**GOVERNMENT COLLEGE OF ENGINEERING ERODE**



B.E Electronics and Communication Engineering

**PERSONAL BLOG ON IBM CLOUD STATIC**

**WEB APPS**

**Name of the Students: University Register no:**

P. VISHAL au731121106053

A. MOHAMED ASFAQUE aut21ecetr66

B. MOHAN RAJ aut21ecetr65

Under the mentor of

**Dr. M. Sathyakala**

**Assistant professor, Dept. of IT Department of Information Technology (IT)**

**Department of Electronics and Communication Engineering**

Government College of Engineering

Erode, PO, near Vasavi College, TamilNadu-638316,

Affiliated to Anna University, Chennai

**Creating a Personal Blog on IBM Cloud Static Web Apps in Cloud Computing**

**Introduction:**

In today's digital age, having an online presence is essential. Whether you're a developer, a writer, or just passionate about a particular topic, creating a personal blog can help you share your thoughts and expertise with the world. With the advent of cloud computing, hosting a website has become easier and more efficient. In this project, we'll explore how to create a personal blog using IBM Cloud's Static Web Apps service, which leverages cloud computing technologies to host static websites seamlessly.

**Prerequisites:**

- Basic understanding of HTML, CSS, and JavaScript.

- An IBM Cloud account. If you don't have one, you can sign up [here](<https://cloud.ibm.com/registration>).

- Basic knowledge of using the IBM Cloud dashboard.

**Step 1: Set Up Your Blogging Environment:**

1.Create a New Static Web App:

- Log in to your IBM Cloud account.

- Go to the IBM Cloud dashboard and create a new Static Web App.

- Configure the basic settings such as the app name, region, and source repository (GitHub, GitLab, or Bitbucket).

**2. Set Up Your Repository:**

- Create a new repository on GitHub, GitLab, or Bitbucket to store your blog's source code.

- Add necessary HTML, CSS, and JavaScript files for your blog's layout and design.

**Step 2: Design Your Blog:**

1. Create the Basic Layout:

- Design a clean and user-friendly layout for your blog using HTML and CSS.

- Ensure the layout is responsive to different screen sizes (desktop, tablet, mobile).

2. Add Blog Posts:

- Create separate HTML files for each blog post.

- Include metadata such as post title, author, date, and categories in your HTML files.

- Use CSS to style your blog posts and make them visually appealing.

**Step 3: Implement Cloud Computing Features:**

1. Integrate Cloud Storage:

- Use IBM Cloud Object Storage to store media files such as images and videos for your blog posts.

- Implement a mechanism to upload and retrieve media files from the cloud storage.

2. Implement CDN (Content Delivery Network):

- Leverage IBM Cloud CDN to distribute your blog content globally, ensuring faster loading times for users across different regions.

3. Enable HTTPS:

- Set up SSL/TLS certificates to enable secure HTTPS connections for your blog using IBM Cloud services.

**Step 4: Add Dynamic Features (Optional)**

1. Implement Contact Form:

- Create a contact form using HTML and JavaScript to allow readers to get in touch with you. - Use serverless functions (such as IBM Cloud Functions) to handle form submissions.

2. Integrate Comments Section:

- Implement a comments section for each blog post using third-party services like Disqus or create a custom solution using serverless functions and a NoSQL database like IBM Cloudant.

**Step 5: Deploy and Test Your Blog**

1. Deploy Your Static Web App:

- Connect your blog repository to your IBM Cloud Static Web App.

- Trigger a build and deploy your blog to see how it looks in the live environment.

2. Test Across Devices:

- Test your blog on different devices and browsers to ensure a seamless user experience.