PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CSE (DATA SCIENCE)

Date: 22-02-2026

A Report on Workshop Web Development Using AI Tools

Title: An Interactive Session on Web Development Using AI Tools

Speaker: M/s. Brain O Vision Solutions India Pvt. Ltd. Hyderabad

Organized by: Department of CSE (Data Science) under the Society for Data Science Student Chapter

Designation: M/s. Brain O Vision Solutions India Pvt. Ltd, Hyderabad, with10 years of experience in the IT industry.

Date: 19-02-2026 to 21-02-2026

No. of Participants: 151

The Department of Computer Science & Engineering (Data Science), under the aegis of the Society for Data Science Student Chapter, successfully organized an interactive 3 Day Workshop on "Web Development Using AI Tools" from **19th February 2026 to 21st February 2026.** The workshop was delivered by, M/s. Brain O Vision Solutions India Pvt. Ltd, Hyderabad. The event witnessed an enthusiastic participation of **151 students of I-Year students** from the CSE (Data Science) and Electrical and Electronics Engineering departments.

Day 1: Front-End Development Using AI Tools

Web development is the process of designing, building, and maintaining websites and web applications. With the advancement of Artificial Intelligence (AI), modern web development has become faster and more efficient. AI tools assist developers in generating code, designing layouts, debugging errors, optimizing performance, and improving user experience. Front-end development focuses on the visual and interactive components of a website. It mainly includes HTML for structure, CSS for styling, and JavaScript for interactivity.

Objectives of Day 1:

To automate coding tasks using AI tools.

To generate responsive UI designs efficiently.

To improve debugging and error detection.

To enhance website performance and SEO.

To speed up the development process.

Activities Performed on Day 1

1. Introduction to AI tools used in web development.
2. Generating HTML structure using AI.
3. Applying CSS styling with AI suggestions.
4. Adding JavaScript for interactivity.
5. Building responsive layouts using AI assistance.
6. Debugging and optimizing code using AI tools.

Day 2 Report: Backend Connectivity Using XAMPP Server:

On Day 2, the focus was on backend development and establishing connectivity between the front-end application and the database using the XAMPP server. Backend connectivity allows storing, retrieving, updating, and deleting data from a database through server-side scripting.

Objectives of Day 2

- To understand backend architecture.
- To install and configure XAMPP server.

- To connect PHP with MySQL database.
- To perform CRUD operations.
- To integrate frontend forms with backend database.

Introduction to XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package. It includes Apache (web server), MySQL (database), PHP (server-side scripting), and php My Admin (database management tool). It allows developers to run websites locally.

Activities Performed on Day 2

Installation of XAMPP

Downloaded and installed XAMPP. Started Apache and MySQL services from the XAMPP Control Panel and verified server using http://localhost/.

Database Creation

Created a database named 'student_db' using phpMyAdmin and created a table named 'students' with fields: id, name, email, and course.

Backend Script Development (PHP)

Created a PHP file to connect to MySQL database using mysqli connect() and verified successful connection.

Day 3 Report: Project Uploading in GitHub Account of Students

This report describes the process of uploading student projects to GitHub. GitHub is a web-based platform used for version control and project hosting. It allows students to store, manage, and share their project source code online.

Objectives of Day 3:

- To create a GitHub account for students.
- To understand Git and version control concepts.
- To create a new repository.
- To upload project files to GitHub.
- To manage and update project versions.

Steps for Uploading Project to GitHub

Step 1: Create a GitHub account using a valid email address.
Step 2: Login to the GitHub account.
Step 3: Click on 'New Repository' and provide repository name and description.
Step 4: Choose public or private repository option.
Step 5: Click on 'Create Repository'.
Step 6: Upload project files using 'Upload Files' option or using Git commands.
Step 7: Add commit message and click 'Commit Changes
Step 8: Verify that project files are successfully uploaded.

