



BANNARI AMMAN INSTITUTE OF TECHNOLOGY

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STUDENT NAME : GOWTHAM PRASATH K
SEAT NO : 303
PROJECT ID : 23
PROJECT NAME : OD APPROVAL FOR STUDENTS

TECHNICAL COMPONENTS :

COMPONENT	TECH STACK
FRONTEND	HTML,CSS,JAVASCRIPT
BACKEND	LINUX,APACHE SERVER,PHP(LARAVEL FRAMEWORK)
DATABASE	MYSQL
API	RESTFul API

Problem Statement:

The OD (On-Duty) Approval Website is a platform designed to streamline the process of approving students' leave requests based on certain criteria. It utilizes a LAMP (Linux, Apache, MySQL, PHP) stack for its development. The website allows students to apply for OD only if they meet the prerequisite conditions, which include having a certain percentage in both PFA (Placement Formative Assessment) and FA (Formative Assessment). The approval process differs based on whether the OD requested is technical or non-technical.

Project Objectives:

1. Efficiency: Simplify the OD application process for students.
2. Automation: Automatically verify student eligibility for OD.
3. Customization: Provide separate workflows for technical and non-technical OD requests.
4. Parental Engagement: Enable parental approval via SMS notifications.
5. Mentor Oversight: Allow mentors to approve OD requests.
6. Transparency: Ensure clear visibility into the approval process.
7. Communication: Facilitate timely notifications and updates for stakeholders.
8. Security: Protect student data and ensure confidentiality.
9. Usability: Create an easy-to-use interface for all users.
10. Scalability: Build a system that can grow with future needs.

Project Workflow:

- 1) Student Applies for OD:
 - Student logs in to the portal.
 - Student fills out the OD application form.
 - System checks if the student meets the eligibility criteria (PFA and FA > 50%).
- 2) Select OD Type:
 - a) If eligible, student selects the type of OD: technical or non-technical.
- 3) Technical OD Approval Process:
 - ❖ If technical OD:
 - Application is sent to the special lab for review.
 - Special lab reviews the application.
 - If approved, parents receive an SMS with a link for approval.
 - Both parents approve → Mentor approves OD. ➤ If any decline, OD request is canceled.
- 4) Non-Technical OD Approval Process:
 - ❖ If non-technical OD:
 - Parents receive an SMS with a link for approval.
 - Both parents approve → Mentor approves OD. ➤ If any decline, OD request is canceled.
- 5) Final Approval:
 - Mentor approves OD after parental approval (if required).
 - If all approvals received, OD is approved; otherwise, it's canceled.
- 6) Communication:
 - Throughout the process, stakeholders receive SMS notifications about the status of the OD request and approval links.
- 7) End of Workflow:
 - Once OD is approved or canceled, the process ends.

FLOWCHART :

