CER4C3
Abstraction and Paradigms of Programming

Bachelor of Engineering

Computer Engineering II Year IV Sem

Spam email classifier

```python
from sklearn.feature_extraction.text import CountVectorizer

cv = CountVectorizer(max_features=2500)

X = cv.fit_transform(corpus).toarray()


y=pd.get_dummies(messages['label'])
y=y.iloc[:,1].values



# Train Test Split

from sklearn.model_selection import train_test_split

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.20, random_state = 0)


# Training model using Naive bayes classifier

from sklearn.naive_bayes import MultinomialNB

spam_detect_model = MultinomialNB().fit(X_train, y_train)


y_pred=spam_detect_model.predict(X_test)
```