

# WEB DESIGN WORKSHOP(K24IT12P)

**Electro Pulse- Music Festival Website**

## **Project Report**

**BACHELOR OF TECHNOLOGY**

**in**

**Computer Science and Engineering (Artificial Intelligence)**

**Section A**



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## Project Description

The Music Festival Website is a dynamic platform created to connect festival-goers with a seamless source of all relevant event information. Its primary objective is to offer users a streamlined way to explore artist lineups, event schedules, ticket booking options, and venue details. The website focuses on delivering a vibrant, visually rich, and interactive experience to reflect the energy and atmosphere of the festival itself.

The project emphasizes a **user-centric design** to cater to diverse demographics, from enthusiastic first-time festival attendees to seasoned music lovers. The website ensures accessibility and responsiveness, providing a high-quality experience across desktops, tablets, and mobile devices.

Key goals of the project include:

- **Effortless Navigation:** Users can quickly access the details they need, from schedules and ticket prices to venue maps and FAQs.
- **Immersive Visuals:** Through engaging images, videos, and animations, the site captures the lively and dynamic essence of the festival.
- **Interactive Features:** Users can filter schedules, preview artists' work, and stay updated with real-time notifications for changes or announcements.

- **Scalability:** The website is designed to evolve, incorporating advanced features like user accounts, personalized schedules, and multilingual support in future versions.

The use of HTML, CSS, and JavaScript ensures the site is robust, efficient, and easily maintainable. This project represents an essential component of the festival's digital identity, fostering excitement and ensuring seamless communication with the audience.

## Team Description

- **Aditya Kanaujiya:**  
Conducted extensive user research to understand the target audience's needs and preferences, providing valuable insights that shaped the website's design and functionality.
- **Aditya Sikarwar:**  
Focused on coding the website using HTML, CSS, and JavaScript, ensuring a seamless, responsive, and interactive user experience.
- **Adyanshi Singh:**  
Designed the user interface (UI), crafting visually appealing layouts, choosing color schemes, and optimizing the website for aesthetic appeal and usability.
- **Anshika Gautam:**  
Worked on prototyping, translating ideas into interactive models that guided the development process.
- **Alok Verma:** Created detailed wireframes to establish the website's structure and flow, ensuring clear navigation and functionality.

This collaborative effort resulted in a cohesive and user-friendly music festival website.

## Tools Used

The development of the Music Festival Website relied on a combination of core technologies and supportive tools:

- **HTML (Hyper Text Markup Language):**
- HTML formed the backbone of the website, structuring content into well-organized sections. It ensured that key elements like headers, images, and text were properly displayed and easily accessible to users.
- **CSS (Cascading Style Sheets):**

CSS was used extensively to enhance the visual appeal of the site. It defined the color schemes, typography, layouts, and animations that gave the website its vibrant and modern aesthetic. Media queries ensured the site was responsive and adaptable to different screen sizes.

- **JavaScript:**

JavaScript added interactivity and functionality to the website. It powered features like dropdown menus, real-time event updates, and schedule filters. JavaScript ensured users could interact with the site seamlessly, enhancing their overall experience.

## Features of the Software

The Music Festival Website includes several key features designed to provide a rich and engaging user experience:

1. **Event Schedule and Lineup:**
  - a. Displays detailed event schedules organized by day, time, and stage.
  - b. Allows users to filter performances by genre, artist, or time slot for easier navigation.
2. **Ticket Booking System** (future implementation):

- a. Enables users to select tickets, view pricing details, and make secure payments.
  - b. Provides discounts and promotional offers, such as early bird or group booking options.
- 3. **Responsive Design:**
  - a. Ensures optimal performance across all devices, from desktops to smartphones.
  - b. Incorporates media queries and adaptive layouts for a seamless user experience.
- 4. **Interactive Features:**
  - a. Allows users to view artist profiles with embedded videos and music previews.
  - b. Integrates with social media platforms for easy sharing and promotion.
- 5. **Venue Information:**
  - a. Provides interactive maps showing parking areas, food stalls, restrooms, and performance stages.
- 6. **Gallery Section:**
  - a. Features a curated collection of photos and videos from previous festivals to build excitement and showcase the event's energy.
- 7. **Real-Time Updates:**
  - a. Sends notifications about schedule changes, weather updates, and other critical information directly on the homepage.

