

Comprehensive & Scalable Management Solution for Educational Institutions

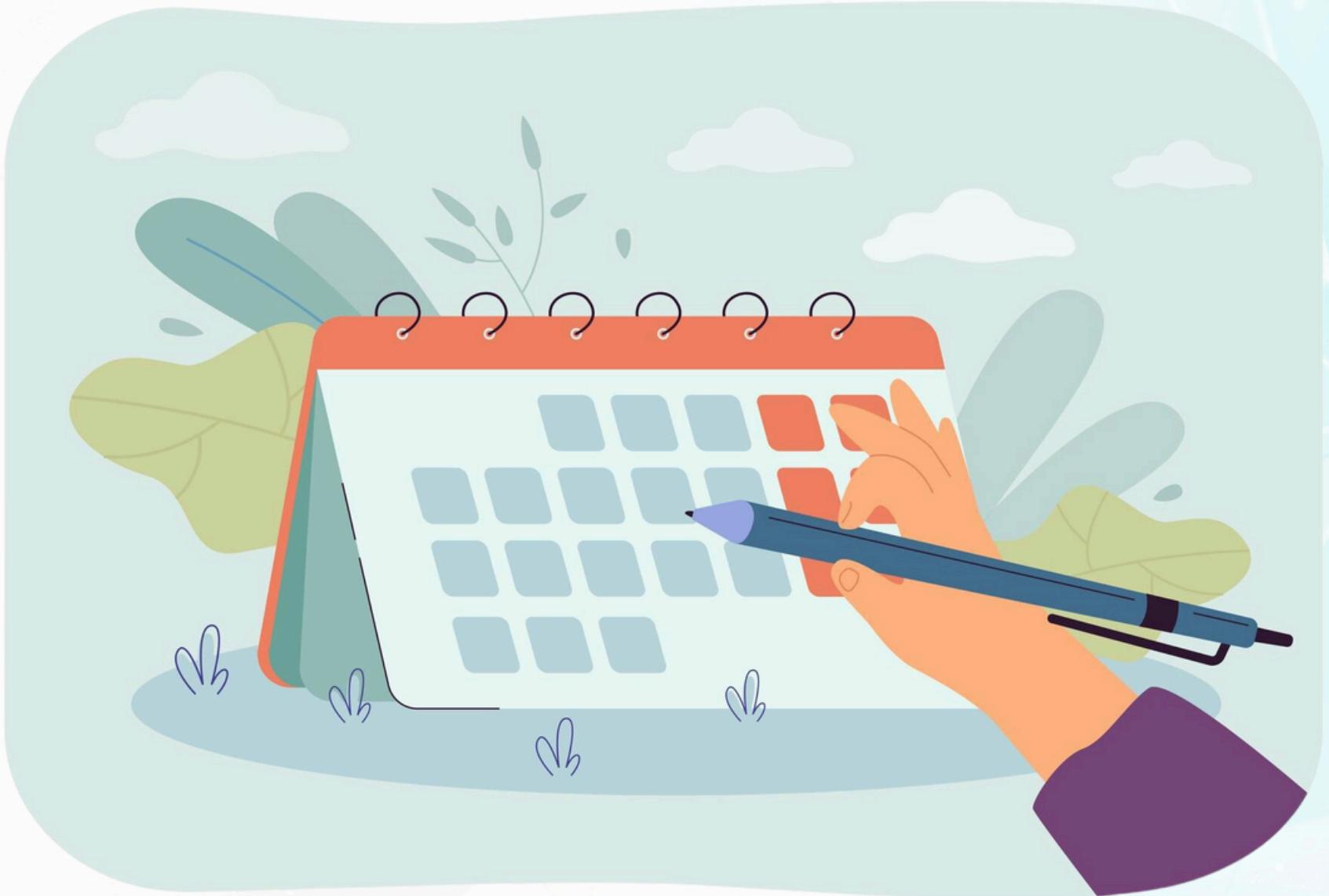
P R E S E N T A T I O N B Y C R E A T I V O





AGENDA

1. Introduction
2. Features of the ANALYSIS Application
3. Technical Architecture
4. Scalability and Load Testing
5. Benefits for Stakeholders
6. Conclusion and Next Steps





INTRODUCTION

PURPOSE:

Simplify and centralize educational institution management across multiple institutions and streams.

