Team members Report

Below is the table of tasks done by team members.

Tasks Done	Completed By
Data Collection	Sidharth and Ayush
Data Cleaning and labeling	Akshay
Data Pre-Processing	Ayush
Setting up git repository	Sidharth
Neural network architecture	Ayush and Sidharth
Creating Python scripts	Ayush, Akshay and Sidharth
Training Model with Cleaned Data	Akshay and Ayush
Review trained Model and Model Evaluation	Sidharth and Akshay
Plotting graph and testing accuracy	Ayush and Akshay
Changes required after testing	Ayush
Retrain model with new changes	Sidharth
Model evaluation and plot graph	Akshay
Project Report	Ayush, Akshay and Sidharth
Project Presentation	Ayush, Akshay and Sidharth

Ayush's contributions to the project involved preparing the data for the model. He was responsible for data pre-processing, which included tasks such as data normalization, transformation, and reduction. This ensured that the data was in the right format and was compatible with the model. Ayush also cleaned and labeled the data. This involved removing any inconsistencies or errors in the data and assigning labels or categories to the data. This is an essential step as the quality of the data can impact the accuracy of the model's predictions. Ayush also played a significant role in testing the model's accuracy. He plotted graphs and evaluated the model's performance against various test cases. Based on the results, he made any necessary changes to improve the model's accuracy.

Akshay's contributions to the project involved training the model with the cleaned data. This involved the forward and backward phases of training. During the forward phase, the model processes the input data, and during the backward phase, it adjusts the weights to minimize the error between the predicted output and the actual output. Akshay also reviewed the trained model and evaluated it to ensure that it produced accurate results. This involved testing the model with different test cases to ensure that it could generalize well to new data. Finally, Akshay evaluated the model and plotted graphs to determine the effectiveness of any changes made. This ensured that the changes made to the model improved its accuracy and performance. Overall, Ayush and Akshay's contributions were critical to the success of the project.