

# **Project Proposal: Student Result Management System**

1. Project Title: Student Result Management System (SRMS)
2. Objective: The main objective of this project is to design and develop a system that can efficiently manage, store, and retrieve student results. It will automate manual result processing, reduce errors, and save time for both teachers and students.
3. Problem Statement: In many educational institutions, managing results manually is time-consuming and error-prone. Teachers face challenges in calculating, recording, and sharing results, while students sometimes receive delayed or incorrect results.
4. Proposed Solution: The proposed system will provide a centralized platform where:
  - Teachers can enter marks and generate results automatically.
  - Students can view their results online.
  - Administrators can manage student records, courses, and grades.
  - The system will ensure accuracy, quick access, and data security.
5. Key Features:
  - Student registration and record management
  - Marks entry by teachers
  - Automatic grade calculation and GPA generation
  - Result publishing and student access portal
  - Search and filter option for quick result retrieval
  - Data backup and security
6. Tools & Technologies:
  - Programming Language: C
  - IDE: Dev C++, Visual Studio Code
  - Interface: Console-based
7. Expected Outcome:
  - Faster and error-free result generation
  - Easy access for both teachers and students
  - Improved efficiency in result management
8. Conclusion: The Student Result Management System will replace the traditional manual process with a digital, reliable, and user-friendly solution, ensuring accuracy and saving valuable time.