OBJECTIVE:

Enable efficient management and transparency with a focus on scalability and usability.

TARGET USERS: Educational institutions, administrators, faculty, students, and parents.



OVERVIEW :

- Administer diverse institutions and streams effortlessly.
- Centralized control with streamlined operations.

KEY FEATURES:

- Hierarchical setup for managing institutions by region, stream, and department.
- Role-based access control for administrators.
- Real-time insights into institutional performance.

MANAGE MULTIPLE INSTITUTIONS

Grade and Middle Schools

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High School

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College and University

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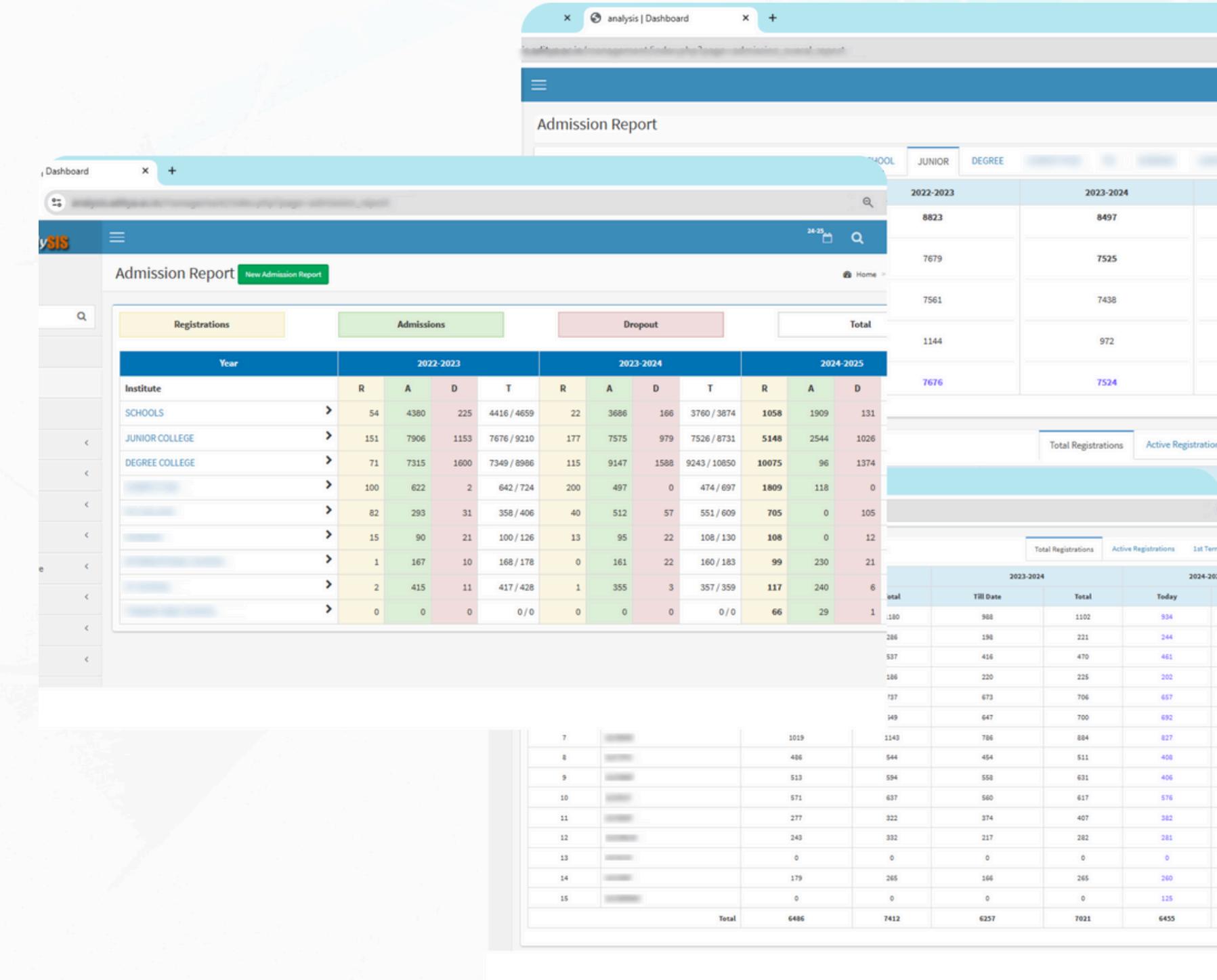
ADMISSIONS MANAGEMENT

