

## **Workflow For Approval of Onduty for the students**

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<b>Problem Statement</b>	Approval of OnDuty for the students

### **Phase Notes**

Stage 1: Planning and Requirement gathering

Stage 2: Design and Prototyping

Stage 3: DB Designing

Stage 4: Backend Implementation

Stage 5: Testing & Implementation

### **Problem Statement:**

The process of approving student on-duty requests within educational institutions presents several challenges, including:

- **Manual and time-consuming approval process:** Current methods rely on manual submission and approval processes, leading to delays and inefficiencies in managing student on-duty requests.
- **Lack of centralized tracking:** The decentralized nature of on-duty approval systems results in difficulties tracking the status of requests and ensuring timely responses.
- **Communication gaps:** Ineffective communication channels between students and administrative staff can lead to misunderstandings and delays in the on-duty approval process.

- **Administrative burden:** Managing on-duty requests, tracking approvals, and ensuring compliance with institutional policies place a significant administrative burden on staff.

## **PROJECT-FLOW:**

### **Purpose:**

To develop a centralized on-duty approval system that streamlines the process for students and administrative staff, reducing delays and improving communication.

### **Scope:**

The system will include user authentication, an on-duty request submission form, automated approval workflows, and a centralized dashboard for tracking and managing requests. It will integrate with existing student management systems to ensure data consistency and streamline administrative tasks.

### **Business Context:**

The centralized on-duty approval system aims to enhance efficiency and transparency in managing student on-duty requests, ultimately improving institutional operations. Primary stakeholders include students, administrative staff, faculty, and the IT department.

### **Consideration:**

- All users must have valid institutional credentials for authentication.
- Users should have access to internet-enabled devices for submitting and managing on-duty requests.

### **Dependencies:**

- Integration with institutional authentication systems for user verification.
- Seamless integration with existing student management databases for data consistency.

### **User Personas:**

- **Student:** Requires a streamlined process for submitting and tracking on-duty requests.

- Administrative Staff: Manages the approval process, ensures compliance with policies, and provides support to students.

**User Stories:**

- As a student, I want to submit on-duty requests efficiently and track their status in real-time.
- As administrative staff, I need to review and approve on-duty requests promptly to ensure smooth operations within the institution.

**Technical Components:**

COMPONENT	Tech Stack
Backend	expressJS,nodeJS
Frontend	AngularJS
Database	mongoDB
API	REST Full API

## FLOWCHART:

