

# **ABSTRACT**

## **FACULTY LEAVE MANAGEMENT SYSTEM**

The Faculty Leave Management System is a web-based application developed to automate the process of faculty leave application, approval, and tracking within an academic institution. The system is designed to provide a simple and efficient platform for faculty members to apply for leave and monitor its status, while enabling administrators (HOD) to manage and approve leave requests through a centralized interface.

The application allows faculty to securely log in, apply for different types of leave, provide reasons, and view their complete leave history. The admin (HOD) can review submitted leave requests, approve or reject them, and update the leave status accordingly. Email notifications are generated to inform faculty members about the approval or rejection of their leave requests.

The system follows a modular architecture consisting of login, leave application, leave history, approval workflow, and email notification modules. By digitizing the leave management process, this project reduces paperwork, improves transparency, ensures accurate record keeping, and serves as a practical learning model for database-driven and role-based application development.

### **Software Requirements**

**Operating System:** Windows / Linux

**Frontend:** React.js

**Backend:** Node.js, Express.js

**Database:** MongoDB

**Programming Language:** JavaScript

**IDE:** VS Code

**Web Browser:** Chrome / Firefox

### **Hardware Requirements**

**Processor:** Intel i3 or above

**RAM:** Minimum 4 GB

**Hard Disk:** 20 GB free space

### **Project Team**

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