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## PROJECT PLAN

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## 1.0 Project Initiation

**Objective:** Define project scope, goals, and stakeholders.

### 1.1 Kickoff Meeting

- **Tasks:**
  - Define project objectives and deliverables.
  - Set expectations and communication plans.

### 1.2 Requirements Gathering

- **Tasks:**
  - Document functional and non-functional requirements.
  - Create a project charter.

## 2.0 Planning

**Objective:** Develop a detailed project plan and timeline.

### 2.1 Project Plan Development and Budgeting

- **Tasks:**
  - Develop a detailed project timeline with milestones.
  - Define project scope and deliverables.
  - Estimate costs for design, development, testing, and deployment.
  - Create a budget plan and secure approvals.

### 2.3 Risk Management

- **Tasks:**
  - Identify potential risks and develop mitigation strategies.
  - Document risk management plan.

## 3.0 Design

**Objective:** Create and finalize website design.

### 3.1 Wireframes and Mockups

- **Tasks:**
  - Create wireframes for key pages (e.g., homepage, dashboard, menu pages).
  - Develop visual mockups and design prototypes.
  - Review and get feedback from stakeholders.

### 3.2 Design Approval

- **Tasks:**
  - Revise designs based on feedback.
  - Obtain final approval from stakeholders.

## 4.0 Development

### 4.1 Server-side Development

#### 4.1.1 Menu Pages & Sidebar Integration

- **Objective:** Establish the foundational navigation structure.
- **Tasks:**
  - Create and design the main menu pages.
  - Place the created pages in the sidebar for easy access.
  - Ensure the sidebar is styled consistently and is responsive.

#### 4.1.3 Admission Page

- **Objective:** Develop functionalities for managing student admissions.
- **Tasks:**
  - **New Registration Subpage:**
    - Implement a form for student registration.
    - Ensure the form captures personal and educational information.

- Develop backend functionality to generate and email unique school IDs.
- **Student List Subpage:**
  - Display a list of registered students.
  - Implement search functionality by admission number.

#### 4.1.4 Student Management

- **Objective:** Develop pages related to student attendance and academic management.
- **Tasks:**
  - **Class Attendance Subpage:**
    - Develop a system for recording and viewing class attendance.
  - **Attendance Report Subpage:**
    - Generate and display attendance reports.

#### 4.1.5 Academics Page

- **Objective:** Manage academic information, including courses, intakes, and exam timetables.
- **Tasks:**
  - **Courses Subpage:**
    - Add functionality to manage courses, units, and student enrollment.
  - **Intakes Subpage:**
    - Manage intake periods and student intake data.
  - **Exam Timetable Subpage:**
    - Develop a scheduling system for exams.

#### 4.1.6 Examinations Page

- **Objective:** Handle all examination-related activities.
- **Tasks:**
  - **Grading System Subpage:**

- Configure and display grading systems.
- **Exam Attendance Subpage:**
  - Manage exam attendance records.
- **Exam Mark Ledger Subpage:**
  - Record and display student exam scores.
  - Automatically calculate cumulative scores and grades.
- **Exam Results Subpage:**
  - Display detailed student performance reports per semester.
- **Course Mark Ledger Subpage:**
  - Aggregate and rank course scores.
- **Course Results Subpage:**
  - Display performance metrics for each course.

#### 4.1.7 Transcript and Certificates

- **Objective:** Provide students with their academic performance reports and certificates.
- **Tasks:**
  - **Transcript Subpage:**
    - Display students' scores, grades, and points for an academic year.
  - **Certificates Subpage:**
    - Generate and display certificates for students.

#### 4.1.8 Fees Page

- **Objective:** Manage student financial information.
- **Tasks:**
  - **Fee Structure Subpage:**
    - Display the fee structure for different courses and intakes.
  - **Fee Statement Subpage:**
    - Integrate with the bank's API to fetch payment data specific to each student.

- Display and allow students to download their fee statements.
- **Exam Card Subpage:**
  - Generate exam cards for students who have completed their fees.

#### 4.1.9 Communications Page

- **Objective:** Develop tools for communicating with students.
- **Tasks:**
  - **Calendar Subpage:**
    - Manage and display the school calendar.
  - **Send SMS Subpage:**
    - Implement functionality to send SMS to all or specific students.
  - **Send Emails Subpage:**
    - Implement functionality to send emails to all or specific students.

#### 4.1.10 Study Materials Page

- **Objective:** Provide access to study resources.
- **Tasks:**
  - Upload and manage study materials for students.

#### 4.1.11 Homepage Development

- **Objective:** Create the main entry point for users.
- **Tasks:**
  - Design and develop the homepage.
  - Ensure it provides a clear navigation path to all major sections.

## 4.2 Student Side Development Work Plan

### 4.2.1 Login Page & Sidebar Integration

- **Objective:** Establish the foundational navigation structure.



- **Tasks:**
  - Create and design the login page.
  - Develop a responsive sidebar with easy access to various student features.

#### 4.2.2 Admission Page

- **Objective:** Implement functionalities related to student admission processes.
- **Tasks:**
  - **Session Reporting Subpage:**
    - Develop a system that allows students to report for a session.
    - Ensure that only students who have reported for a session can register for units.

#### 4.2.3 Academic Page

- **Objective:** Provide tools for students to manage their academic activities.
- **Tasks:**
  - **Units Subpage:**
    - Implement unit registration functionality.
    - Display the history of registered units and academic performance.
  - **Result Slip Subpage:**
    - Allow students to select a year and semester to view their result slips.
  - **Transcript Subpage:**
    - Develop functionality to generate transcripts for selected years.

#### 4.2.4 Financial Page

- **Objective:** Manage and display student financial information.
- **Tasks:**
  - **Fee Structure Subpage:**
    - Display the fee structure for various programs.
  - **Fee Statement Subpage:**

- Show the student's fee statement and provide an option to download it.

#### 4.2.5 Study Materials Page

- **Objective:** Provide access to relevant study materials and resources.
- **Tasks:**
  - Upload and manage study materials.
  - Ensure easy access and search functionality for study resources.

#### 4.2.6 Announcements

- **Purpose:** Keeps students informed about important updates, news, and events related to their academic and extracurricular activities.
- **Subpages:**
  - **News:** Provides updates on academic schedules, policy changes, and other important information.
  - **Events:** Lists upcoming events, seminars, workshops, and deadlines.

#### 4.2.7 Dashboard Development

- **Objective:** Develop the student dashboard as the central hub for student activities.
- **Tasks:**
  - Display student information (name, email, course, year).
  - Show currently registered units and fee balance.

## 5.0 Testing

**Objective:** Ensure the website functions correctly and is free of issues.

### 5.1 Functional Testing

- **Tasks:**

- Test all features and functionalities across different pages.
- Verify compatibility with various browsers and devices to ensure consistent performance.

## 5.2 Usability Testing

- **Tasks:**

- Conduct user testing sessions to gather feedback on the usability of the website.
- Implement improvements based on user feedback to enhance user experience.

## 5.3 Performance Testing

- **Tasks:**

- Test website speed and performance to ensure quick loading times.
- Optimize performance and address any issues affecting speed or responsiveness.

## 5.4 Security Testing

- **Tasks:**

- Conduct security assessments and vulnerability scans to identify potential risks.
- Address any security concerns and implement necessary safeguards to protect user data.

## 6.0 Launch

**Objective:** Deploy the website and ensure a smooth transition to the live environment.

### 6.1 Pre-Launch Preparation

- **Tasks:**

- Create a comprehensive launch checklist to ensure all aspects are ready for deployment.
- Finalize all content, design elements, and functionality.
- Conduct a final review and approval of the website.

## 6.2 Deployment

- **Tasks:**
  - Deploy the website to the live server and perform initial monitoring.
  - Address any issues that arise during the launch phase.
  - Provide post-launch support to resolve any immediate concerns.

### **Project Timeline Overview**

- **Project Initiation& Planning & Design:** 1 weeks
- **Development:** 5 weeks
- **Testing and Lauch** 1 weeks