in a rush is hectic as well as leads to mismanagement thus diminishing human error and keeps records explicit.

Weakness:-

* Valid/Invalid Inputs: - User needs to know the valid inputs for particular actions.
* Time taken: - The time taken to type in the valid inputs might vary with user.
* Employment: - Digitalisation often leads to decrease in work opportunities

Opportunities:-

* Automation: - Voice controlled assistant are an upcoming technological marvel and can be used here as well.
* Growth: - Small use software are increasing as technology is reaching at every small level almost every local schools are starting to use such programs.
* Reduces malpractice like editing student info.

Threats:-

* Customer Belief: - Some local schools are adamant to sticking to conventional methods.
* Size: - Bigger the school size and student database, storage need increases and is therefore a bit of a concern.



*Image ref link:- https://www.workfront.com/sites/default/files/images/articles/2018-07/Blog\_Project-Management-101.png*

5 Ws And 1H

1. Why: - The goal of this project is to make it easier for schools to manage the database in an efficient manner.
2. What: - We need to make a C program that uses various structures or unions that will be used various times throughout the program to list student details such as roll no, total students, names, etc.
3. Who: - This Project is aimed for various schools or educational institutions and with certain changes can be made available to store employee details as well.
4. When: - It will be completed in 2 week time.
5. Where: - The Program will be made on Visual Studio Code and Ubuntu linux OS, Windows 10 OS and various other Microsoft Office tools will be used.
6. How: - The project will be completed with step by step accounting of requirements and specifications and analysis of various C language functions, data types, variables, parameters and other tools that can be used and sequential arrangement and procedural setup to move along the project will be decided to ensure smooth flow in the project process.