

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.
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Website Features and Pages

1 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).

2 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

3 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.

4 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.

5 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).
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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/>