### Project Overview: NCW Event Organizer

**Project Name:** NCW Event Organizer  
**Purpose:** A web application for organizing and managing college events at **Nirmala College for Women (NCW)**, allowing both **NCW students** and **students from other colleges** to register for events.  
**Scope:**

* Display upcoming and past events.
* Allow students to register based on their college affiliation.
* Provide event details, competition categories, and prizes.
* Feature an interactive calendar for easy event browsing.
* Include a secure login and registration system.
* Offer an admin dashboard for managing events.

**Website Features and Pages**

**1️⃣ Landing Page (Signup/Login Page)**

* First page when the website opens.
* Two options: **Signup** (for new users) and **Login** (for returning users).
* Description text: *"If you already have an account, login here."*
* Background image: **College event theme** (to create an engaging experience).

**2️⃣ Home Page (Main Dashboard)**

* **Event Calendar:** Displays all upcoming events.
* **Past Events Section:** Shows previous events with images and details.
* **Announcements & News:** Updates about new events, deadlines, and results.
* **Navigation Bar:**
  + Home
  + Events Calendar
  + About NCW Events
  + Contact Us
  + Logout

**3️⃣ Event Description Page**

* Opens when a user clicks on an event.
* Shows event details:
  + **Title**
  + **Date & Time**
  + **Venue**
  + **Competitions (Group & Individual)**
  + **Prizes for winners**
  + **Organizer Names**
  + **Event Poster & Images from Past Events**
* **Register Now Button** at the bottom.

**4️⃣ Event Registration Page**

* **Step 1:** Ask if the student is from **NCW** or another college.
* **Step 2:**
  + **NCW Students:**
    - Name, Department, Participation Type (Team/Individual).
  + **Other College Students:**
    - Name, College Name, Location, Contact Info, Participation Type.

**5️⃣ Admin Panel (For Event Management)**

* Add, edit, or remove events.
* View registered students.
* Upload event results & winners.

**Roadmap: Step-by-Step Guide to Development**

**📌 Phase 1: Project Planning (1 Week)**

✅ Define requirements and finalize features.  
✅ Create UI/UX wireframes for website layout.  
✅ Choose free tools for development.

**📌 Phase 2: Backend & Database Setup (2 Weeks)**

✅ Use **Firebase** or **MongoDB** (free) for database storage.  
✅ Implement **Node.js/Express.js** for backend.

**📌 Phase 3: Frontend Development (2-3 Weeks)**

✅ Build user interface using **React.js** or **HTML, CSS, JavaScript**.  
✅ Implement login/signup functionality.  
✅ Design and integrate the event calendar.  
✅ Develop the event description and registration pages.

**📌 Phase 4: Testing & Deployment (1 Week)**

✅ Test functionality and fix bugs.  
✅ Deploy using **Netlify** (for frontend) and **Firebase/Render** (for backend).

**Free Resources for Project Development**

✅ **Frontend Development:**

* React.js: <https://react.dev/>
* HTML, CSS, JavaScript: <https://www.w3schools.com/>

✅ **Backend & Database:**

* Firebase (Free DB & Hosting): <https://firebase.google.com/>
* MongoDB Atlas (Free DB): <https://www.mongodb.com/cloud/atlas>

✅ **Hosting:**

* Netlify (Free frontend hosting): <https://www.netlify.com/>
* Render (Free backend hosting): <https://render.com/>

✅ **Version Control:**

* GitHub (for collaboration): <https://github.com/>