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]

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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.]

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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]

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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]

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6. Conclusion & Learnings

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

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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*