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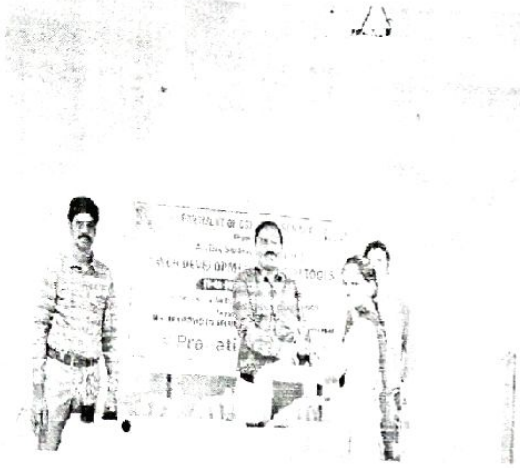

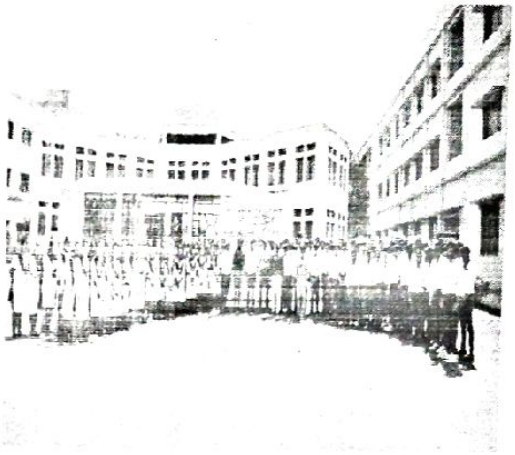

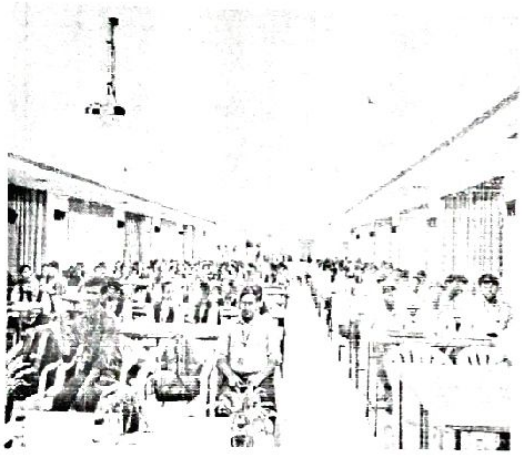

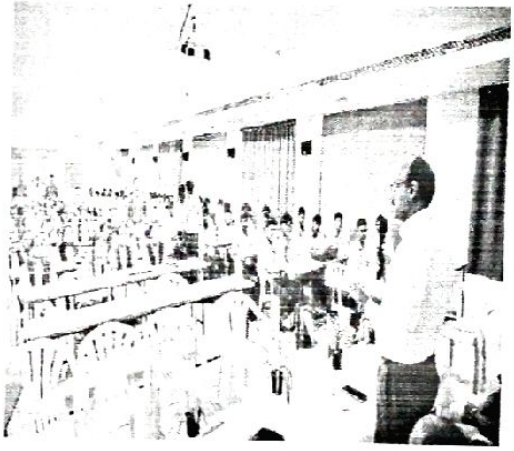

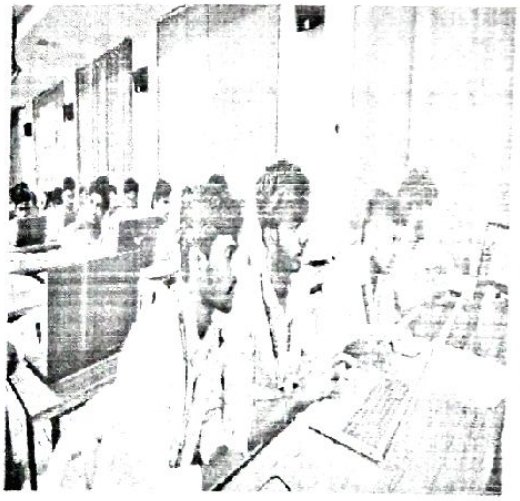

Faculty Coordinator

HoD-CSE (Data Science)

10/2/2026

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Enclosure: Student Attendance