



# ▮ Complete Lovable Frontend Prompt: Campus Event Management Platform

Create a stunning, modern Campus Event Management Platform frontend using React, TypeScript, and Tailwind CSS. This should be a comprehensive single-page application with dual interfaces for administrators and students, featuring cutting-edge design trends and exceptional user experience.

## ▮ Design Philosophy & Visual Identity

### Core Design Direction

Build a **"Digital Academic Luxury"** experience that combines professional credibility with youthful energy. The platform should feel like a premium educational tool that students and staff genuinely enjoy using, inspired by modern university websites and top-tier event platforms.

**Visual Personality:** Sophisticated yet approachable, innovative but trustworthy, energetic while maintaining academic professionalism.

## ▮ 2025 Color System (Research-Based)

### Primary Brand Palette - "Digital Gold & Navy" <sup>[1]</sup> <sup>[2]</sup>

```
/* Core Brand Identity */
--brand-gold: #d4af37
--brand-navy: #0a1628
--accent-copper: #b08d57
--champagne-light: #f7e7ce

/* Supporting Colors */
--midnight-blue: #1a1b3e
--warm-gold: #ffd700
--bronze-accent: #cd7f32
```

### Electric Accent Palette <sup>[2]</sup> <sup>[1]</sup>

```
/* High-Energy Interactions */
--electric-orange: #ff6b35
--neon-cyan: #00f5ff
--vibrant-magenta: #ff1744
```

```
--lime-success: #32cd32
--sunset-pink: #ff6b9d
```

## Glassmorphism Foundation [\[3\]](#) [\[4\]](#)

```
/* Glass Effect System */
--glass-bg-light: rgba(255, 255, 255, 0.1)
--glass-bg-dark: rgba(15, 15, 35, 0.2)
--glass-border: rgba(255, 255, 255, 0.2)
--glass-backdrop: blur(20px)
--glass-shadow: 0 8px 32px rgba(31, 38, 135, 0.37)
```

## Educational Psychology Colors [\[5\]](#) [\[6\]](#)

```
/* Trust & Focus Enhancement */
--academic-blue: #1e40af
--focus-indigo: #4338ca
--wisdom-purple: #7c3aed
--growth-green: #059669
--energy-amber: #f59e0b
--alert-red: #dc2626
```

## Accessibility-First Neutrals [\[7\]](#) [\[8\]](#)

```
/* WCAG AAA Compliant */
--text-primary: #111827 /* 21:1 contrast ratio */
--text-secondary: #4b5563 /* 7:1 contrast ratio */
--text-tertiary: #9ca3af /* 4.5:1 contrast ratio */
--surface-primary: #ffffff
--surface-secondary: #f9fafb
--surface-tertiary: #f3f4f6
--border-light: #e5e7eb
--border-strong: #d1d5db
```

## ▮ UI/UX Design System

### Typography Scale

```
/* Modern Font Hierarchy */
--font-family: 'Inter', system-ui, sans-serif
--heading-xl: 3rem /* 48px - Hero titles */
--heading-lg: 2.25rem /* 36px - Page titles */
--heading-md: 1.875rem /* 30px - Section headers */
--heading-sm: 1.5rem /* 24px - Card titles */
--body-lg: 1.125rem /* 18px - Important content */
--body-base: 1rem /* 16px - Standard text */
--body-sm: 0.875rem /* 14px - Secondary text */
--caption: 0.75rem /* 12px - Labels, metadata */
```

```

/* Font Weights */
--weight-light: 300
--weight-regular: 400
--weight-medium: 500
--weight-semibold: 600
--weight-bold: 700

```

## Spacing System (8px Base)

```

--space-xs: 0.25rem    /* 4px */
--space-sm: 0.5rem     /* 8px */
--space-md: 1rem       /* 16px */
--space-lg: 1.5rem     /* 24px */
--space-xl: 2rem       /* 32px */
--space-2xl: 3rem      /* 48px */
--space-3xl: 4rem      /* 64px */
--space-4xl: 6rem      /* 96px */

```

## Border Radius System

```

--radius-sm: 0.375rem  /* 6px - Small elements */
--radius-md: 0.5rem    /* 8px - Buttons, inputs */
--radius-lg: 0.75rem   /* 12px - Cards */
--radius-xl: 1rem       /* 16px - Large cards */
--radius-2xl: 1.5rem   /* 24px - Hero sections */
--radius-full: 9999px  /* Pills, avatars */

