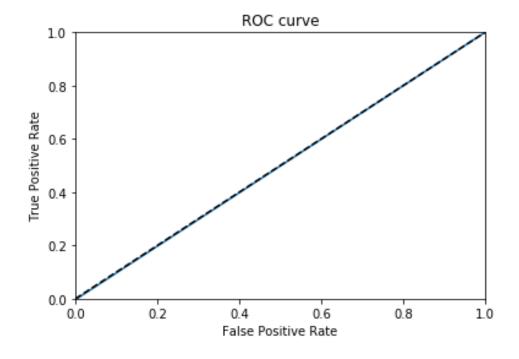
### MODELS EVALUATION

# Support Vector Machine with no cross validation (only train-test splitting)

Confusion Matrix	NO	YES
NO (Client did not subscribe	1101	4
deposit)		
YES (Client subscribed the	131	0
deposit)		

Metrics	Value
Precision	0.00
Recall	0.00
F1 Score	0.00

### ROC Curve

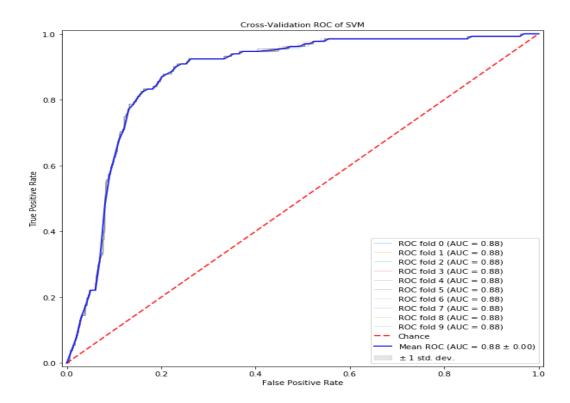


Area Under the Curve (AUC) = 0.49

## Support Vector Machine with K-Cross Validation (K = 10)

Metrics	Value
Precision	0.87
Recall	0.88
F1 Score	0.83

### ROC Curve



#### **Comment:**

After applying 10-Cross-Validation, the model has improved substantially by obtaining good performance metrics. Plus, the ROC curve shows a good tradeoff between false positive and true positive rate.

Although the model would need further validations, it seems very promising so to suggest its applicability to predict clients' choice.