

Project Title:

Development of a Reduced-Order-Model from Synthetic CFD Data using Convolutional Neural Network

Weekly Progress Report

Week 2: (Feb 17 - Feb 23, 2025)

Tasks Completed:

- Developed a Python script to convert `.txt` files into `.csv` format.
- Performed preliminary validation of converted data.
- Handled missing or corrupted data points.

Challenges Faced:

- Ensuring all relevant parameters were extracted correctly.
- Managing large data files efficiently.

Tasks Planned for Next Week:

- Conduct Exploratory Data Analysis (EDA) on the cleaned dataset.
- Visualize temperature, velocity, and pressure distributions.