```

## ▣ Core UI Components

### 1. Advanced Navigation System

```

// Glass Morphism Navigation Header
<NavigationHeader className="fixed top-0 w-full z-50 backdrop-blur-md bg-white/10
                        border-b border-white/20 dark:bg-gray-900/10">
  <div className="max-w-7xl mx-auto px-4 lg:px-8">
    <div className="flex justify-between items-center h-16">
      {/* Logo with glow effect */}
      <Logo className="flex items-center space-x-3">
        <div className="w-10 h-10 rounded-xl bg-gradient-to-r from-gold to-copper
                    shadow-lg shadow-gold/25 flex items-center justify-center">
          <span className="text-xl font-bold text-navy">E</span>
        </div>
        <span className="text-xl font-bold bg-gradient-to-r from-navy to-indigo
                    bg-clip-text text-transparent">EventHub</span>
      </Logo>

      {/* Navigation Menu */}
      <NavMenu className="hidden md:flex items-center space-x-8">
        <NavItem href="/discover" icon="" label="Discover" />

```

```

        <NavItem href="/my-events" icon="" label="My Events" />
        <NavItem href="/dashboard" icon="" label="Dashboard" />
    </NavMenu>

    {/* User Profile & Actions */}
    <UserSection className="flex items-center space-x-4">
        <NotificationBell />
        <SearchTrigger />
        <UserAvatar />
        <ThemeToggle />
    </UserSection>
</div>
</div>
</NavigationHeader>

```

## 2. Premium Event Cards

```

// Interactive Event Card with Micro-interactions
<EventCard className="group relative bg-white/10 backdrop-blur-lg rounded-2xl
    border border-white/20 overflow-hidden
    hover:bg-white/20 transform hover:-translate-y-2 hover:scale-[1.02]
    transition-all duration-300 shadow-xl hover:shadow-2xl">

    {/* Event Image with Overlay */}
    <EventImage className="relative overflow-hidden">
        <img className="w-full h-48 object-cover group-hover:scale-110
            transition-transform duration-500" />

        {/* Gradient Overlay */}
        <div className="absolute inset-0 bg-gradient-to-t from-black/60
            via-transparent to-transparent opacity-0
            group-hover:opacity-100 transition-opacity" />

        {/* Floating Actions */}
        <FloatingActions className="absolute top-4 right-4 flex space-x-2">
            <HeartButton className="p-2 rounded-full bg-white/20 backdrop-blur-md
                hover:bg-red-500 hover:text-white transition-colors" />
            <ShareButton className="p-2 rounded-full bg-white/20 backdrop-blur-md
                hover:bg-blue-500 hover:text-white transition-colors" />
            <BookmarkButton className="p-2 rounded-full bg-white/20 backdrop-blur-md
                hover:bg-yellow-500 hover:text-white transition-colors" />
        </FloatingActions>

        {/* Status Badge */}
        <StatusBadge className="absolute top-4 left-4 px-3 py-1 rounded-full
            bg-green-500/80 text-white text-sm font-medium
            backdrop-blur-md animate-pulse">

            🟢 Live Now
        </StatusBadge>
    </EventImage>

    {/* Card Content */}
    <CardContent className="p-6">
        <EventMeta className="flex items-center justify-between mb-3">
            <EventType className="px-2 py-1 rounded-lg bg-blue-100 text-blue-800

```

```

        dark:bg-blue-900/30 dark:text-blue-400 text-sm font-medium">
      Workshop
    </EventType>
    <AttendeeCount className="flex items-center text-sm text-gray-600">
      <Users className="w-4 h-4 mr-1" />
      <span>247 attending</span>
    </AttendeeCount>
  </EventMeta>

  <EventTitle className="text-lg font-bold text-gray-900 dark:text-white
    group-hover:text-blue-600 transition-colors mb-2">
    Advanced React Patterns Workshop
  </EventTitle>

  <EventDescription className="text-gray-600 dark:text-gray-300 text-sm mb-4
    line-clamp-2">
    Master advanced React patterns including hooks, context, and performance optimizati
  </EventDescription>

  <EventDetails className="flex items-center space-x-4 text-sm text-gray-500 mb-4">
    <DateInfo className="flex items-center">
      <Calendar className="w-4 h-4 mr-1" />
      <span>Dec 15, 2025</span>
    </DateInfo>
    <LocationInfo className="flex items-center">
      <MapPin className="w-4 h-4 mr-1" />
      <span>Auditorium A</span>
    </LocationInfo>
    <TimeInfo className="flex items-center">
      <Clock className="w-4 h-4 mr-1" />
      <span>2:00 PM</span>
    </TimeInfo>
  </EventDetails>

  {/* Action Button */}
  <RegisterButton className="w-full py-3 px-4 bg-gradient-to-r from-blue-600 to-purple-
    hover:from-blue-700 hover:to-purple-700 text-white rounded-l
    font-medium transform hover:scale-[1.02] transition-all
    shadow-lg hover:shadow-xl relative overflow-hidden group">
    <span className="relative z-10">Register Now</span>
    {/* Shimmer Effect */}
    <div className="absolute inset-0 -translate-x-full bg-gradient-to-r
      from-transparent via-white/20 to-transparent
      group-hover:translate-x-full transition-transform duration-1000" />
  </RegisterButton>
</CardContent>
</EventCard>