## **Flowcharts and Screenshots**

### **Flowcharts**

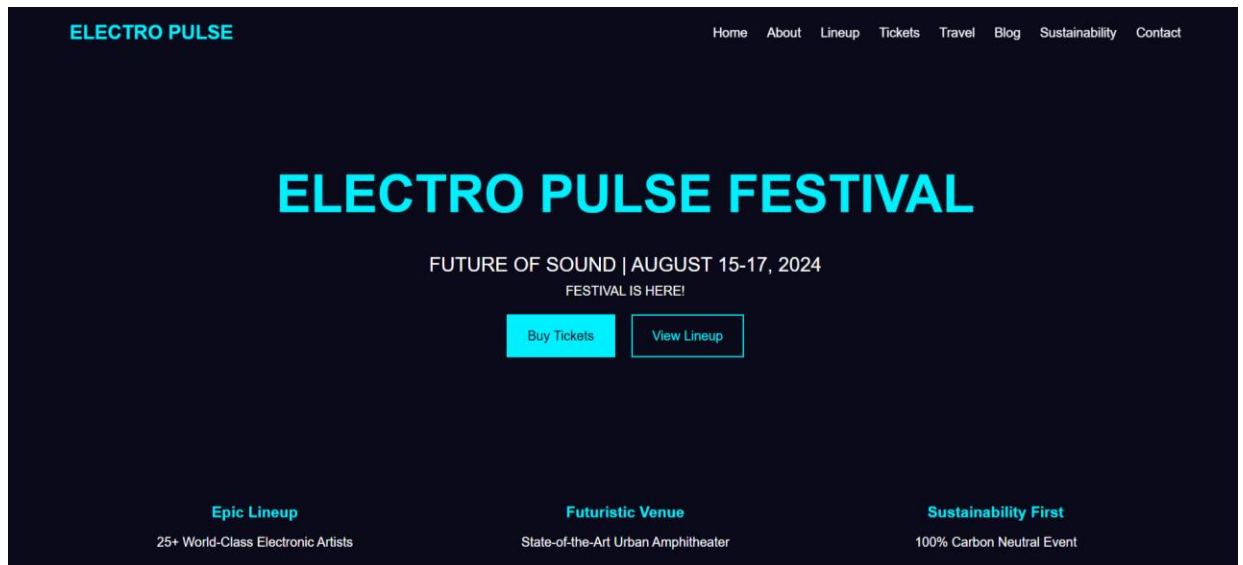
1. **User Journey for Ticket Booking:**

- a. Home Page → Event Lineup → Select Tickets → Payment → Confirmation.
2. **User Journey for Artist Exploration:**
- a. Home Page → Artist Page → View Bios and Media → Share/Bookmark.

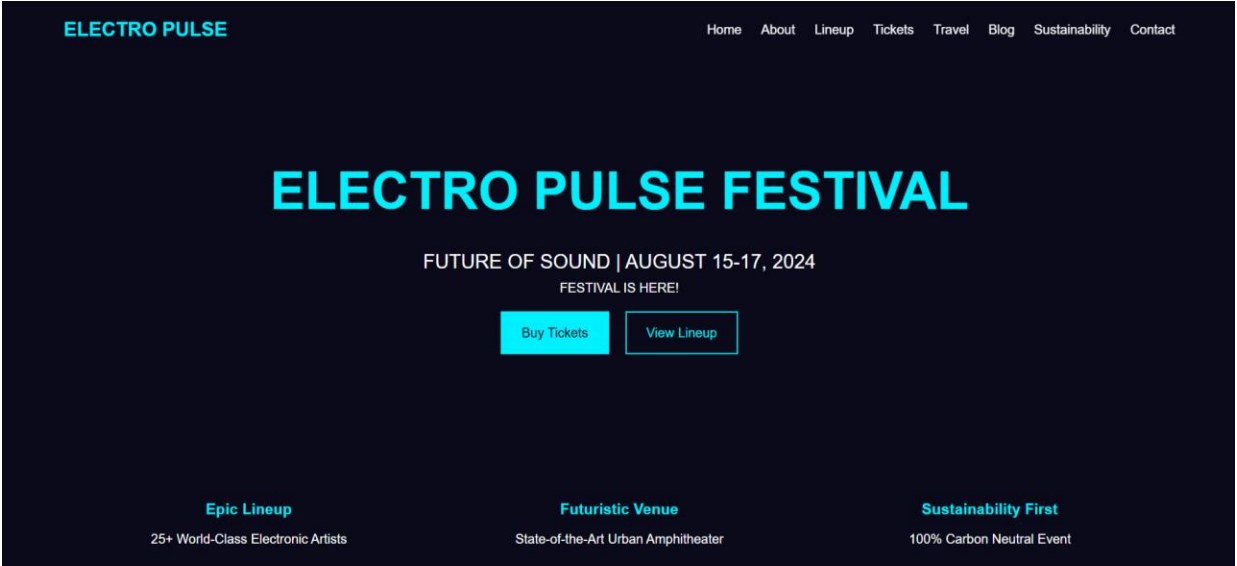
## Screenshots

Screenshots include:

- **Homepage:**



- **Ticket Booking Page:**



- **Lineup Page:**

ELECTRO PULSE

[Home](#)[About](#)[Lineup](#)[Tickets](#)[Travel](#)[Blog](#)[Sustainability](#)[Contact](#)

# FESTIVAL LINEUP

25+ WORLD-CLASS ELECTRONIC ARTISTS

All Genres


All Stages

All Stages

Main Stage

Electronic Arena


Underground Stage



DIGITAL PROPHET

Techno Innovator

Main Stage August 15, 22:00



NEON PULSE

House Music Maestro

Electronic Arena August 16, 20:00

## FESTIVAL STAGE MAP

Main Stage

Electronic Arena

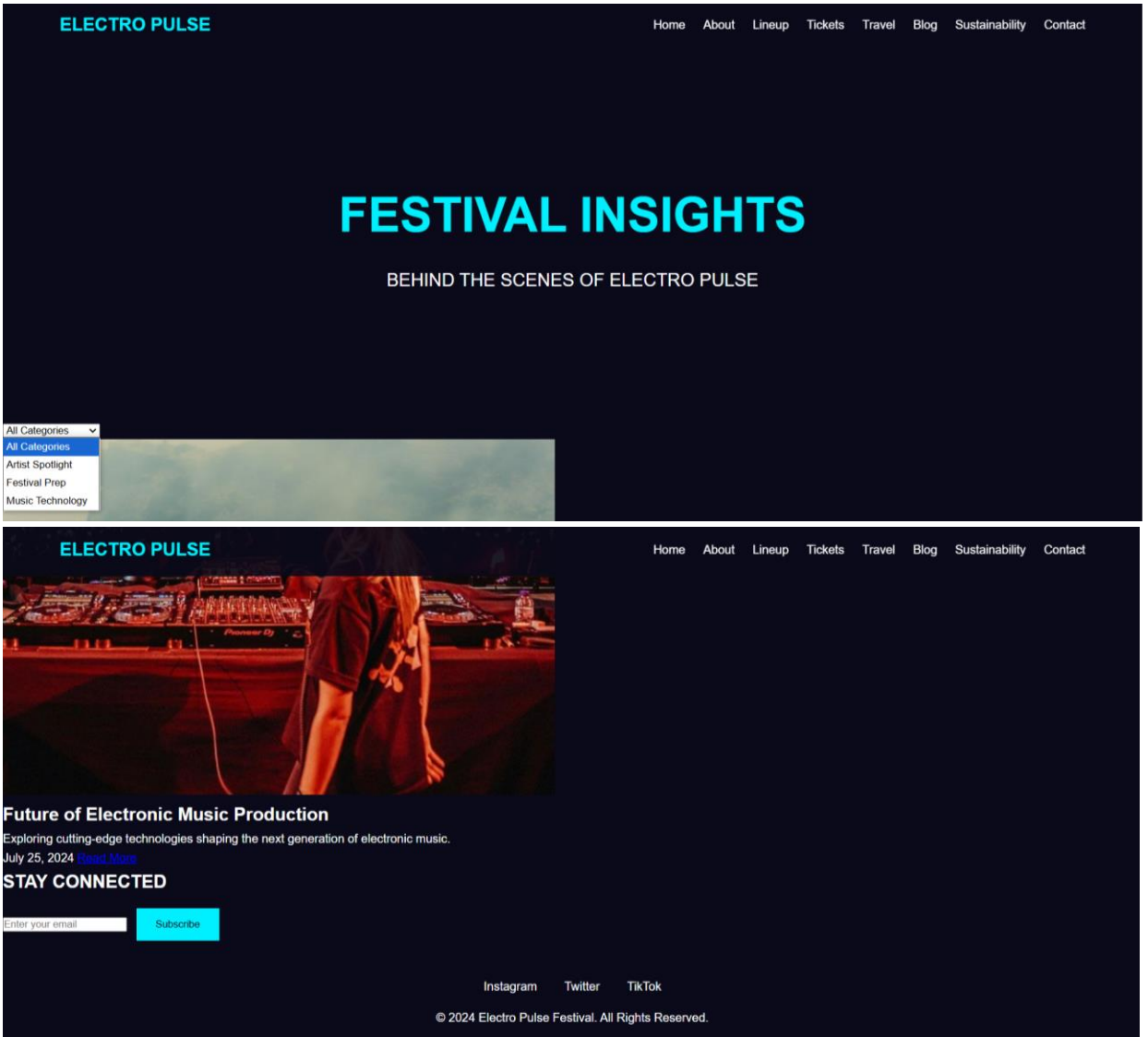
Underground Stage

[Instagram](#)[Twitter](#)[TikTok](#)