OVERVIEW :

- Simplified and streamlined enrollment process for students

KEY FEATURES:

- Online application portal with status tracking.
- Document verification and approval workflows.
- Integration with national/state-level admission systems.
- Automated communication with applicants via SMS and email.





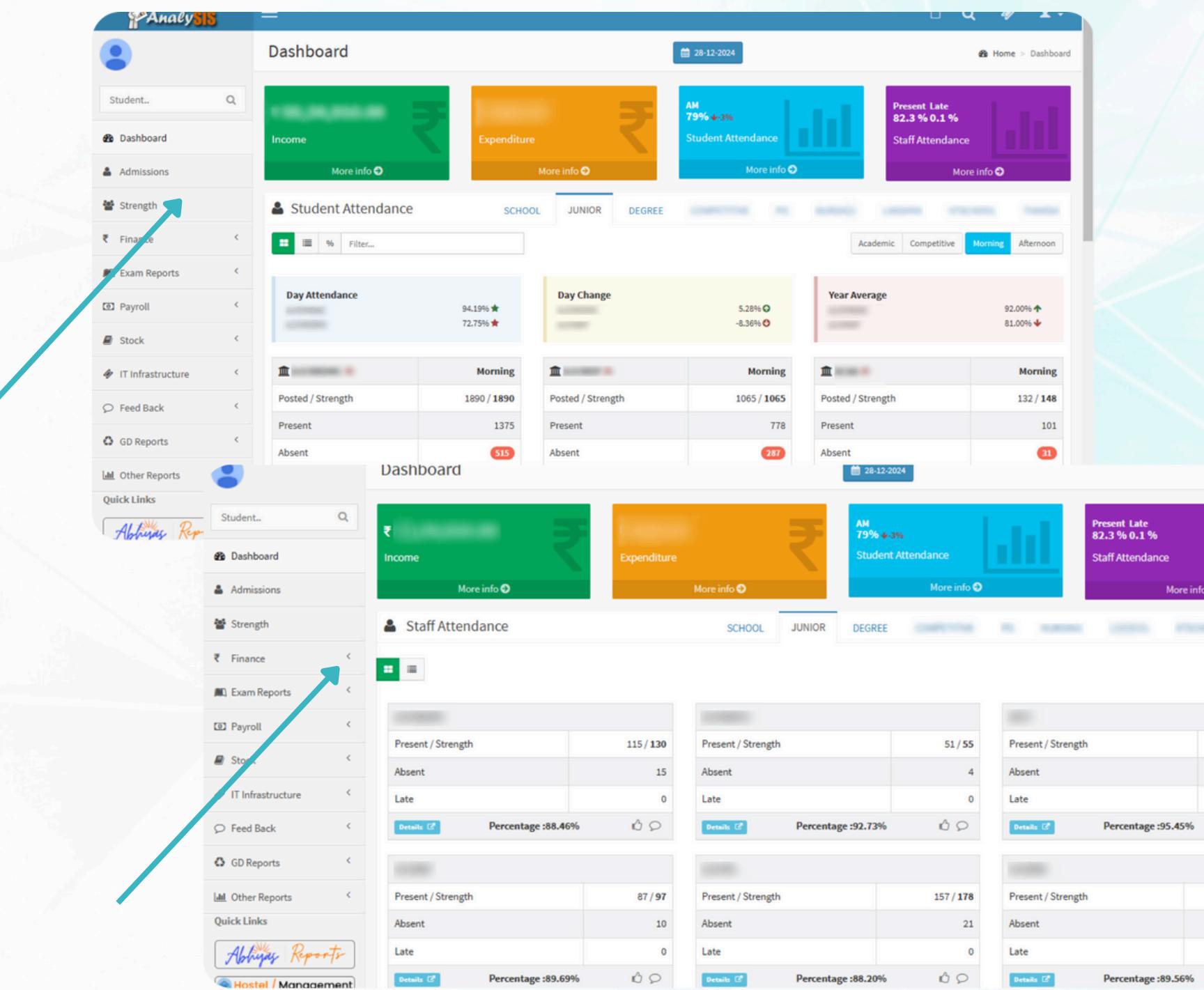