```

### 3. Animated Dashboard Stats

```

// Premium Statistics Cards
<StatsCard className="bg-white/10 backdrop-blur-lg rounded-2xl p-6
  border border-white/20 hover:bg-white/20
  transform hover:-translate-y-1 transition-all
  shadow-xl hover:shadow-2xl">

```

```

{ /* Background Gradient */}
<div className="absolute inset-0 bg-gradient-to-br from-blue-600/5 to-purple-600/5
      rounded-2xl" />

{ /* Icon */}
<StatIcon className="inline-flex items-center justify-center w-12 h-12
      rounded-xl bg-gradient-to-br from-blue-600 to-cyan-600
      text-white mb-4 shadow-lg transform hover:scale-110
      transition-transform">
  <TrendingUp className="w-6 h-6" />
</StatIcon>

{ /* Content */}
<StatContent className="relative z-10">
  <StatLabel className="text-sm font-medium text-gray-600 dark:text-gray-400 mb-1">
    Total Events
  </StatLabel>

  <StatValue className="flex items-baseline space-x-2">
    <h3 className="text-2xl font-bold text-gray-900 dark:text-white">
      <AnimatedNumber value={142} duration={2000} />
    </h3>
    <TrendBadge className="text-sm font-medium px-2 py-1 rounded-full
      bg-green-100 text-green-700 dark:bg-green-900/30
      dark:text-green-400">
      ↗ +12%
    </TrendBadge>
  </StatValue>
</StatContent>

{ /* Mini Sparkline */}
<Sparkline className="absolute bottom-6 right-6 w-16 h-8 opacity-30">
  <svg viewBox="0 0 64 32" className="w-full h-full">
    <path d="M0,16 Q16,8 32,12 T64,8" fill="none" stroke="currentColor"
      strokeWidth="2" className="animate-draw-path" />
  </svg>
</Sparkline>
</StatsCard>

```

## 4. Advanced Search Interface

```

// Global Search with Real-time Results
<SearchInterface className="relative w-full max-w-2xl">
  { /* Search Input */}
  <SearchInput className="relative">
    <SearchIcon className="absolute left-4 top-1/2 transform -translate-y-1/2
      w-5 h-5 text-gray-400" />

    <input
      className="w-full pl-12 pr-16 py-4 rounded-2xl border-0
        bg-white/10 backdrop-blur-lg border border-white/20
        text-gray-900 dark:text-white placeholder-gray-500
        focus:outline-none focus:ring-2 focus:ring-blue-500/50
        focus:bg-white/20 transition-all text-lg"
      placeholder="Search events, workshops, conferences..."
    />
  </SearchInput>

```

```

/>

{ /* Search Actions */ }
<SearchActions className="absolute right-2 top-1/2 transform -translate-y-1/2
                    flex items-center space-x-2">
  <VoiceSearch className="p-2 rounded-lg hover:bg-white/20 transition-colors" />
  <FilterTrigger className="p-2 rounded-lg hover:bg-white/20 transition-colors" />
</SearchActions>
</SearchInput>

{ /* Search Results Dropdown */ }
<SearchResults className="absolute top-full left-0 right-0 mt-2
                        bg-white/95 dark:bg-gray-900/95 backdrop-blur-lg
                        rounded-2xl border border-white/20 shadow-2xl
                        max-h-96 overflow-y-auto z-50">

  { /* Quick Filters */ }
  <QuickFilters className="p-4 border-b border-gray-200/50">
    <FilterChip label="All" active />
    <FilterChip label="Workshops" />
    <FilterChip label="Conferences" />
    <FilterChip label="This Week" />
  </QuickFilters>

  { /* Search Results */ }
  <ResultsList className="p-2">
    <SearchResult className="p-3 rounded-lg hover:bg-white/50
                          dark:hover:bg-gray-800/30 cursor-pointer">

      <ResultIcon />
      <ResultContent>
        <ResultTitle>React Advanced Patterns</ResultTitle>
        <ResultMeta>Workshop • Dec 15 • 247 attending</ResultMeta>
      </ResultContent>
      <ResultActions>
        <QuickRegister />
      </ResultActions>
    </SearchResult>
  </ResultsList>
</SearchResults>
</SearchInterface>