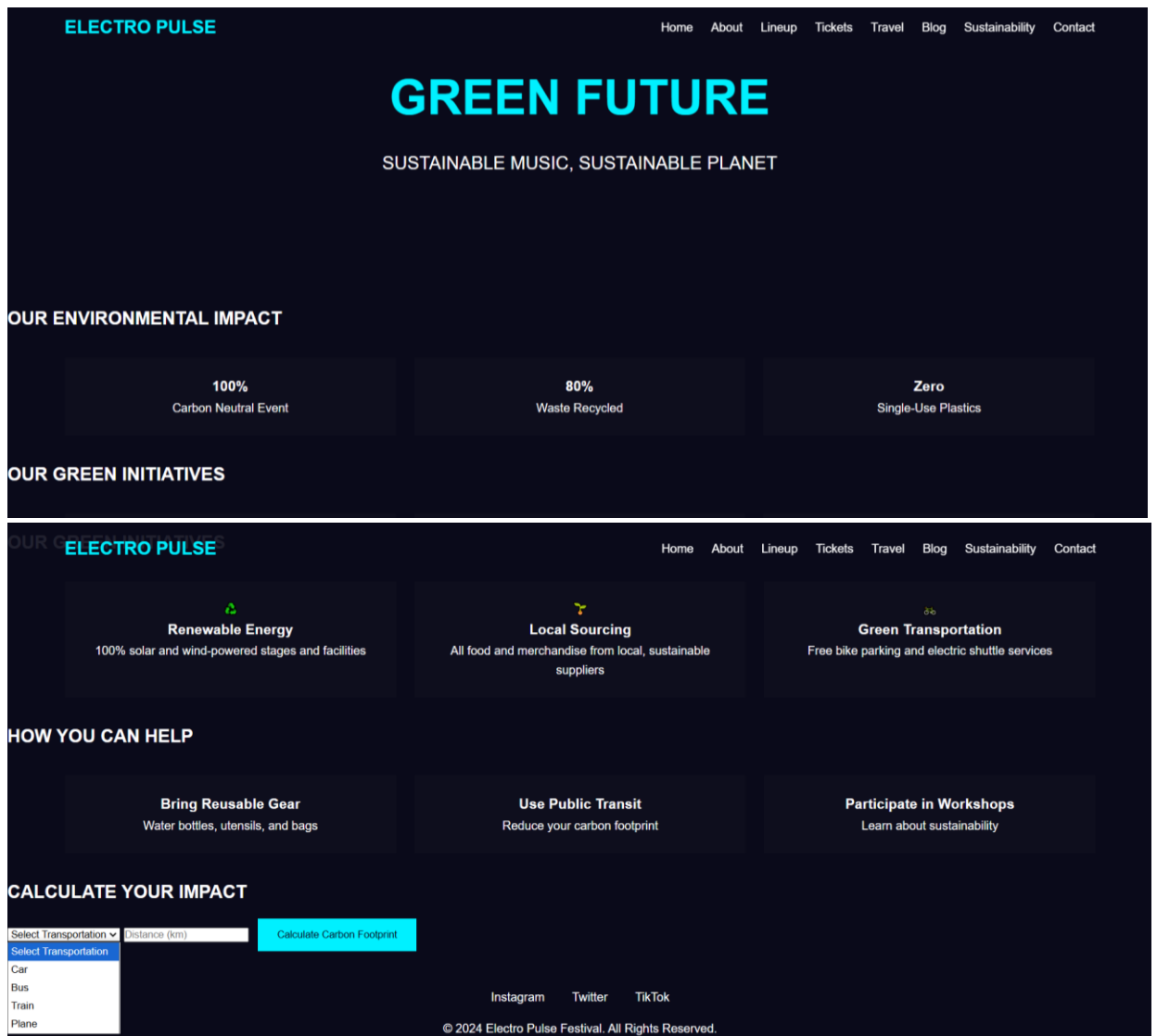
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- **Blog Page:**





- Sustainability Page:



## Future Implementation

### 1. Backend Integration:

- Implement dynamic features like real-time ticket availability and user authentication.
- Develop secure payment systems for ticket booking.

### 2. Mobile Application:

- Design and launch a mobile app offering offline access to schedules and maps.

**3. Advanced Personalization:**

- a. Allow users to create personalized schedules and receive recommendations based on their preferences.

**4. Multilingual Support:**

- a. Expand accessibility by supporting multiple languages for global audiences.

**5. Eco-Friendly Features:**

- a. Introduce sustainability-focused initiatives, such as waste management tips and carbon offset options during ticket purchases.

**6. User Reviews and Ratings:**

- a. Enable users to share feedback on performances and facilities to improve the experience.