Title: University Events Calendar

As a Project Work for Course

INTERNET PROGRAMMING LABORATORY (CSE 326)

By

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INTRODUCTION:

- Certainly! An academic institution's events calendar serves as a comprehensive schedule of various activities, gatherings, and important dates throughout the academic year. It is a dynamic tool that keeps students, faculty, staff, and the broader community informed about upcoming events and key milestones within the university.

- The events calendar typically includes a diverse range of activities such as academic lectures, workshops, seminars, cultural events, sports competitions, social gatherings, and administrative deadlines. This comprehensive schedule reflects the vibrant and multifaceted nature of university life, catering to the diverse interests and needs of the university community.

Technologies Used

The project is implemented using HTML, CSS, and JavaScript. The core functionality is built upon JavaScript, allowing for dynamic interactions and data manipulation on the client side. Local storage is utilized to store user data, ensuring that the selected meal plans persist across page reloads. The application's user interface is designed with HTML and styled using CSS to create an aesthetically pleasing and intuitive experience

HTML:

HTML is used to create the overlay or structure of the webpage later used attributes from different tags to trigger JavaScript functions to load all the details to the webpage.

CSS:

CSS is not only used for styling of the page but also improved the webpage with responsive design which in other words makes the webpage compatible with many devices not only desktop.

Artificial Intelligence

AI(ChatGPT) plays a crucial role in the project; it created a sample dataset to replicate the backend in the JavaScript. We have used this because we are not specialized in backend development and the process involved in the development

1.Modules

- Data collection

The project begins by defining predefined datasets for events which is currently happening on LPU. Each item includes details such as the event name,event date,event venue,event time

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```
//setting the predefined datasets so i can use it later
const eventdates = [

];
const eventmonth = [

];
const eventyear = [

];
```

2. Option Generation

The available event informations are dynamically generated as HTML option tags within the select elements on the page. This is achieved by iterating through the predefined datasets for event venue, event detailes

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>UNIVERSITY EVENTS CALANDER</title>
    <link rel="stylesheet" href="style.css"/>
</head>
<body>

    <div class="event-container">
        <h3 class="year">2023</h3>
        <div class="event">
            <div class="event-left">
                <div class="event-date">
                    <div class="date">8</div>
                    <div class="month">Nov</div>
        </div>

            </div>
            <div clas="event-right">
                <h3 class="event-title">coke studio bharat</h3>
                <div class="event-description">
                    venue:unipolis
                </div>

                <div class="event-timing">
                    <img src= "images/time.png" alt="" />6:00pm
                </div>

            </div>
        </div>
    </div>
```

3. Functions for Getting Event Details

Functions are implemented to retrieve details of the selected events(Time,Place,Date) when the user go to website . These details include event time event place event countdown, event speciality

```css
.event-container {
    font-family: "Roboto", sans-serif;
    max-width: 800px;
    margin: 0 auto;
}

.event-container h3.year {
    font-size: 40px;
    text-align: center;
    border-bottom: 1px solid #b1b1b1;
}

.event-container .event {
    box-shadow: 0 4px 16px -8px rgba(0, 0, 0, 0.4);
    display: flex;
    border-radius: 8px;
    margin: 32px 0;
}

.event .event-left {
    background: #222;
    min-width: 82px;
    display: flex;
    align-items: center;
    justify-content: center;
    color: #eee;
    padding: 8px 48px;
    font-weight: bold;
    text-align: center;
    border-radius: 8px 0 0 8px;
}

.event .event-left .date {
    font-size: 56px;
```

4. Local Storage Handling

The project utilizes local storage to persist user data. Lists of dates, event plans, and ingredients are stored locally, allowing the application to display previous plans even after a page reload.

```
let eventslist=JSON.parse(localStorage.getDate('date'));
let monthlist=JSON.parse(localStorage.getMonth('month'));
let tablelist=JSON.parse(localStorage.getYear('year'));
```

5. Table Creation

A function is implemented to create a table dynamically, summarizing the selected event plans for a specific date. The table includes details such as date, venue, ingredients, event name,time. Duplicate tables are prevented, and the data is updated in local storage.

```css
.event .event-right .event-timing
img{
    height: 20px;
    padding-right: 8px;
}


@media (max-width: 550px) {
    .event{
        flex-direction: column;
    }

    .event .event-left {
        padding: 0;
        border-radius: 8px 8px 0 0;
    }

    .event .event-left .event-date .date ,
    .event .event-left .event-date .month{
        display: inline-block;
        font-size: 24px;
    }

    .event .event-left .event-date {
        padding: 10px 0;
    }
}
```

6. Data Display on Homepage

Upon reloading the homepage, the stored data is retrieved from local storage and displayed on the webpage, providing users with a summary of their event plans

```
if (tablelist != null)
{
let tabledata='';
for(let i=0;i<tablelist.length;i++)
}
if (location.pathname == '/RG/event generator2.html')

document.querySelector('.dataformjs').innerHTML=tabledata
}
```

7. Printing Functionality

A function is implemented to navigate to a print-friendly page containing the event list for the selected date. This allows users to print or save their event lists for offline use. The use can also take screenshots without any restrictions for further use.

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}
```

8. No Restriction on Past Dates

An input validation function ensures that users can see or select past dates for event planning, improving the application's usability.

```javascript
function pastDays()
{
    var dtToday = new Date();
    var month = dtToday.getMonth() + 1;
    var year = dtToday.getFullYear();
    if(month < 10)
        month = '0' + month.toString();
    if(day < 10)
        day = '0' + day.toString();
    var maxDate = year + '-' + month + '-' + day;


    $('txtDate').attr('min', maxDate);
}
```

WEBSITE SNAPSHOTS

Main overview of the website:

2023

30 Nov

International Conference On Philosophy Of Peace Justice And Equality

Venue:Baldev Raj Mittal Uni Auditorium

10:00am

2024

5 Jan

Indian Science Congress

Venue:Lovely Professional University

11:00am

CODE SCREENSHOTS:
HTML

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}
```

REFERENCES:

1.https://github.com/tej53/Events-Calander

2.https://www.w3schools.com

3.https://openai.com

4.https://stackoverflow.com