```

## 5. Multi-Step Registration Form

```

// Progressive Registration Flow
<RegistrationWizard className="max-w-2xl mx-auto bg-white/10 backdrop-blur-lg
                            rounded-2xl border border-white/20 overflow-hidden">

  { /* Progress Indicator */ }
  <ProgressHeader className="p-6 border-b border-white/20">
    <StepIndicator>
      <Step active>Personal Info</Step>
      <Step>Preferences</Step>
      <Step>Confirmation</Step>
    </StepIndicator>
  </ProgressHeader>

```

```

{ /* Form Content */}
<FormContent className="p-6">

  { /* Step 1: Personal Information */}
  <FormStep className="space-y-6">
    <FormField>
      <Label className="text-sm font-medium text-gray-700 dark:text-gray-300">
        Full Name
      </Label>
      <Input className="w-full mt-1 px-4 py-3 rounded-lg border border-gray-300
        focus:ring-2 focus:ring-blue-500 focus:border-blue-500
        dark:bg-gray-800 dark:border-gray-600" />
      <FieldHint className="text-xs text-gray-500 mt-1">
        Enter your full name as it appears on your ID
      </FieldHint>
    </FormField>

    <FormField>
      <Label>Email Address</Label>
      <Input type="email" placeholder="student@college.edu" />
      <ValidationMessage type="error" hidden>
        Please enter a valid email address
      </ValidationMessage>
    </FormField>

    <FormField>
      <Label>College</Label>
      <Select placeholder="Select your college">
        <Option value="mit">MIT</Option>
        <Option value="stanford">Stanford</Option>
        <Option value="berkeley">UC Berkeley</Option>
      </Select>
    </FormField>
  </FormStep>

  { /* Step 2: Event Preferences */}
  <FormStep className="space-y-6" hidden>
    <FormField>
      <Label>Areas of Interest</Label>
      <CheckboxGroup>
        <CheckboxItem value="frontend">Frontend Development</CheckboxItem>
        <CheckboxItem value="backend">Backend Development</CheckboxItem>
        <CheckboxItem value="ai">Artificial Intelligence</CheckboxItem>
        <CheckboxItem value="design">UI/UX Design</CheckboxItem>
      </CheckboxGroup>
    </FormField>

    <FormField>
      <Label>Experience Level</Label>
      <RadioGroup>
        <RadioItem value="beginner">Beginner</RadioItem>
        <RadioItem value="intermediate">Intermediate</RadioItem>
        <RadioItem value="advanced">Advanced</RadioItem>
      </RadioGroup>
    </FormField>
  </FormStep>
</FormContent>

```



```

        <FormField>
          <Label>Additional Comments</Label>
          <TextArea placeholder="Tell us about your expectations..." rows={4} />
        </FormField>
      </FormStep>

    {/* Step 3: Confirmation */}
    <FormStep className="space-y-6" hidden>
      <RegistrationSummary className="bg-gray-50 dark:bg-gray-800 rounded-lg p-4">
        <SummaryItem label="Event" value="React Advanced Patterns" />
        <SummaryItem label="Date" value="December 15, 2025" />
        <SummaryItem label="Time" value="2:00 PM - 5:00 PM" />
        <SummaryItem label="Location" value="Auditorium A" />
      </RegistrationSummary>

      <TermsCheckbox>
        <input type="checkbox" required />
        <label>I agree to the Terms and Conditions and Privacy Policy</label>
      </TermsCheckbox>
    </FormStep>
  </FormContent>

  {/* Form Actions */}
  <FormActions className="p-6 border-t border-white/20 flex justify-between">
    <BackButton className="px-6 py-2 text-gray-600 hover:text-gray-800">
      Back
    </BackButton>
    <NextButton className="px-8 py-2 bg-gradient-to-r from-blue-600 to-purple-600
      text-white rounded-lg font-medium hover:from-blue-700
      hover:to-purple-700 transform hover:scale-105 transition-all">
      Continue
    </NextButton>
  </FormActions>
</RegistrationWizard>

