



# VIKRANT UNIVERSITY, GWALIOR

## Masterclass Report

on

### **“Web Development Using AI”**

On the occasion of National Technology Day, the AI Club, Vikrant University, Gwalior, successfully organized an insightful online masterclass titled “Web Development Using AI” on 11/05/2026. The session was conducted with the objective of introducing students to modern web development technologies integrated with Artificial Intelligence tools and applications. The masterclass focused on the fundamentals of HTML, CSS, JavaScript, AI integration using Gemini API, portfolio website development, and project deployment platforms. The event witnessed enthusiastic participation from students across various schools of the university and promoted innovation, creativity, and technology-driven learning aligned with the spirit of National Technology Day.

<b>Academic Year</b>	2025-2026
<b>Activity Driven By</b>	AI Club, Vikrant University, Gwalior
<b>Quarter</b>	4th
<b>Activity Name</b>	Masterclass on “Web Development Using AI”
<b>Program Theme</b>	Integration of Artificial Intelligence in Modern Web Development
<b>Program Starts Date</b>	11/05/2026
<b>Program Ending Date</b>	11/05/2026
<b>Number of participants</b>	30+ students and faculty members of AI Club
<b>Occasion</b>	National Technology Day
<b>Mode of Delivery</b>	Online (Google Meet)
<b>Objectives</b>	<ul style="list-style-type: none"><li>• To celebrate National Technology Day by promoting awareness about emerging technologies and Artificial Intelligence.</li><li>• To introduce students to the fundamentals of web development using HTML, CSS, and JavaScript.</li><li>• To provide practical exposure to AI integration in web applications using Gemini API.</li><li>• To develop understanding of modern website design and portfolio development.</li><li>• To familiarize students with useful development and deployment tools.</li><li>• To encourage innovation, creativity, and technology-driven learning among students.</li></ul>
<b>Benefits in terms of learning/skill/knowledge development</b>	<ul style="list-style-type: none"><li>• Enhanced understanding of modern web development technologies.</li><li>• Hands-on exposure to HTML, CSS, and JavaScript fundamentals.</li><li>• Knowledge regarding AI integration in websites using Gemini API.</li></ul>



	<ul style="list-style-type: none"><li>• Improved practical understanding of portfolio website development.</li><li>• Awareness about development platforms and deployment tools such as GitHub, Vercel, and Netlify.</li><li>• Encouragement towards innovation, creativity, and AI-driven project development.</li></ul>
<b>Program Coordinator</b>	Prof. Bulbul Agrawal and Prof. Madhwan Upadhyay, Faculty Coordinators, AI Club, Vikrant University, Gwalior

## Overall Report of the Activity

**Date:** 11th May, 2026

**Subject:** Masterclass on “Web Development Using AI”

### **Introduction:**

On the occasion of National Technology Day, the AI Club, Vikrant University, Gwalior, organized an engaging and informative online masterclass titled “Web Development Using AI” on 11 May 2026. The session aimed to promote awareness about modern technologies and inspire students to explore the integration of Artificial Intelligence in web development. The masterclass was organized to provide practical exposure to web development fundamentals along with AI-powered technologies that are transforming the future of digital applications. The session emphasized innovation, creativity, and skill enhancement in alignment with the spirit of National Technology Day. Students from various schools and departments of Vikrant University actively participated in the session and showed great enthusiasm throughout the learning activities and demonstrations.

### **Participants:**

More than 30 students from different schools and departments of Vikrant University actively participated in the online masterclass. The participants enthusiastically engaged in discussions, practical demonstrations, and interactive learning activities during the session.

### **Description:**

The online masterclass was successfully conducted under the banner of the AI Club, Vikrant University. The session was led by Mr. Virendra Singh Shakhyawar, Technical Lead, AI Club, Vikrant University, who delivered an insightful presentation on web development technologies and AI integration. The session began with an introduction to the fundamentals of web development and the role of HTML, CSS, and JavaScript in designing and developing modern websites. Participants learned that:

- HTML is used to create the structure of a webpage.
- CSS is used for styling and designing webpages.
- JavaScript is used to add interactivity and dynamic functionality.

