



ReadMe

CDS Module 05 – AI at Scale

Mini-Project 1 – May 11 & 18, 2025 (09:00 am - 12:30 pm)

Implementation of Multiple Linear Regression using MPI and OpenMP

This Mini-Project is a team activity. The Mini-Project has been released in advance i.e. on May 01, to facilitate your preparation for the activity. Each team will work in a separate Zoom breakout room for this activity. Mentor's guidance will be available during the Mini-project activity (May 11 & May 18 (09:00 am - 12:30 pm)).

This is a graded **Mini-Project (20 points)**. The Problem Statement, Objective, Background, Dataset, and Steps for implementation are provided within the Mini-Project Notebook (Colab). Also there are reference links given as hints for code implementation within the notebook.

During the Mini-Project session, the mentor can be approached for guidance when there is difficulty in implementing specific steps. However, it is the team's responsibility to work towards the solution in the given time. Your team's solution notebook should be presented to the mentor, latest, between 11:45 pm - 12:15 pm on May 11 & May 18. The mentor will record the attendance of each team member and assign points to the team based on the final notebook. Each team member will receive the same points as

given to the team as a whole. Absent team members will not be awarded any points.