

## Assignment – 2

1. Architecture Diagram : Uploaded in Github in image format (Name: Assignment2\_Architecture And Data Flow Diagram.jpeg)
2. Data Flow Diagram: Uploaded in Github in image format (Name: Assignment2\_Architecture And Data Flow Diagram.jpeg)
3. Implementation Process: Uploaded in Github in image format (Name: Assignment2\_Architecture And Data Flow Diagram.jpeg)
4. Performance of the solution: Need to discuss. Since after applying the data into model, actual performance can be noted and depending on that the performance improvement can be decided.
5. Next steps to improve solution is to apply neural networks or complex ensemble models so as to get good values of recalls.
6. Timeline to deliver the project:
  - a. The complete data pipeline implementation is expected to be completed in 1 sprint (Considering 2 data engineering resources- 1 senior and 1 junior and 1 sprint = 2 weeks)
  - b. The condition monitoring will take a maximum of 2 sprints (considering 2 data science resources with mid-level experience)
  - c. The Predictive maintenance will take a maximum of 3 sprints (again considering 2 data scientists with mid-level experiences)
  - d. Testing and deployment to dev, then to QA and testing in QA will take 1.5 sprints with 2 testers and 1 MLOps engineer
  - e. The final deployment and prod test will take 1 sprint with 1 tester and 1 MLOps member
7. The above high-level tasks (Epic) will further be divided into tasks.

