

DA 312, ADVANCED MACHINE LEARNING LABORATORY
LAB 3 (SPRING 2025)

Instructor:	Dr. Chiranjib Sur	Time:	Wednesday - 9:00-11:00 (MDSAI Lab)
Email:	chiranjib@iitg.ac.in	Place:	MDSAI Lab.

Problem 1: [20+40+40 marks]

Example Code with Dataset

Dataset: Heart Disease Prediction

- Task: Predict whether a patient has heart disease.
- Dataset URL: UCI Machine Learning Repository
- Framework: Pytorch, Code Link: <https://colab.research.google.com/drive/1etTHqz819crERP8yNavFNA-scrollTo=EVt>
- Run this code

Dataset 1: Banknote Authentication

- Description: Predict whether a banknote is authentic or forged.
- Dataset URL: https://archive.ics.uci.edu/ml/machine-learning-databases/00267/data_banknote_authentication.txt
- Modify the above code for this dataset.

Dataset 2: Titanic Survival Prediction

- Description: Predict whether a passenger survived or not.
- Dataset URL: <https://raw.githubusercontent.com/datasciencedojo/datasets/master/titanic.csv>
- Modify the above code for this dataset.