

# **Student Admission Management System – Project Document**

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## **➤ Problem Statement**

Universities and colleges handle thousands of admission applications every year. The current process is often manual, time-consuming, and prone to delays. Students face difficulties in tracking their application status, while admission officers struggle to manage and prioritize applications efficiently.

The Student Admission Management System will streamline the process by:

- Automating application submissions and reviews
- Managing applicant details and supporting documents
- Sending automated notifications to students
- Providing dashboards for decision-makers to monitor admissions in real-time

## **➤ Use Cases**

1. Student Application Submission – Students can fill and submit online applications.
2. Application Review – Officers can review, approve, reject, or waitlist applications.
3. Enrollment Management – Track admitted students and their course/program selection.
4. Automated Notifications – Email/SMS alerts for submission, acceptance, rejection.
5. Reporting – Dashboards to analyze admission trends and performance.

## **➤ Project Phases**

### **Phase 1: Problem Understanding & Planning**

- Requirement Gathering
- Stakeholder Analysis
- Admission Process Mapping
- Use Case Analysis

### **Phase 2: Org Setup & Configuration**

- Salesforce Org Setup (Developer Edition)

- Company Profile & Basic Settings
- User Setup (Students, Admission Officers, Admins)
- Profiles & Roles for access control
- Sandbox usage for testing before deployment

### **Phase 3: Data Modeling**

- Custom Objects: Student, Application, Enrollment, Program
- Fields for personal details, academic records, course preferences
- Record Types & Page Layouts for different application stages
- Relationships between Student ↔ Application ↔ Enrollment

### **Phase 4: Process Automation (Admin)**

- Validation Rules for mandatory fields
- Approval Process for application review
- Flows for updating status and sending notifications
- Automated Email Alerts (submission, acceptance, rejection, waitlist)

### **Phase 5: Custom Development (Developer)**

- LWC for Application Form, Review Dashboard, Decision Workflow
- Apex classes for backend logic
- SOQL queries for student/application data

### **Phase 6: User Interface Development**

- Lightning App Pages (Student Dashboard, Officer Dashboard)
- Tabs for Applications, Programs, Enrollments
- LWC with navigation and event handling
- Responsive design for mobile users

### **Phase 7: Integration**

- Payment Gateway Integration
- Document Upload/Verification
- SIS (Student Information System) sync for enrolled students

## **Phase 8: Data Management & Deployment**

- Import student/program data with Data Import Wizard
- Data Loader for bulk uploads
- Duplicate check rules
- Change Sets for deployment

## **Phase 9: Reporting & Dashboards**

- Reports: Applications received, accepted, rejected, waitlisted
- Dashboards: Admission funnel, enrollment trends
- Program-wise analytics
- Security controls: Field-level security, access restrictions

## **Phase 10: Final Presentation & Handoff**

- Live Demo of application process
- Feedback collection
- Documentation for users and administrators
- LinkedIn/Portfolio showcase

## **➤ Conclusion**

The Student Admission Management System (SAMS) streamlines the entire admission lifecycle by leveraging Salesforce capabilities. From application submission and review to enrollment management and analytics, the system enhances transparency, efficiency, and decision-making for both institutions and students. By integrating automation, reporting, and seamless external system connectivity, SAMS serves as a scalable and modern solution that simplifies admission processes and improves the overall student experience.