```

## ▮ Responsive Layout Structure

### Page Layout Architecture

```

// Main Application Layout
<AppLayout className="min-h-screen bg-gradient-to-br from-blue-50 via-white to-purple-50
  dark:from-gray-900 dark:via-gray-800 dark:to-purple-900">

  {/* Animated Background Elements */}
  <BackgroundElements className="fixed inset-0 overflow-hidden pointer-events-none">
    <FloatingShape className="absolute top-1/4 left-1/4 w-72 h-72 bg-blue-500/10
      rounded-full blur-3xl animate-float" />
    <FloatingShape className="absolute bottom-1/4 right-1/4 w-96 h-96 bg-purple-500/10
      rounded-full blur-3xl animate-float animation-delay-300" />
  </BackgroundElements>

  {/* Navigation */}
  <NavigationHeader />

```

```

{ /* Main Content Area */}
<MainContent className="pt-16">
  <Container className="max-w-7xl mx-auto px-4 sm:px-6 lg:px-8">
    { /* Dynamic page content */}
  </Container>
</MainContent>

{ /* Mobile Bottom Navigation */}
<MobileNavigation className="fixed bottom-0 left-0 right-0 bg-white/95
                        backdrop-blur-lg border-t border-gray-200
                        lg:hidden z-50">
  <NavItem icon="" label="Home" />
  <NavItem icon="" label="Discover" />
  <NavItem icon="" label="My Events" />
  <NavItem icon="" label="Profile" />
</MobileNavigation>

{ /* Global Loading Overlay */}
<LoadingOverlay />

{ /* Toast Notifications */}
<ToastContainer />
</AppLayout>

```

## Event Discovery Page Layout

```

<EventDiscoveryPage className="space-y-8 pb-20 lg:pb-8">

  { /* Hero Section */}
  <HeroSection className="relative overflow-hidden rounded-3xl
                        bg-gradient-to-r from-blue-600 via-purple-600 to-pink-600
                        text-white p-8 lg:p-12">
    <HeroContent className="relative z-10 max-w-4xl">
      <HeroTitle className="text-4xl lg:text-6xl font-bold mb-6 animate-fade-in-up">
        Discover Amazing Events
      </HeroTitle>
      <HeroSubtitle className="text-xl lg:text-2xl opacity-90 mb-8
                            animate-fade-in-up animation-delay-200">
        Connect, learn, and grow with the campus community
      </HeroSubtitle>
      <SearchInterface />
    </HeroContent>

    <HeroBackground className="absolute inset-0">
      <GridPattern className="opacity-20" />
      <GradientOverlay />
    </HeroBackground>
  </HeroSection>

  { /* Quick Stats */}
  <StatsSection className="grid grid-cols-2 lg:grid-cols-4 gap-6">
    <StatCard title="Active Events" value={142} trend={+12} color="blue" />
    <StatCard title="Participants" value={3847} trend={+8} color="purple" />
    <StatCard title="This Month" value={28} trend={-3} color="green" />
  </StatsSection>

```

```

    <StatCard title="Success Rate" value={94} trend={+2} color="orange" />
  </StatsSection>

  {/* Featured Events Carousel */}
  <FeaturedSection>
    <SectionHeader className="flex items-center justify-between mb-6">
      <SectionTitle className="text-2xl lg:text-3xl font-bold text-gray-900 dark:text-white">
        Featured Events
      </SectionTitle>
      <ViewAllLink className="text-blue-600 hover:text-blue-700 font-medium">
        View All →
      </ViewAllLink>
    </SectionHeader>

    <EventCarousel className="relative">
      <CarouselContainer className="overflow-hidden rounded-2xl">
        <CarouselTrack className="flex transition-transform duration-300">
          {featuredEvents.map(event => (
            <CarouselSlide key={event.id} className="min-w-full lg:min-w-1/3">
              <FeaturedEventCard event={event} />
            </CarouselSlide>
          ))}
        </CarouselTrack>
      </CarouselContainer>

      <CarouselControls>
        <PrevButton />
        <NextButton />
        <CarouselDots />
      </CarouselControls>
    </EventCarousel>
  </FeaturedSection>

  {/* Category Filters */}
  <CategorySection>
    <SectionTitle className="text-2xl font-bold text-gray-900 dark:text-white mb-6">
      Browse by Category
    </SectionTitle>

    <CategoryGrid className="grid grid-cols-2 lg:grid-cols-6 gap-4">
      <CategoryCard icon="" label="Competitions" count={23} />
      <CategoryCard icon="" label="Workshops" count={45} />
      <CategoryCard icon="" label="Tech Talks" count={18} />
      <CategoryCard icon="" label="Fests" count={12} />
      <CategoryCard icon="" label="Career Fair" count={8} />
      <CategoryCard icon="" label="Creative" count={15} />
    </CategoryGrid>
  </CategorySection>

  {/* Events Grid */}
  <EventsSection>
    <SectionHeader className="flex items-center justify-between mb-6">
      <SectionTitle className="text-2xl font-bold text-gray-900 dark:text-white">
        All Events
      </SectionTitle>

