

Intelligent Elective Subject Selection System

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Abstract: *Elective subject selection in educational institutions is an important process that affects student's academic growth and teacher's workload. Unfortunately, most institutions still handle this process manually with paperwork. This method is slow, prone to mistakes, and lacks transparency. Students often get confused about which electives are available and which teachers are assigned to them. Meanwhile, teachers have a hard time with scheduling, sharing study materials, and tracking student requests. Heads of Departments and Principals also struggle to manage approvals, coordinate subject assignments, and monitor performance effectively.*

To solve these problems, the proposed system offers a centralized digital platform that connects Principals, Heads of Departments, Teachers, and Students in one place. The system automates important tasks such as student registration, elective subject selection, teacher approval, test scheduling, distribution of study materials, and performance tracking. It ensures accuracy, cuts down on delays, and removes the need for paperwork while providing full transparency. By digitizing the whole process, the system improves efficiency, accountability, and speeds up decision-making, benefiting both administrative workflow and the overall student experience.

Keywords: Academic Transparency, Centralized Platform, Elective Subject Selection, Digital Education System, Student Management, Teacher Approval

