Download outex\_10.txt dataset.

**Generation of test instances.**

1. Open the Macro enabled excel document test\_instance\_generation.xlsm
2. If there is a security warning “Macros have been disabled” , click on options and select “enable this content” and click OK.
3. Press ALT+F11 to open VBA
4. On the project window, double click on Forms->TestSetGeneration
5. Double click on the command button GENERATE TEST SET and Press F5 to execute.
6. Enter path of outex\_10.txt dataset (4320 instances)
7. Enter path where the test dataset has to be stored (Extension of the file has to be .txt). For example: E:\texture\_classification\testset.txt
8. Enter path where the remaining instances have to be stored (Extension of the file has to be .txt).
9. Click on the button GENERATE TEST SET
10. A message box “End” will be displayed which indicates the test and training instances are generated.

**Evaluating the model**

1. Open the Macro enabled excel document model\_evaluation.xlsm
2. If there is a security warning “Macros have been disabled” , click on options and select “enable this content” and click OK.
3. Press ALT+F11 to open VBA
4. On the project window, double click on Forms->ModelEvaluation
5. Double click on the command button EVALUATE MODEL, Press CTRL+G to get the intermediate window and Press F5 to execute
6. Enter path of the test dataset (The path where the test set generated is stored)
7. Enter path of the training dataset(The path where the remaining instances other than the test set is stored) .
8. Click on the button EVALUATE MODEL.
9. The testing accuracy will be displayed in a message box.
10. Results may also be viewed in the intermediate window.

**Validating the model**

1. Open the Macro enabled excel file Model\_Validation.xlsm
2. If there is a security warning “Macros have been disabled” , click on options and select “enable this content” and click OK.
3. Press ALT+F11 to open VBA
4. On the project window, double click on Forms->CrossValidation
5. Double click on the command button CROSS-VALIDATE, Press CTRL+G to get the intermediate window and Press F5 to execute.
6. Enter path of the dataset.
7. Click on the button CROSS-VALIDATE.
8. The cross validation accuracy will be displayed in a message box.
9. Results may also be viewed in the intermediate window.