The session included practical demonstrations of important HTML tags such as headings, paragraphs, images, and buttons. Students also learned how CSS can be used to enhance the visual appearance of webpages through colors, fonts, spacing, and layout design. During the JavaScript segment, participants understood the concept of click events and dynamic interactions. A practical example was demonstrated where clicking a button displayed a success



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message on the webpage. The session also introduced several useful tools and resources for web development, including: Live Server, MDN Web Docs, Color Hunt, and Uiverse.

One of the major highlights of the masterclass was portfolio website development. Students learned the important sections required in a professional portfolio website, including: Header, Hero Section, Skills/Services, Projects, and Footer.

Special emphasis was given to integrating Artificial Intelligence into websites using the Gemini API. The session demonstrated how AI-generated responses can be displayed directly on a webpage using JavaScript and API integration techniques. The participants were also introduced to project deployment platforms such as GitHub, Vercel, Netlify, Render, and MongoDB for hosting and managing web applications. The session remained highly interactive and informative throughout. Students actively participated, asked questions, and shared highly positive feedback at the end of the session.

## Outcome of the Activity:

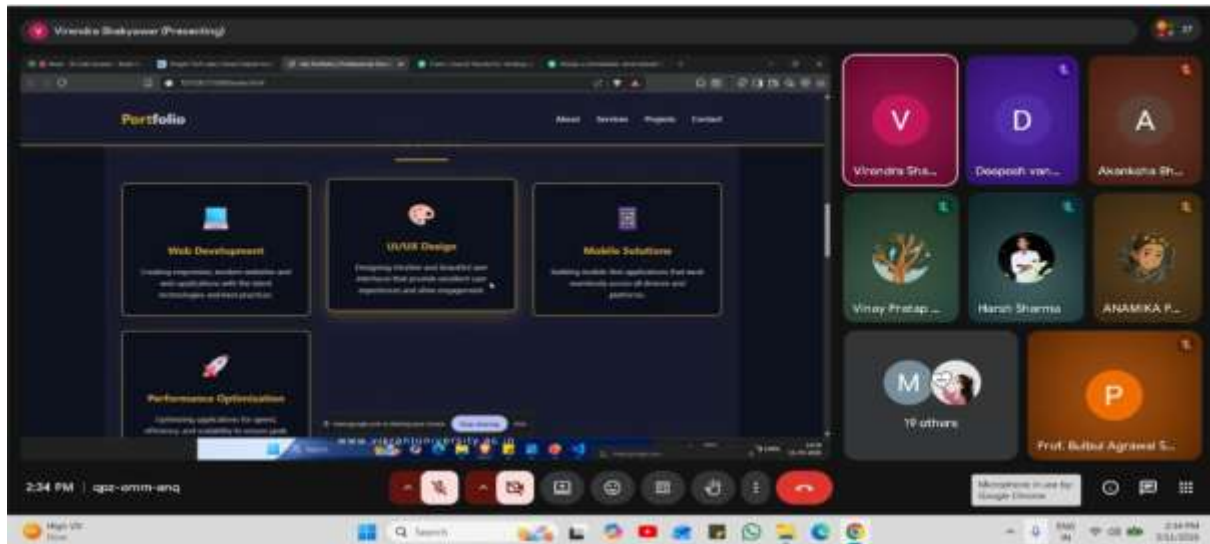
- Students gained practical understanding of HTML, CSS, and JavaScript fundamentals.
- Participants learned how Artificial Intelligence can be integrated into websites using Gemini API.
- The session enhanced awareness regarding modern web development tools and technologies.
- Students developed understanding of portfolio website design and structure.
- Participants learned about project deployment and hosting platforms including GitHub, Vercel, and Netlify.
- The activity encouraged innovation, creativity, and interest in AI-driven web development.
- Students provided highly positive feedback and appreciated the practical and interactive nature of the masterclass.

## Conclusion:

The masterclass on “Web Development Using AI” proved to be highly informative, engaging, and beneficial for all participants. Organized on the occasion of National Technology Day, the session successfully promoted awareness about emerging technologies, Artificial Intelligence, and modern web development practices. The activity inspired students to explore AI-powered innovation and real-world project development while strengthening their technical understanding and practical skills. The enthusiastic participation and positive response from students reflected the growing interest in Artificial Intelligence and technology-driven learning.

## Glimpses of the masterclass:







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Poster of the masterclass:

