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Result Analysis Webpage

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Abstract - The semester result analysis project is designed to analyze and interpret student performance data over a given academic term this provides the structured approach to evaluate semester examination results, identifying trends, success rate, subject wise performance, and individual student progress. By automating the collection and analysis of the results, the project enables institutions to pin point areas of academic excellence as well as subjects or courses needed improvement.
This provides the comprehensive platform for semester result analysis with the goal of enhancing institutional
Performance monitoring.

1.INTRODUCTION *(Size 11, Times New roman)*

In today's digital academic environment, it is essential for students and educational institutions to have quick and secure access to academic performance data. The Result Analysis Webpage is a web-based platform designed to streamline the process of academic result tracking. It enables students to log in using their registration number and date of birth to view detailed academic information such as semester-wise marks, individual CGPA for each semester, cumulative CGPA progression, and a complete overview of arrears. This system provides both transparency and convenience by allowing students to monitor their academic journey across semesters in a structured and user-friendly manner.
Our Result analysis webpage to used to track the students marks and their grade Students can view their every semester marks and their standing arrears in this webpage.

2. Body of Paper

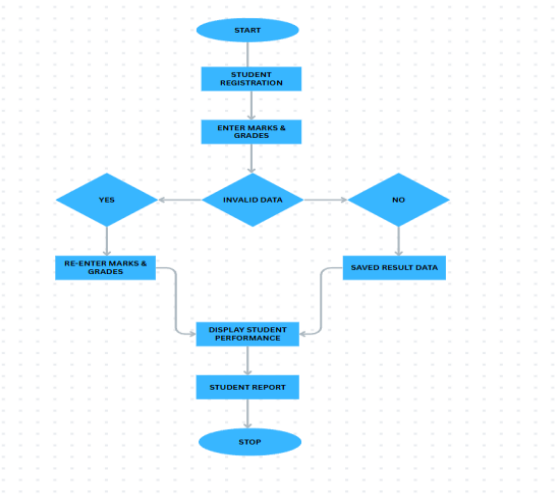
The Result Analysis Webpage is designed to help students easily check their academic performance online. It shows marks for each subject, CGPA for every semester, the overall CGPA, and details about arrears (subjects not passed). Students can log in securely using their registration number and date of birth to access their personal academic records.

The frontend of the webpage is built using HTML and CSS, which helps create a simple, clean, and user-friendly design. The webpage layout is easy to use, with sections that show semester-wise marks, CGPA charts, and arrear details. It works well on both computers and mobile devices, so students can view their results from anywhere.

The backend is developed using JavaScript and TypeScript. JavaScript makes the webpage dynamic and interactive, while TypeScript adds extra safety by catching errors early through type checking. The backend handles login, fetches student data from the database, calculates CGPAs, and keeps track of arrears. When a student logs in, the system checks their details and then shows their academic data quickly and securely.

One of the key features of the system is the arrear tracking. For each semester, the number of arrears is shown, and the system also keeps a history of arrears—showing which ones are still pending and which ones have been cleared later. This helps students know exactly where they stand academically and what they need to work on.

Fig -1: Flow Chart



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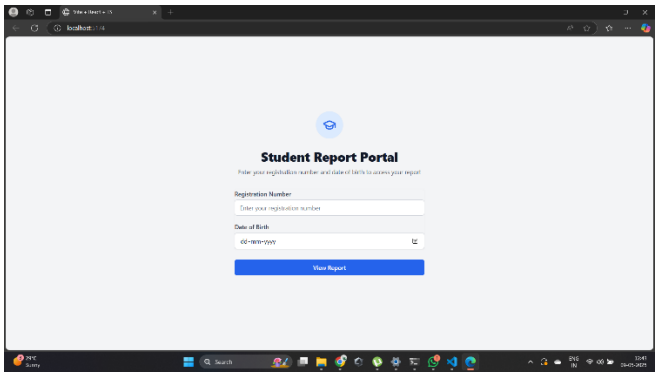

Fig -2: Home Page

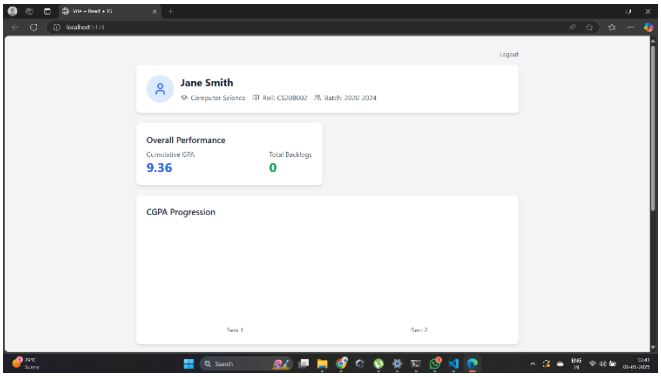

Fig -3: Result Page(1)

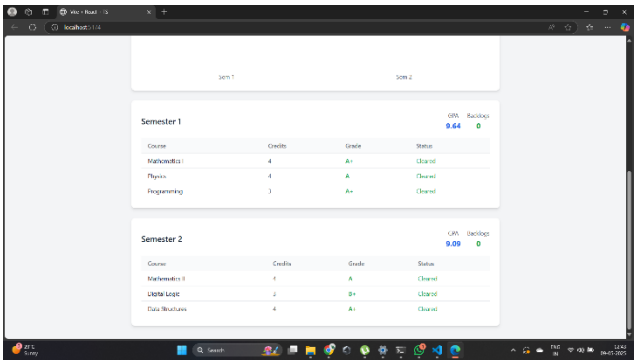

Fig -4: Result Page(2)

3. CONCLUSIONS

The Result Analysis Webpage significantly enhances the academic monitoring process for students and institutions alike. By providing secure, real-time access to detailed performance metrics and arrear histories, it empowers students to understand their progress and take timely action where needed. The system also reduces administrative overhead by automating result management and improving transparency. Overall, the platform serves as a valuable tool for academic engagement, contributing to better planning, self-assessment, and institutional efficiency in result analysis and performance tracking.

ACKNOWLEDGEMENT

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Our great thanks to the Project Co-Ordinator, **Dr. M. Deepa** for her ever lasting contribution in making the second year project phase a smooth journey and also for her valuable guidance and for making us realize our potential and be successful. We also thanks for her kind help and Cooperation throughout the research period to make us a grant successful completion of project.

REFERENCES

[1]."Modern Approaches to Student Information Systems" by John S. Adams
This book explains how schools and colleges use technology to manage student data, including marks, attendance, and performance analysis. It helps in understanding how result systems work in real life.

[2]."Educational Data Management and Analysis" by Priya S. Kulkarni
This source talks about how to collect, store, and study student performance data using simple tools and techniques. It's helpful for building systems like student result analysis.

[3]."Web Technologies: HTML, CSS, JavaScript, and Java for Beginners" by N.P. Gopalan
A beginner-friendly guide that explains how to build online platforms using HTML, CSS, JavaScript, and Java – the same tools used in the student result management system.