GCEK ENTERPRISE RESOURCE PLANNING SYSTEM

ABSTRACT

The project *GCEK ERP System* is being developed as a centralized solution to streamline academic and administrative operations in Government College of Engineering Kalahandi (GCEK). The system provides role-based access for multiple stakeholders to enhance efficiency, transparency, and management. The Admin/Super-admin module manages system configuration, user accounts, and institute-wide reports. The Faculty module supports attendance, grading, lesson planning, and notices, and the Student module enables learners to access profiles, timetables and results. To strengthen department-level monitoring, a dedicated HOD Admin panel allows Heads of Departments across six departments to track faculty and student performance. Furthermore, two specialized dashboards are designed for the Dean of Student Welfare and the Dean of UG/PG Programs to manage welfare activities and academic progress. Built with HTML, CSS, Bootstrap, and JavaScript for the frontend, Spring Boot for the backend, and MySQL as the database, the project is currently in its initial phase with the goal of evolving into a comprehensive ERP solution.

KEYWORDS:- ERP System, Academic Management, Role-Based Access, HOD Admin, Dean Module, Spring Boot, MySQL.

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