**Review – 2**

This review should focus on assessing their progress, implementation, and adherence to DevOps principles.

***Evaluation rubric - (70% Completion Status)*** *- Carries* **8 Marks**:

| **Criteria** | **Marks (Out of 8)** | **Evaluation Parameters** |
| --- | --- | --- |
| **Project Progress & Implementation** | **2 Marks** | - 70% completion achieved as per plan. - Working functionalities demonstrated. |
| **Version Control & CI/CD Integration** | **2 Marks** | - Proper use of Git (commit history, branching). - CI/CD pipeline implemented and functional. |
| **Infrastructure & Deployment** | **1.5 Marks** | - Infrastructure as Code (IaC) implemented using Terraform/Ansible. - Deployment to cloud/on-prem environment. |
| **Monitoring, Logging & Security** | **1.5 Marks** | - Monitoring tools integrated (Grafana, Prometheus, ELK). - Security measures (SonarQube, OWASP ZAP, Trivy) implemented. |
| **Presentation & Documentation** | **1 Mark** | - Clear and well-structured presentation. - Proper documentation submitted (progress report, diagrams, test cases). |

**DEVOPS MINOR PROJECT REVIEW 2 REPORT (70% Completion Status) – *Carries 2Marks***

📅 **Date:** [DD/MM/YYYY]  
📂 **Project Title:** [Enter Project Title]  
👨‍🏫 **Faculty Mentor:** [Enter Mentor Name]  
👥 **Team Members:**

1. [Member 1]
2. [Member 2]

**1. Project Overview**

* **Problem Statement:** [Briefly describe the problem your project is solving.]
* **Objective:** [Clearly define the goal of your project.]
* **Scope:** [Mention the scope of the project, including key functionalities.]

**2. Project Progress**

| **Task** | **Planned Completion** | **Actual Completion** | **Status (Completed/In Progress/Pending)** |
| --- | --- | --- | --- |
| Feature Implementation | [XX%] | [XX%] | [Status] |
| CI/CD Pipeline Integration | [XX%] | [XX%] | [Status] |
| Infrastructure Setup | [XX%] | [XX%] | [Status] |
| Security Implementation | [XX%] | [XX%] | [Status] |
| Monitoring & Logging | [XX%] | [XX%] | [Status] |

**3. DevOps Implementation Details**

**3.1 Version Control & Collaboration**

* Repository Link: [GitHub/GitLab Repository URL]
* Branching Strategy: [Feature branching, Git Flow, etc.]
* Pull Requests & Merge Strategy: [Explain how collaboration is managed.]

**3.2 CI/CD Pipeline Implementation**

* CI/CD Tool Used: [Jenkins/GitHub Actions/GitLab CI, etc.]
* Pipeline Workflow: [Describe the stages – Build, Test, Deploy]
* Automated Tests: [Unit Tests, Integration Tests, Security Scans]

**3.3 Infrastructure as Code (IaC)**

* Tools Used: [Terraform/Ansible/Docker/Kubernetes]
* Deployment Environment: [AWS/GCP/Azure/On-Premises]
* Infrastructure Configuration: [Describe setup]

**3.4 Monitoring & Logging**

* Monitoring Tools: [Prometheus, Grafana, ELK]
* Logging Setup: [Centralized Logging, Logstash, Fluentd, etc.]

**3.5 Security & DevSecOps**

* Security Tools Used: [SonarQube, OWASP ZAP, Trivy]
* Compliance Checks: [Explain security policies followed]

**4. Challenges & Solutions**

| **Challenge Faced** | **Solution Implemented** |
| --- | --- |
| [Challenge 1] | [Solution 1] |
| [Challenge 2] | [Solution 2] |
| [Challenge 3] | [Solution 3] |

**5. Next Steps & Pending Tasks**

* [Task 1] – Expected Completion: [DD/MM/YYYY]
* [Task 2] – Expected Completion: [DD/MM/YYYY]
* [Task 3] – Expected Completion: [DD/MM/YYYY]

**6. Conclusion & Learnings**

* **Key Takeaways:** [Mention major learnings from the project so far.]
* **Improvements Needed:** [Mention any areas requiring optimization.]

**7. References & Documentation Links**

* **GitHub Repository:** [Insert Link]
* **CI/CD Pipeline Configuration:** [Insert Link]
* **Infrastructure Setup:** [Insert Link]
* **Monitoring Dashboard:** [Insert Link]

**PBL-II (Project-Based Learning - II) out of 20 marks**:

| **Component** | **Marks Allocated** | **Description** |
| --- | --- | --- |
| **8 Practices** | **8 Marks** | Each practice carries **1 mark** (8 × 1 = 8 marks) based on completion and accuracy. |
| **1 Virtual Lab Experiment** | **2 Marks** | Evaluated based on execution, accuracy, and understanding. |
| **Review 2 (70% Project Completion)** | **10 Marks** | Based on project progress, documentation, DevOps implementation, and presentation. |

**Review – 2 Schedule**

**Batch – 1 Schedule**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Batch** | **Day order** |
| 1 | 1-5 | 1 |
| 2 | 6-10 | 1 |
| 3 | 11-15 | 3 |
| 4 | 16-20 | 1 |
| 5 | 21-25 | 1 |
| 6 | 26-30 | 3 |
| 7 | 31,32 | 1 |

**Batch – 2 Schedule**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Batch** | **Day order** |
| 1 | 1-5 | 1 |
| 2 | 6-10 | 1 |
| 3 | 11-15 | 3 |
| 4 | 16-20 | 1 |
| 5 | 21-25 | 1 |
| 6 | 26-30 | 3 |
| 7 | 31,32 | 1 |

**Note:** *Review 2 Starts from March 18th 2025*