

## ReadMe

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### CDS Module 03 - Neural Networks

#### Mini-Project 3 - March 09, 2025 (09:00 am - 12:30 pm)

#### Video Based Action Classification

This Mini-Project is a team activity. The Mini-Project has been released in advance i.e. on February 27, 2024, 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 (March 09, 2024, 09:00 am - 12:30 pm).

This is a graded Mini-Project (10 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.

Note: This project is compute intensive. You could see the [Amazon Sagemaker Studio Lab Intro video](#) provided in the Miniproject → March 09, 2025 folder and utilize StudioLab to train the model in less time, compared to Colab. For this, you could upload the mini project notebook (.ipynb) to StudioLab and continue with your project in StudioLab instead of Colab.

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 11:30 am - 12:15 pm on March 09, 2025. 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.