



Anjuman-I-Islam's  
M. H. Saboo Siddik College Of Engineering

# RESULT MANAGEMENT SYSTEM WITH ANALYSIS

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# Introduction

- Result Management System with analysis can handle least but important details about the student.
- The system includes the information about the Student, Classes, Subjects and most important the result of the student.
- The Result Management System with advanced analytical is an automated version of the manual result management.
- Goal of the Project
  - 1.Computerize the Manual System
  - 2.Decrease the Dependency.
  3. Reduce Paperwork(offline)
  4. Increase the productivity.

# Literature Review

PAPER	AUTHORS	ANALYSIS
Web-based Student Result Management System	Mohammad Gulam Lorgat	The current research aims at creating a web-based student result management system, reducing time, effort and improving security. The research results in the development of a multi-user system, based on web technology with architectural pattern and developed using Java programming language with Apache Tomcat Server and MySQL Database Management System support.
Student Performance Analysis System (SPAS)	Chew Li Sa, Dayang Hanani bt.Abang Ibrahim, Emmy Dahlina Hossain	The proposed system offers student performance prediction through the rules generated via data mining technique. The data mining technique used in the project is classification, which classifies the students based on the student's grade. The most effective technique by analysing the results in various techniques is B-Tree.

# Literature Review

PAPER	AUTHORS	ANALYSIS
Student Information Report System with SMS (SIRS) in 2016	Isbudeen Noor Mohamed, Ahmad Tasnim Siddiqui, Syed Ajaz, S Mohamed Idhris	The proposed system is an application software and which has an intention to begin a conductive and direct interchanging the statistics in a secure platform to coalesce with students, faculties and the college/school administration. The student can check their results through an SMS sent to the student/parent's contact numbers..



# Problem Statement

- The current manual system of result management is cumbersome, time-consuming, and prone to errors.
- Teachers are facing challenges in maintaining accurate records, generating timely reports, and providing meaningful analysis of student performance.
- The website will manage the information about various students enrolled in the course in different years, the subjects offered during different semesters of the course, the marks obtained by the various students in various subjects in different semesters.
- The website will greatly simplify and speed up the result preparation and management process
- There is a need for a robust Result Management System with advanced analytical capabilities to address the following issues:
  1. Data Management
  2. Analysis and Insights
  3. Security and Privacy



# Technologies and Tools Requirement

Hardware Requirement	Software Requirement
<ol style="list-style-type: none"><li>1. Pentium IV Processor or higher</li><li>2. 512 MB RAM or more</li><li>3. 40GB HDD or more</li><li>4. 1024 X 768 Resolution Color Monitor or more</li></ol>	<ol style="list-style-type: none"><li>1. OS: Windows 11</li><li>2. Visual Studio Code</li><li>3. Python (Flask)</li><li>4. MongoDB</li><li>5. HTML</li><li>6. Cascading Style Sheets(CSS)</li><li>7. Browser: Chrome or any</li></ol>





# Innovativeness In Solution

- The website will manage the information about various students enrolled in the course in different years, the subjects offered during different semesters of the course, the marks obtained by the various students in various subjects in different semesters.
- Predictive Analytics: Implementing predictive analytics algorithms to forecast future student performance based on historical data. By identifying patterns and trends, the system can provide early intervention recommendations to educators, enabling proactive measures to support struggling students
- Our project will web based, highly interactive, responsive, time saving.
- An important aid for teachers and students to judge their performance. Merit list printing by totals for a class by individual subject marks for a class. Student performance in a particular subject or all the subjects must be expressed. Performance of teachers of various classes can be easily compared



# Proposed System

- The Result Management System with Analysis is a comprehensive software solution designed to automate result management processes in educational institutions while providing advanced analytical capabilities.
- The proposed system aims to streamline result generation, storage, analysis, and dissemination, thereby enhancing efficiency, accuracy, and decision-making.
- Student configurable grading system.
- Calculated / Average Column handling.
- Grace marks handling.
- Special Analysis section.
- Sub-subjects marks entry handling.





# Cost Effectiveness & Societal Impact

- Reduction in Administrative Costs: Implementing a Result Management System can lead to significant cost savings by streamlining administrative processes.
- Enhanced Education Quality: The RMS contributes to the overall enhancement of education quality by providing educators, students, and parents with timely access to accurate and insightful result data.
- Environmental Sustainability: The transition from paper-based result management to digital systems reduces the environmental impact associated with paper consumption, printing, and transportation.
- Improved Resource Allocation: By gaining insights into student performance trends and areas needing improvement through analytical features of the RMS, institutions can allocate resources more effectively.



**Thank You!!!!**