

## **Faculty Connect Mobile: A Comprehensive Faculty Management System**

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### **Abstract:**

The faculty management in educational institutions is often a complex task involving scheduling, leave management. Traditional methods rely on manual processes, leading to inefficiencies and scheduling conflicts. FacultyConnect is an automated system designed to streamline faculty administration, ensuring optimal scheduling and real-time availability tracking. This report presents the system's objectives, problem statement, existing limitations, proposed solutions, and implementation details. By integrating automation and real-time updates, FacultyConnect enhances faculty management, minimizing disruptions and improving academic efficiency. The system also incorporates mobile support, expertise-based faculty scheduling, and emergency communication features to create a seamless and efficient faculty management experience. When a faculty member requests leave, the administrator can identify and assigns a suitable substitute based on the faculty available in that period, ensuring that academic quality is maintained. The system also includes a timetable editing feature, allowing administrators to manually modify schedules when necessary while keeping all stakeholders updated with real-time notifications.

### **Keywords:**

Faculty Management, Mobile Application, Scheduling, Timetable Generation, Real-Time Alerts.