



CET-223

Web Technologies

Experiment # 27

Experiment Title

Open-Ended Activity - IV

Assessment of CLO(s): 04

Performed on _____

Student Name:			
Roll No.		Group	
Semester		Session	

Total (Max)	Performance (03)	Viva (03)	File (04)	Total (10)
Marks Obtained				
Remarks (if any)				

Experiment evaluated by

Instructor's Name	Engr. Bilal Iqbal		
Date		Signature	

OBJECTIVE:

Create a simple personal blog website where users can read blog posts and submit their comments.

Task Description:

Create a personal blog website where you can post blog articles, and users can view them and leave comments. The data (posts and comments) will be stored in a MongoDB database.

Instructions:

Frontend Development

1. HTML

- Create a simple web page that includes:
 - **Home Page:** Display the latest blog posts with their titles, dates, and a brief preview of each post.
 - **Single Blog Post Page:** When a user clicks on a post title, it should open a page displaying the full blog post along with a comment section.
 - **Comment Section:** A form to submit a comment (name and message).

2. CSS

- Style your blog website using custom CSS to make it clean and visually appealing.
- Ensure that the text is readable, and the layout is easy to navigate.

3. Bootstrap

- Use Bootstrap for creating a responsive navigation bar, grids for displaying blog posts, and a responsive layout for the blog pages and comment form.
- Make sure the website looks good on both desktop and mobile screens.

4. JavaScript

- Use JavaScript to:
 - Add form validation for the comment submission (check if the name and message are not empty).

Back-End Development

1. PHP

- Create PHP script to handle storing and displaying user comments on each blog post.

2. MongoDB

- Set up collection in MongoDB:
 - **Comments:** Each document will contain the commenter's name, the message, and the post they are commenting on.

Deploy Locally

- Use XAMPP to deploy your blog application locally and test all the functionality, including posting new comments and viewing blog posts.