ATTENDANCE MANAGEMENT

OVERVIEW :

- Monitor and manage attendance for both students and staff.

KEY FEATURES:

- Biometric or RFID-based attendance tracking.
- Real-time alerts for irregular attendance.
- Integration with performance analytics.
- Monthly and yearly attendance reports for compliance.





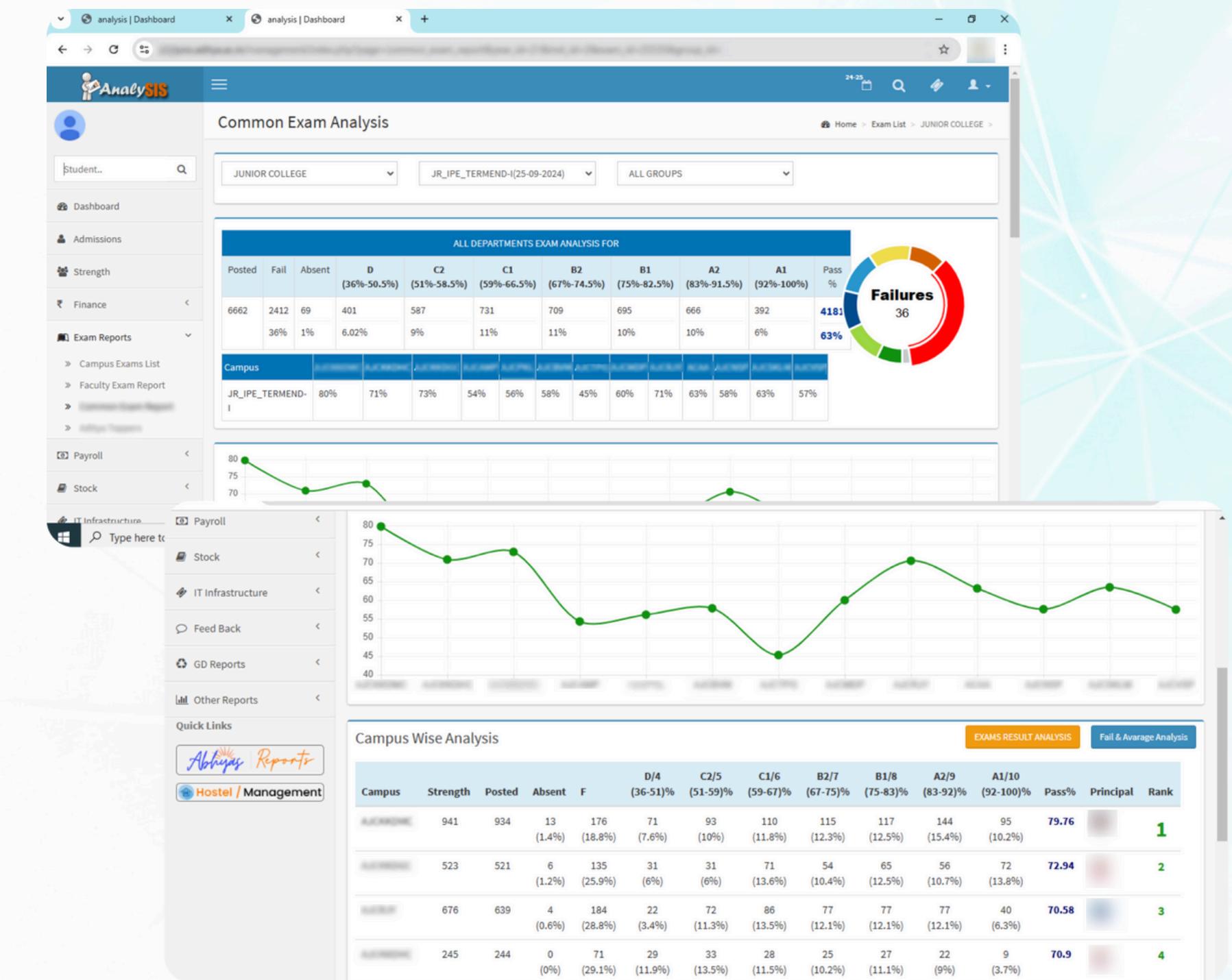
OVERVIEW :

- End-to-end management of examinations and results.

KEY FEATURES:

- Online and offline examination support.
- Result processing and analytics.
- Secure storage and retrieval of exam records.

EXAMINATION MANAGEMENT



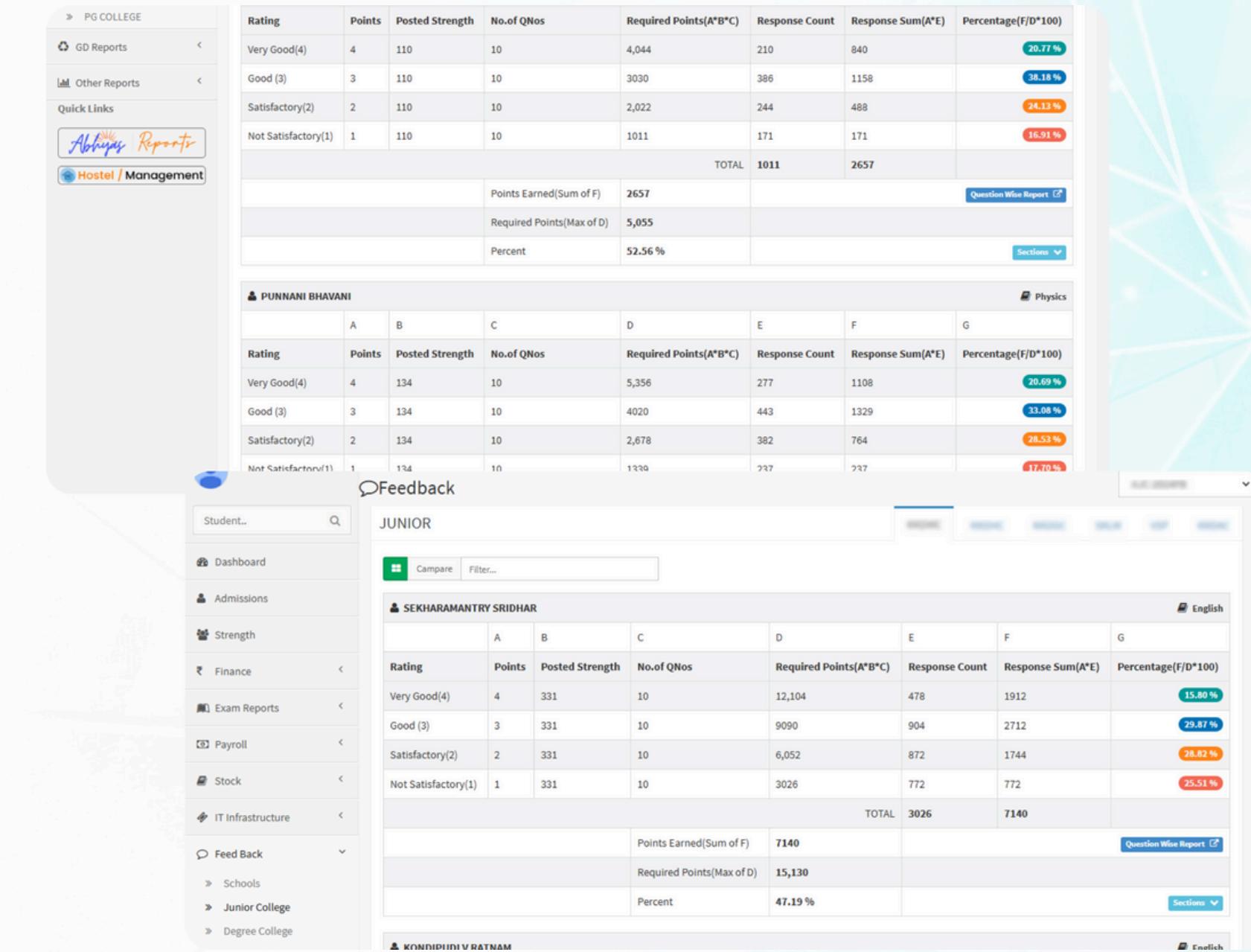


OVERVIEW :

- Collect and analyze feedback for continuous improvement in teaching quality.

KEY FEATURES:

- Anonymous feedback submission from students.
- Dashboard for faculty performance insights.
- Customizable feedback questionnaires.
- Integration with professional development programs.