```

```

        <FilterControls className="flex items-center space-x-4">
          <SortDropdown />
          <ViewToggle />
          <AdvancedFilters />
        </FilterControls>
      </SectionHeader>

      <EventsGrid className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-6">
        {events.map((event, index) => (
          <div key={event.id}
            className="animate-fade-in-up"
            style={{ animationDelay: `${index * 100}ms` }}>
            <EventCard event={event} />
          </div>
        ))}
      </EventsGrid>

      {/* Load More */}
      <LoadMoreSection className="text-center mt-8">
        <LoadMoreButton className="px-8 py-3 bg-gradient-to-r from-blue-600 to-purple-600
          text-white rounded-lg font-medium hover:from-blue-700
          hover:to-purple-700 transform hover:scale-105 transition-

          Load More Events
        </LoadMoreButton>
      </LoadMoreSection>
    </EventsSection>
  </EventDiscoveryPage>

```

## Admin Dashboard Layout

```

<AdminDashboard className="grid grid-cols-1 lg:grid-cols-12 gap-6 pb-20 lg:pb-8">

  {/* Sidebar Navigation */}
  <Sidebar className="lg:col-span-3 xl:col-span-2">
    <SidebarContent className="sticky top-20 space-y-2">
      <SidebarSection>
        <SidebarTitle>Overview</SidebarTitle>
        <NavItem href="/admin" icon="" label="Dashboard" active />
        <NavItem href="/admin/analytics" icon="" label="Analytics" />
      </SidebarSection>

      <SidebarSection>
        <SidebarTitle>Management</SidebarTitle>
        <NavItem href="/admin/events" icon="" label="Events" badge="12" />
        <NavItem href="/admin/students" icon="" label="Students" />
        <NavItem href="/admin/colleges" icon="" label="Colleges" />
      </SidebarSection>

      <SidebarSection>
        <SidebarTitle>Reports</SidebarTitle>
        <NavItem href="/admin/reports" icon="" label="All Reports" />
        <NavItem href="/admin/attendance" icon="✓" label="Attendance" />
        <NavItem href="/admin/feedback" icon="" label="Feedback" />
      </SidebarSection>
    </SidebarContent>

```

```

</Sidebar>

{/* Main Dashboard Content */}
<MainDashboard className="lg:col-span-9 xl:col-span-10 space-y-6">

  {/* Page Header */}
  <DashboardHeader className="flex items-center justify-between">
    <HeaderContent>
      <PageTitle className="text-3xl font-bold text-gray-900 dark:text-white">
        Dashboard Overview
      </PageTitle>
      <PageSubtitle className="text-gray-600 dark:text-gray-400">
        Welcome back! Here's what's happening with your events.
      </PageSubtitle>
    </HeaderContent>

    <HeaderActions className="flex items-center space-x-4">
      <DatePicker />
      <RefreshButton />
      <CreateEventButton />
    </HeaderActions>
  </DashboardHeader>

  {/* Key Metrics */}
  <MetricsGrid className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-6">
    <MetricCard metric="totalEvents" />
    <MetricCard metric="activeRegistrations" />
    <MetricCard metric="averageAttendance" />
    <MetricCard metric="studentSatisfaction" />
  </MetricsGrid>

  {/* Charts Section */}
  <ChartsSection className="grid grid-cols-1 lg:grid-cols-2 gap-6">
    <ChartCard title="Event Registrations Over Time">
      <LineChart data={registrationData} />
    </ChartCard>

    <ChartCard title="Event Types Distribution">
      <DonutChart data={eventTypeData} />
    </ChartCard>

    <ChartCard title="Attendance vs Registration">
      <BarChart data={attendanceData} />
    </ChartCard>

    <ChartCard title="Top Performing Events">
      <RankingChart data={topEventsData} />
    </ChartCard>
  </ChartsSection>

  {/* Recent Activity */}
  <ActivitySection className="grid grid-cols-1 lg:grid-cols-3 gap-6">
    <ActivityCard className="lg:col-span-2">
      <CardHeader>
        <CardTitle>Recent Activity</CardTitle>
        <CardActions>

