Model Development Phase Template

Date	06 November 2024
Team ID	739730
Project Title	Figurative Intelligence: Machine Learning for Simile and Metaphor Detection.
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation and Evaluation Report

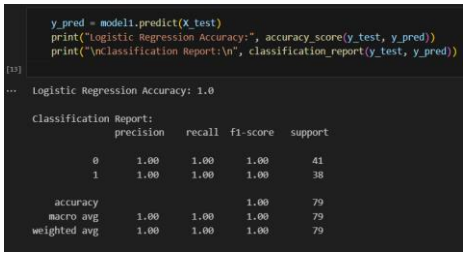
The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

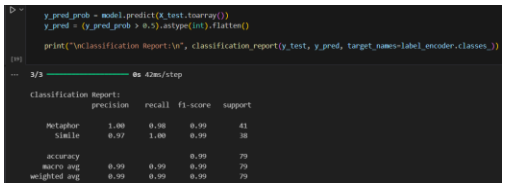
Initial Model Training Code:

```
vectorizer = TfidfVectorizer()
X_tfidf = vectorizer.fit_transform(X)

X_train, X_test, y_train, y_test = train_test_split(X_tfidf, y_encoded, random_state=42, test_size=0.2)
```

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy
Logistic Regression		1.0

Artificial neural networks		0.9