

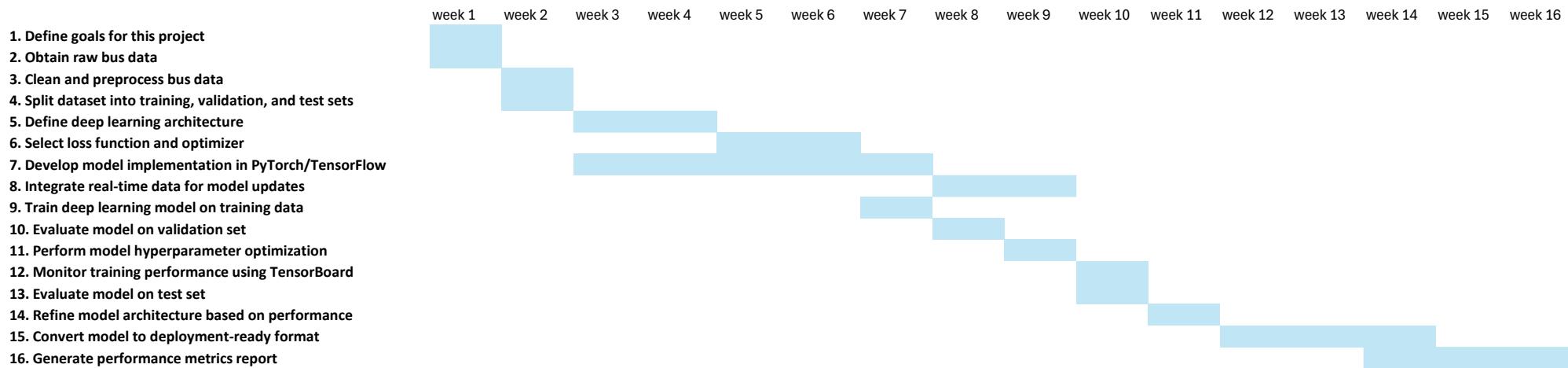
Team: Dhriti Gada

Since I am the only member of my team, all of these tasks are assigned to me.

Milestone List

- 1. Data Collection and Preprocessing**
- 2. Model Design and Development**
- 3. Model Training and Evaluation**
- 4. Model Refinement and Deployment**
- 5. Documentation and Reporting**

Gantt Chart



Effort Matrix

1. Define goals for this project	4%
2. Obtain raw bus data	2%
3. Clean and preprocess bus data	3%
4. Split dataset into training, validation, and test sets	1%
5. Define deep learning architecture	8%
6. Select loss function and optimizer	6%
7. Develop model implementation in PyTorch/TensorFlow	10%
8. Integrate real-time data for model updates	10%
9. Train deep learning model on training data	2%
10. Evaluate model on validation set	2%
11. Perform model hyperparameter optimization	9%
12. Monitor training performance using TensorBoard	10%
13. Evaluate model on test set	2%
14. Refine model architecture based on performance	12%
15. Convert model to deployment-ready format	10%
16. Generate performance metrics report	9%
total	100%