**Project Title:** Smart Event Management System with Automated Volunteer Assignment

**1. Problem Statement**

Event management in educational institutions and organizations is often handled through spreadsheets, manual registrations, and email communication. This leads to inefficiencies such as:

* Duplicate or missing registrations.
* Poor tracking of volunteer assignments.
* Lack of automated reminders for attendees.
* Limited visibility for organizers and management.

These challenges cause confusion during large events, reduce participant satisfaction, and make it difficult for organizers to measure event success.

**2. Objective**

The objective of this project is to design and implement a **centralized Event Management System in Salesforce** that:

* Automates the creation and management of events, sessions, and registrations.
* Provides smooth student registration and volunteer assignment workflows.
* Sends reminders and notifications to participants.
* Offers real-time dashboards and reports for organizers and management.

**3. Scope**

The Smart Event Management System will include:

* **Event Lifecycle Management**: Creation of events, sessions, and registrations.
* **Automation**: Auto-assigning volunteers to sessions based on availability.
* **Integration**: External API callout to check holidays to avoid event clashes.
* **User Interface**: Lightning Web Components for student registration and volunteer dashboards.
* **Reporting**: Event analytics dashboards for participation, feedback, and volunteer performance.
* **Security**: Role-based access for Admin, Organizer, Volunteer, and Student.

**4. Stakeholders**

* **Admin (System Owner)** – Sets up Salesforce org and manages security.
* **Event Organizer** – Manages events, sessions, volunteers, and reports.
* **Volunteers** – Assigned automatically to sessions; track responsibilities.
* **Students/Attendees** – Register for events and receive reminders.
* **Management** – Views dashboards and overall impact.

**5. Expected Outcomes**

* Reduction in manual effort for event organizers.
* Clear volunteer assignment, reducing confusion during events.
* Increased student participation due to reminders and seamless registration.
* Real-time insights for management on event effectiveness.