

## **Day-1**

### **Experiment: 01**

Create a GitHub account, then create a new repository with a README file. Upload a basic file named hello.txt, edit the file through GitHub's web interface, commit the changes, and view the commit history. Share the link to your repository after completion.

### **Experiment: 02**

Create a new file named about.txt in your GitHub repository. Inside the file, write your name, course, and one thing you learned about GitHub. Commit the file to your repository and share the link after completing the task.

### **Experiment: 03**

Create a new GitHub repository named student-portal-demo. Initialize it with a README file describing a basic idea for a student portal application. Share the link to your repository after completing the task.

### **Experiment: 04**

Design a DevOps Lifecycle Using [diagrams.net](https://diagrams.net) Tool:

### **Experiment: 05**

Design a DevOps Lifecycle diagram for a Student Information System.

### **Experiment: 06**

Design a DevOps Visualization Diagram – Face Recognition Attendance System

## Day -2

### **Experiment no: 7**

Renaming the Repository using Github Web Interface

### **Experiment no: 8**

Deletion of Repository using Github Web Interface

### **Experiment no: 9**

Deletion of file from Repository using Github Web Interface

### **Experiment no: 10**

Design a DevOps lifecycle that could be applied to a Food Delivery App like Zomato, Swiggy, or Uber Eats.

### **Experiment no: 11**

Design and build a basic Web Application based on your own idea using a shared GitHub repository with 2 team members collaborating.

### **Experiment no: 12**

GitHub Pull Requests (PRs):

## Day-3

### **Experiment 13:**

Demonstrate how to upload a project to GitHub and deploy it using Vercel, implementing a basic CI/CD workflow.

**Experiment 14:**

Design and develop a unique single-page web application based on your own creative idea. Once completed, upload the project to GitHub and deploy it using Vercel. The application must include at least one HTML file.

**Experiment 15:**

Create an HTML file that visually explains your previous experiment DevOps lifecycle using diagrams, shapes, and labels. Ensure the file clearly displays each stage of the DevOps lifecycle (Plan, Develop, Build, Test, Release, Deploy, Operate, Monitor). Upload the HTML file to a GitHub repository and deploy it using Vercel.

**Day-4**

New Ideas presentations (Charts/ arts/ tools )