

MLOPS

WITH **CLOUD**

WITH HANDS-ON LAB

ASSIGNMENT

AI/ML

PROJECT BLUEPRINT

REQUIRED PROJECT OVERVIEW

PROJECT NAME

TEAM MEMBERS

DATE

VERSION

AI PROJECT BLUEPRINT

1.CONTEXT



Describe the problem space and current challenges

2. INNOVATION PROPOSAL



Outline the AI-driven solution and its potential impact

3.KEY OBJECTIVES



List specific, measurable goals for the project

4. SOLUTION ARCHITECTURE



Detail the proposed system, including components and integrations

Specify constraints and out-of-scope items

5.VIABILITY ASSESSMENT

Analyze technical feasibility and resource requirements

6. DATA STRATEGY



Identify data sources (training and production)

Describe data preparation and labeling processes

7. PERFORMANCE INDICATORS



Define critical metrics aligned with objectives

8. VALIDATION FRAMEWORK



Design evaluation criteria for both offline and online testing

9. MODEL DEVELOPMENT ROADMAP



Outline the iterative approach to model creation and improvement

10. DEPLOYMENT STRATEGY



Decide on inference method (batch vs. real-time)

11. CONTINUOUS IMPROVEMENT



Plan for gathering and incorporating system feedback

12. PROJECT MANAGEMENT



List team roles, deliverables, and projected timeline