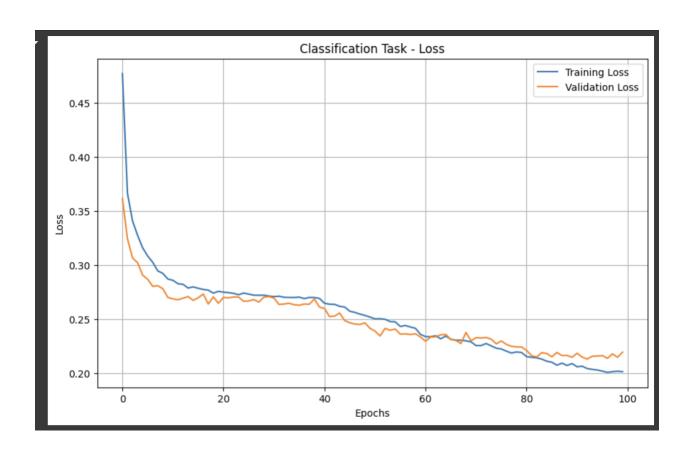
# AI COMP9414 ASSIGNMENT 1 Tutor: Jingying Gao

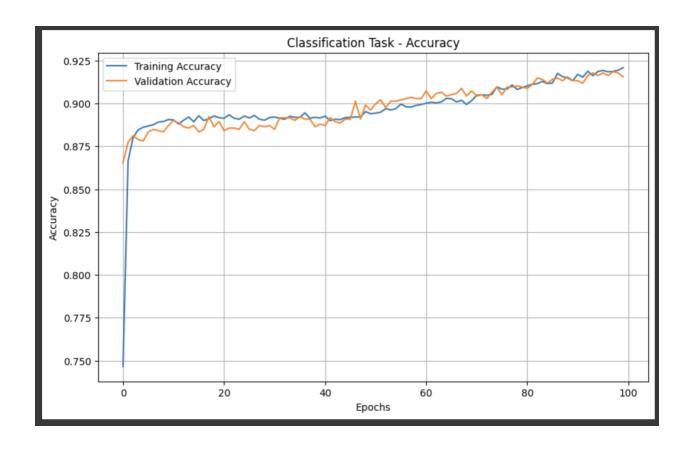
## Name - Aayushmaan Hooda Zid - Z5518413

#### **Classification Task**

1. Classification Task - Loss



### 2. Classification Task - Accuracy



#### 3. Classification Task - Confusion Matrix

Confusion Matrix	Positive (Actual)	Negative (Actual)
Positive (Predicted)	488	65
Negative (Predicted)	92	1027

#### 4. Classification Task – Accuracy and Precision Table

	Accuracy	Precision	Number of Samples
CO(GT) classification	91%	88%	1672

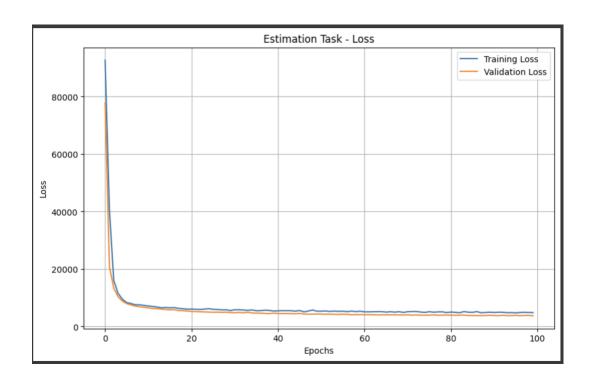
#### GENERALISED DATASET

Confusion Matrix , Accuracy and Precision tables for classification on generalized Dataset

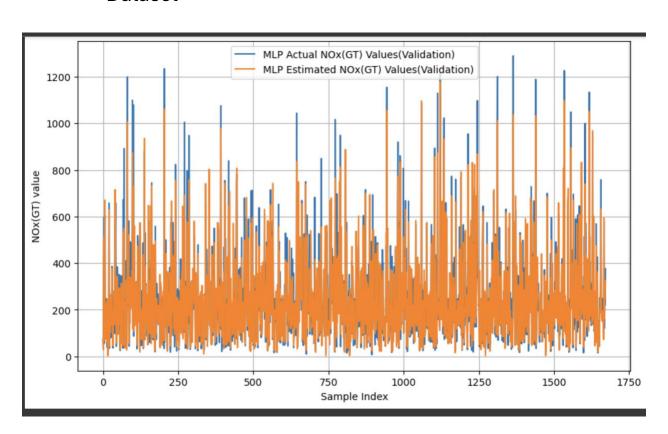
Confusion Matrix	Positive (/	Actual)	Ne	gative (Actual)	
Positive (Predicted)		319		9	
Negative (Predicted)	47 497				
	Accuracy	Precis	ion	Number of San	nples
CO(GT) classification	94%	97%			872

# **Regression Task**

1. Regression task – Loss Plots on the given Dataset



# 2. Estimated NOx(GT) plots for regression task on the given Dataset

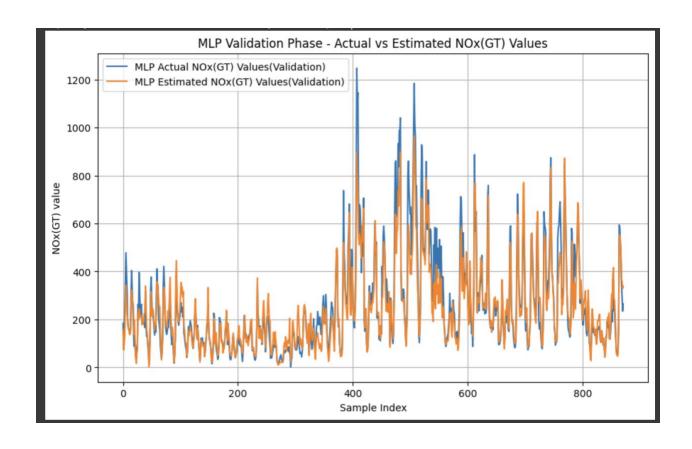


3. Regression task - Performance indexes table on given dataset

l RMSE I MAE I N	
NISE PIAL I	lumber of Samples
63.18 40.78	1672

#### **GENERALISED DATASET**

Estimated NOx(GT) plots for regression task and performance indexes table on given Dataset



RMSE	MAE	Number of Samples
68.48	45.29	872