FACULTY FEEDBACK SYSTEM



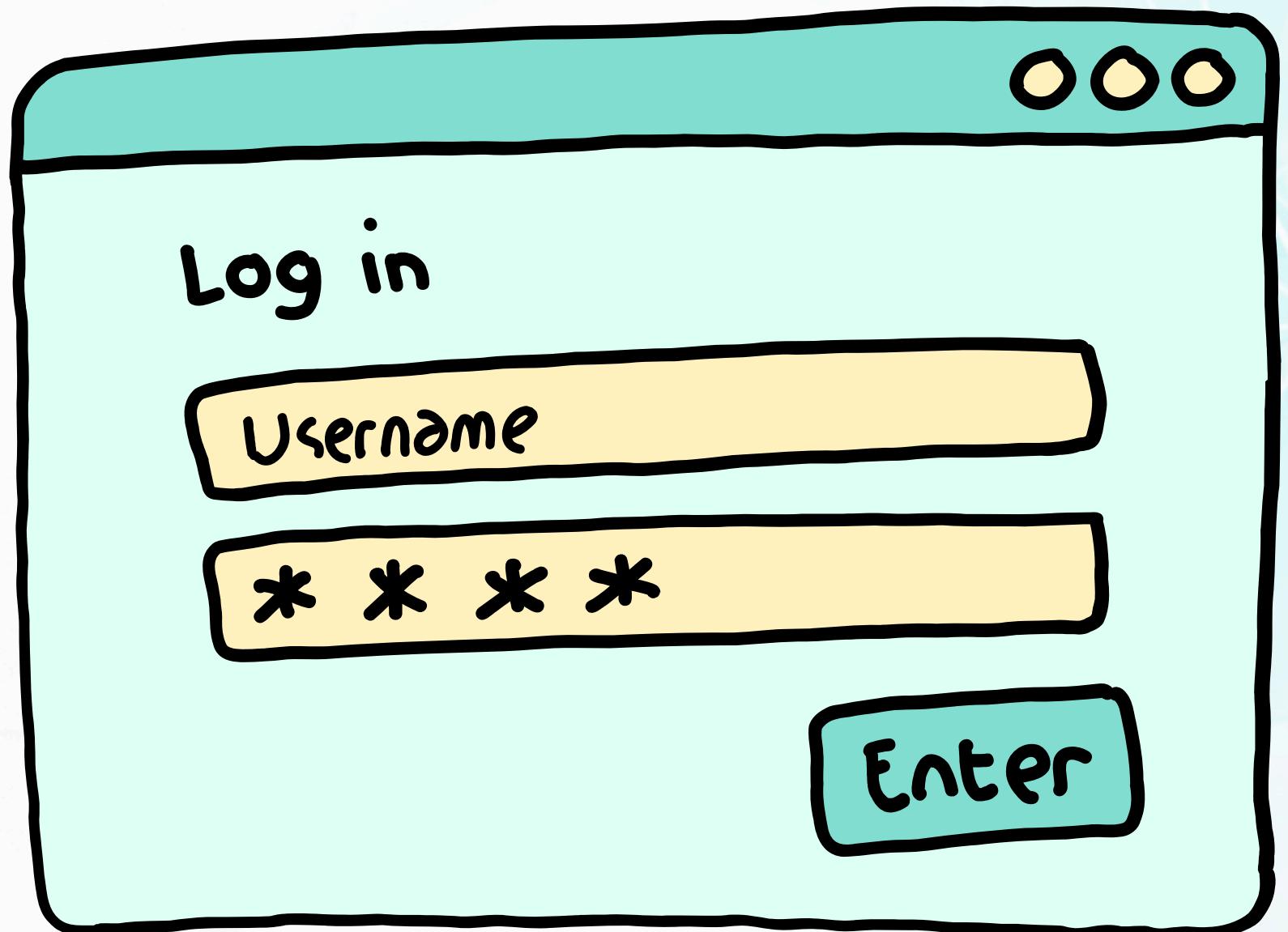
OVERVIEW :

- Enhance parent engagement with real-time updates.

KEY FEATURES:

- Access to student performance, attendance
- Notifications for important events and deadlines.
- Secure communication channel with faculty and administration.

PARENT LOGIN





TECHNICAL ARCHITECTURE

FRONTEND:

- Angular.JS
- Dynamic and responsive user interfaces.

BACKEND:

- Node.js
- Scalable and efficient server-side processing.

DATABASES:

- MySQL: Relational data storage for structured information.
- MongoDB: NoSQL database for handling unstructured data (e.g., logs, feedback).

APIs:

- RESTful APIs for seamless communication between frontend and backend.

HOSTING:

- Cloud infrastructure for scalability and reliability.





SCALABILITY AND PERFORMANCE

LOAD TESTED FOR 2 LAKH STUDENTS

- Data includes records spanning 5 academic years.

OPTIMIZED QUERIES

- Efficient database operations for large datasets.

ELASTIC SCALING

- Support for sudden spikes in usage during admissions and exams.





BENEFITS FOR STAKEHOLDERS

FOR THE GOVERNMENT:

- Centralized data for policy decisions.
- Transparent and accountable processes.

FOR INSTITUTIONS:

- Simplified management.
- Improved administrative efficiency.

FOR STUDENTS AND PARENTS:

- Real-time updates and access to essential information.
- Enhanced engagement and support.

FOR FACULTY:

- Efficient attendance and feedback systems.
- Focus on quality teaching.





Conclusion and Next Steps

CONCLUSION:

- ANALYSIS Application is a robust, scalable, and user-friendly solution tailored for state-wide adoption.

NEXT STEPS:

- Detailed requirements gathering.
- Pilot implementation in selected institutions.
- Full-scale rollout with training and support.



THANK YOU