Project Title:

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

Week 5: (Mar 10 - Mar 13, 2025)

Tasks Completed:

- Pre-processed dataset for input to the model.
- Conducted initial training runs on a small dataset sample.

Challenges Faced:

- Computational efficiency issues with large dataset training.

Tasks Planned for Next Week:

- Designed initial LSTM model architecture.
- Train LSTM model with full dataset.
- Evaluate performance and optimize hyper parameters.
- Compare LSTM predictions with full CFD results.