```

```

        <FilterDropdown />
      </CardActions>
    </CardHeader>
    <ActivityFeed />
  </ActivityCard>

  <UpcomingEvents className="lg:col-span-1">
    <CardHeader>
      <CardTitle>Upcoming Events</CardTitle>
    </CardHeader>
    <EventsList limit={5} />
  </UpcomingEvents>
</ActivitySection>
</MainDashboard>
</AdminDashboard>

```

## ▣ Advanced Animation System

### Custom Animation Classes

```

/* Advanced Tailwind Animations */
@layer utilities {
  /* Glassmorphism Hover Effects */
  .glass-hover {
    @apply transition-all duration-300 hover:bg-white/20 dark:hover:bg-gray-900/30;
    @apply hover:backdrop-blur-xl hover:border-white/30;
  }

  /* Shimmer Loading Effect */
  .animate-shimmer {
    background: linear-gradient(110deg, transparent 25%, rgba(255,255,255,0.4) 50%, transparent 50%);
    background-size: 200% 100%;
    animation: shimmer 2s infinite;
  }

  @keyframes shimmer {
    0% { background-position: 200% 0; }
    100% { background-position: -200% 0; }
  }

  /* Advanced Floating Animation */
  .animate-float {
    animation: float 6s ease-in-out infinite;
  }

  .animate-float-delayed {
    animation: float 6s ease-in-out infinite;
    animation-delay: -2s;
  }

  @keyframes float {
    0%, 100% { transform: translateY(0px) rotate(0deg); }
    33% { transform: translateY(-10px) rotate(1deg); }
    66% { transform: translateY(-5px) rotate(-1deg); }
  }

```

```

}

/* Staggered Fade In */
.animate-fade-in-up {
  opacity: 0;
  transform: translateY(20px);
  animation: fadeInUp 0.8s ease-out forwards;
}

@keyframes fadeInUp {
  to {
    opacity: 1;
    transform: translateY(0);
  }
}

/* Pulse Glow Effect */
.animate-pulse-glow {
  animation: pulseGlow 2s infinite;
}

@keyframes pulseGlow {
  0%, 100% {
    box-shadow: 0 0 20px rgba(59, 130, 246, 0.3);
  }
  50% {
    box-shadow: 0 0 40px rgba(59, 130, 246, 0.6);
  }
}

/* Scale on Hover */
.hover-scale {
  @apply transition-transform duration-200 hover:scale-[1.05];
}

.hover-scale-sm {
  @apply transition-transform duration-200 hover:scale-[1.02];
}

/* Draw Path Animation */
.animate-draw-path {
  stroke-dasharray: 100;
  stroke-dashoffset: 100;
  animation: drawPath 3s ease-in-out infinite;
}

@keyframes drawPath {
  to { stroke-dashoffset: 0; }
}

/* Bounce In */
.animate-bounce-in {
  animation: bounceIn 0.6s ease-out;
}

@keyframes bounceIn {

```

```

    0% { transform: scale(0.3); opacity: 0; }
    50% { transform: scale(1.05); }
    70% { transform: scale(0.9); }
    100% { transform: scale(1); opacity: 1; }
  }

  /* Slide In Animations */
  .animate-slide-in-left {
    animation: slideInLeft 0.5s ease-out;
  }

  .animate-slide-in-right {
    animation: slideInRight 0.5s ease-out;
  }

  @keyframes slideInLeft {
    0% { transform: translateX(-100%); opacity: 0; }
    100% { transform: translateX(0); opacity: 1; }
  }

  @keyframes slideInRight {
    0% { transform: translateX(100%); opacity: 0; }
    100% { transform: translateX(0); opacity: 1; }
  }
}

/* Animation Delays */
.animation-delay-100 { animation-delay: 100ms; }
.animation-delay-200 { animation-delay: 200ms; }
.animation-delay-300 { animation-delay: 300ms; }
.animation-delay-500 { animation-delay: 500ms; }
.animation-delay-700 { animation-delay: 700ms; }

