Task 7

Add to your framework a menu named Correlation that includes the following features:

1) Correlation: compute normalized cross-correlation of two signals. 2
2) Time Analysis: perform time delay analysis, given two periodic signals and the sampling period, find approximately the delay between them. 2
3) Template matching: the user will give the paths for two folders of two classes and a test folder, using template matching the application will give labels for all signals in test folder. 6