**Integration & Deployment Project Requirement Document**

**Front End:-**

**Back End:-**

**AI & ML:-**

**Data Engineering:-**

**API:-**

***Integration & Deployment Prerequisites:-***

1. AWS cloud account details

2. GitHub/GitLab Credentials

3. Docker Hub Credentials

**Assumption**: -

1. All the team’s binaries should have some inbuilt build script. If doesn’t have what is the alternate option, the corresponding team needs to be given guidance to Integration & deployment Team

2.

**Clarification Needed**: -

1. Whether Data Engineering, AIML, Front End and Backend all will come as one bundle (or) it will be individual component

2. We need project requirement document and architecture for define the integration & deployment Low Level Design

3. Where do we need to deploy mobile APP? What is the architecture for a mobile app? What are all binaries provided to the deployment team?

**Modules**

1. Cloud environment setup

2. Jenkins installation and setup

3. Jenkins Pipeline

4. Jenkins Integration

5. Docker installation

6. Docker hub and Jenkins integration

7. EKS Setup

8. EKS Integration with docker

9. EKS Integration with Jenkins