```

## 🔗 Accessibility Excellence

### WCAG 2.1 AAA Compliance Features

- **Color Contrast:** All text combinations meet 7:1 ratio minimum
- **Focus Management:** Visible focus rings with 3px outline and offset
- **Keyboard Navigation:** Complete functionality without mouse
- **Screen Reader Support:** Comprehensive ARIA labels and descriptions
- **Touch Targets:** Minimum 44×44px for all interactive elements
- **Motion Preferences:** Respect prefers-reduced-motion setting
- **High Contrast Mode:** Full support for system high contrast themes
- **Text Scaling:** Support up to 200% zoom without horizontal scrolling



## Semantic HTML Structure

```
// Accessible Component Structure
<main role="main" aria-labelledby="page-title">
  <h1 id="page-title" className="sr-only">Campus Event Management</h1>

  <nav role="navigation" aria-label="Main navigation">
    <ul role="menubar">
      <li role="none">
        <a role="menuitem" aria-current="page">Events</a>
      </li>
    </ul>
  </nav>

  <section aria-labelledby="events-heading">
    <h2 id="events-heading">Upcoming Events</h2>
    <div role="grid" aria-label="Events list">
      <article role="gridcell" tabIndex={0}>
        <h3>Event Title</h3>
        <p>Event description</p>
        <button aria-describedby="register-help">Register</button>
        <div id="register-help" className="sr-only">
          Click to register for this event
        </div>
      </article>
    </div>
  </section>
</main>
```

## ▮ Performance Optimization

### Performance Targets

- **First Contentful Paint:** < 1.2s
- **Largest Contentful Paint:** < 2.0s
- **Cumulative Layout Shift:** < 0.05
- **First Input Delay:** < 50ms
- **Time to Interactive:** < 2.5s

### Optimization Strategies

- **Code Splitting:** Route-based and component-based splitting
- **Image Optimization:** WebP format with fallbacks, lazy loading
- **Bundle Analysis:** Webpack bundle analyzer integration
- **Caching Strategy:** Aggressive caching with service workers
- **CDN Integration:** Static asset delivery optimization
- **Tree Shaking:** Remove unused CSS and JavaScript

## ▮ Technical Implementation Notes

### Required Dependencies

```
{
  "dependencies": {
    "react": "^18.0.0",
    "typescript": "^5.0.0",
    "tailwindcss": "^3.3.0",
    "@headlessui/react": "^1.7.0",
    "@heroicons/react": "^2.0.0",
    "framer-motion": "^10.0.0",
    "date-fns": "^2.29.0",
    "react-hook-form": "^7.43.0",
    "zod": "^3.21.0"
  }
}
```

### Tailwind Configuration

```
// tailwind.config.js
module.exports = {
  content: ['./src/**/*.{js,jsx,ts,tsx}'],
  darkMode: 'class',
  theme: {
    extend: {
      colors: {
        brand: {
          gold: '#d4af37',
          navy: '#0a1628',
          copper: '#b08d57',
          champagne: '#f7e7ce',
        },
        electric: {
          orange: '#ff6b35',
          cyan: '#00f5ff',
          magenta: '#ff1744',
          lime: '#32cd32',
        },
      },
    },
    fontFamily: {
      sans: ['Inter', 'system-ui', 'sans-serif'],
    },
    backdropBlur: {
      xs: '2px',
    },
    animation: {
      'fade-in-up': 'fadeInUp 0.8s ease-out',
      'shimmer': 'shimmer 2s infinite',
      'float': 'float 6s ease-in-out infinite',
      'pulse-glow': 'pulseGlow 2s infinite',
    },
  },
}
```

```
  },
  plugins: [
    require('@tailwindcss/forms'),
    require('@tailwindcss/typography'),
    require('@tailwindcss/aspect-ratio'),
  ]
}
```

This comprehensive Lovable prompt will create a stunning, modern Campus Event Management Platform that impresses evaluators with its cutting-edge design, smooth animations, and professional execution while maintaining excellent accessibility and performance standards.

✱✱

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5. <https://verpex.com/blog/website-tips/best-color-combinations-for-educational-websites>
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