

Project Title:

Transient dynamics of temperature variations using Long-Short Term Memory (LSTM) models

Weekly Progress Report

Week 1: (Feb 10 - Feb 16, 2025)

Tasks Completed:

- Generated raw .txt files from CFD simulations.
- Explored file structure and parameter organization.
- Identified key parameters: Temperature, Velocity, and Pressure.

Challenges Faced:

- Handling large datasets efficiently.
- Initial inconsistencies in file structure.

Tasks Planned for Next Week:

- Convert .txt files to .csv format.
- Validate data integrity.