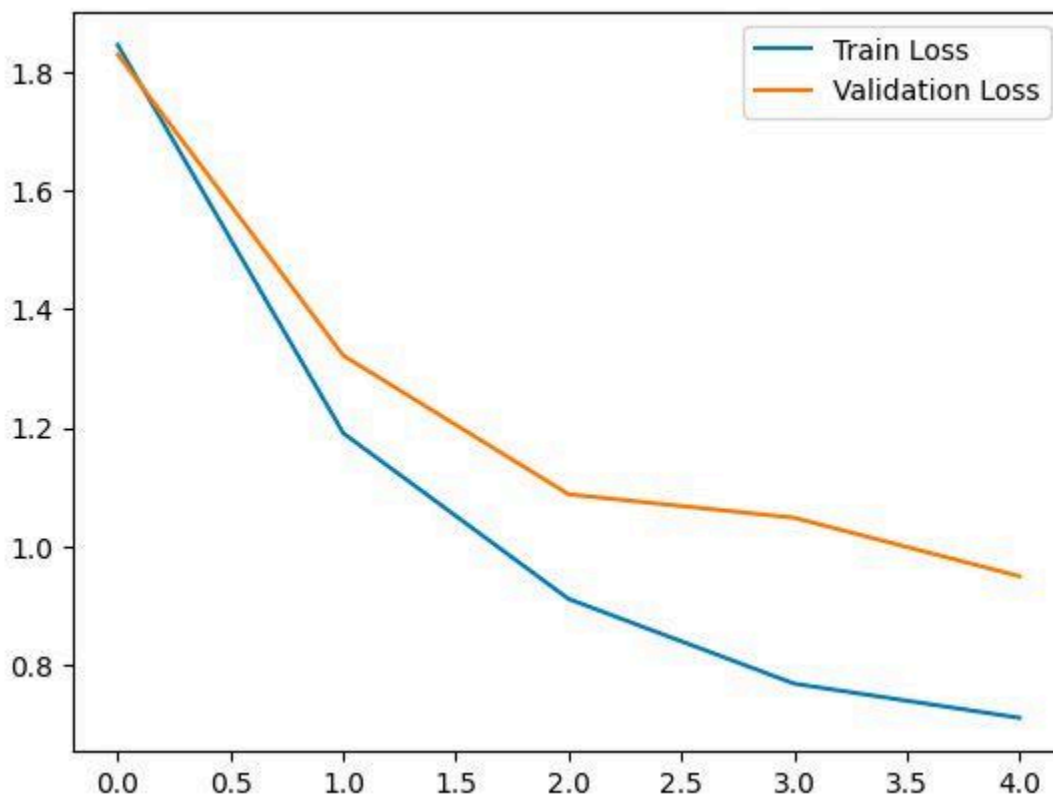


Ques1_partA:

The PCC value of this part is:0.728

The Training Loss and Validation Loss V/s Epochs



- **Training Loss Decrease:** This indicates the model is successfully learning from the training data. It progressively minimizes the loss function, signifying improvement in its ability to fit the training examples.
- **Validation Loss Decrease:** This is particularly encouraging as it suggests the model's learning generalizes well to unseen data (validation set). A decreasing validation loss reduces the risk of overfitting, where the model memorizes the training data without capturing the underlying patterns.

Ques1_partb:

The PCC value for part b is: 0.861149788219777

```
The Pearson Correlation Coefficient is : 0.8611497882197772
```