VERSION 1.0

VU PROCTORS DIARY

SOFTWARE REQUIREMENT SPECIFICATION

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REVISION HISTORY

DATE (DD/MM/YY)	VERION	DESCRIPTION	AUTHOR
22/05/2025	1.0	Introduction of the project	BC210404349

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SCOPE OF PROJECT

The VU Proctors-Diary is a centralized web-based system designed to manage and automate the entire lifecycle of examination duty assignments for the Virtual University. It will facilitate communication, scheduling, attendance marking, and payment processing for superintendents and invigilators. Admins can assign duties based on availability, preferences, and location, minimizing human error and ensuring transparency. The system also handles leave requests, generates reports, and provides insights through a performance analytics dashboard. This platform will significantly improve accountability, reduce administrative workload, and enhance coordination during examination sessions.

The system will:

✓ Automate proctor scheduling based on availability and qualifications.

✓ Track attendance & report submissions digitally.

✓ Send automated notifications (email/SMS) for duties and updates.

✓ Manage leave requests & availability dynamically.

✓ Process payments based on verified attendance.

✓ Provide analytics & reporting for administrative oversight.

Requirements

FUNCTIONAL REQUIREMENTS

User Registration & Profile Management: Superintendents and invigilators can sign up and manage their profiles (ID, qualifications, center preferences, etc.).

Duty Assignment System: Admins can schedule duties based on location, availability, and preferences, avoiding conflicts.

Notification System: Automated email and SMS notifications for upcoming duties, updates, and changes.

Attendance Tracking: Superintendents and invigilators can mark attendance; admins verify post-exam.

Report Uploads: Superintendents upload daily attendance and exam-related reports.

Leave & Availability: Users can apply for leave; the system adjusts availability during scheduling.

Payment Processing: Payment is generated based on attendance and duty verification and processed via the system.

Admin Dashboard: Displays analytics like attendance rates, performance scores, and duty coverage.

NON-FUNCTIONAL REQUIREMENTS

Usability: User-friendly UI using Bootstrap and Ant Design.

Scalability: Capable of handling multiple examination centers simultaneously.

Security: Secure login using JWT authentication, role-based access, and encrypted communication.

Reliability: The system should ensure 99.9% uptime during exams.

Performance: Responsive design with optimized loading speeds.

Maintainability: Modular codebase using Node.js js and React.js Js for easy maintenance.

Portability: Accessible via web browsers on PCs, laptops, and tablets.

USE CASE DIAGRAM