Evaluation Metrics:

Genuine Test Accuracy =
$$\frac{\text{True _genuines}}{\text{True _genuines}} + \text{False _genuines}$$

Total Accuracy =
$$\frac{\text{True _genuines} + \text{True _forgeries}}{\text{Total _test _signature}}$$

Unseen random forgeries-writer signature test results:

Forgeries Test Accuracy: 92.5% = 37/40 Genuine Test Accuracy: 100% = 20/20

Total Accuracy: 95% = 57/60

User1

Training accuracy: 100.0000%

Test overall accuracy: 93.1818%

User2

Training accuracy: 100.0000%

Test overall accuracy: 78.7879%

User3

Training accuracy: 98.7461%

TestF4 predictions:	[0000000000000000000	True
TestG1 predictions:	[11111111111111111111111]	True
TestG2 predictions:	[0111111010011111001111]	True

Test overall accuracy: 91.0606%

User4

Training accuracy: 96.1039%

TestF1 predictions: [0000000000000000000000000001] True TestF2 predictions: [00000000000001000110000]True TestF3 predictions: [000000010000000011000]True TestF4 predictions: True TestG1 predictions: [1111111111100111] True TestG2 predictions: [111111111111111111111] True

Test overall accuracy: 92.4242%

User5

Training accuracy: 99.7543%

Test overall accuracy: 81.8182%

User6

Training accuracy: 100.0000%

Test overall accuracy: 84.0909%

User7

Training accuracy: 100.0000%

Test overall accuracy: 100.0000%

User8

Training accuracy: 99.3939%

Test overall accuracy: 100.0000%

User9

Training accuracy: 99.7543%

Test overall accuracy: 94.6970%

User10

Training accuracy: 99.1429%

TestF1 predictions:	[11111000011100110011]	False
TestF2 predictions:	[0000000000000000000	True
TestF3 predictions:	[0000000000010010010]	True
TestF4 predictions:	[0000000000000000000	True
TestG1 predictions:	[111111111111111111111]	True
TestG2 predictions:	[11111101111011111111]	True

Test overall accuracy: 85.8333%

Others forgeries-writer signature test results:

All:

Forgeries Test Accuracy: 93.3% = 56/60 Genuine Test Accuracy: 100% = 20/20

Total Accuracy: 95% = 76/80

Worst:

Forgeries Test Accuracy: 95% = 38/40 Genuine Test Accuracy: 100% = 20/20 **Total Accuracy:** 96.7% = /60

Middle:

Forgeries Test Accuracy: 85% = 34/40 Genuine Test Accuracy: 100% = 20/20

Total Accuracy: 90% = 54/60

Best:

Forgeries Test Accuracy: 77.5% = 31 /40 Genuine Test Accuracy: 100% = 20/20

Total Accuracy: 85% = 51/60

User1

All:

Training accuracy: 100.0000%

Test overall accuracy: 85.6061%

Worst:

Middle:

Best:

User2

All:

TestF1 predictions: TestF2 predictions: [00000000000000010000010]TestF3 predictions: TestF4 predictions: TestF5 predictions: TestF6 predictions: TestG1 predictions: TestG2 predictions:

Worst:

Middle:

Best:

User3

All:

Worst:

Middle:

Best:

User4

All:

TestF1 predictions:	[111111111111111111111111111111111111
TestF2 predictions:	[10000000000000000101
TestF3 predictions:	[101100000011001110011]
TestF4 predictions:	[0000000000000000000
TestF5 predictions:	[000000100000001000011]
TestG1 predictions:	[1111111111111111111
TestG2 predictions:	[11111111111111111111111111111111111111

Worst:

Middle:

Best:

User5

All:

TestF1 predictions: TestF2 predictions: [00101001001001000000110]TestF3 predictions: TestF4 predictions: TestF5 predictions: TestF6 predictions: TestG1 predictions: TestG2 predictions:

Worst:

Middle:

TestG1 predictions:	[1111111111111111111	
TestG2 predictions:	[1111111111111111111111111]	

Best:

TestF1 predictions:	[1010100100100000010010]
TestF2 predictions:	[11101101001001011111110]
TestF3 predictions:	[00100000010000000000
TestF4 predictions:	[0000000000000000000
TestG1 predictions:	[11111111111111111111111111]
TestG2 predictions:	[111111111111111111111111]

User6

All:

TestF1 predictions:	[1111111111111111111
TestF2 predictions:	[00010011000000110000
TestF3 predictions:	[00000010000000000000
TestF4 predictions:	[0000000000000000000
TestF5 predictions:	[0000000000000000000
TestF6 predictions:	[00000110000100000011]
TestG1 predictions:	[1111111111111111111
TestG2 predictions:	[1111111111111111111111111]

Worst:

TestF1 predictions:	[0000000000000000000	True
TestF2 predictions:	[00010001111110001100110]	True (12-10)
TestF3 predictions:	[0000000111110001100101]	True (13-9)
TestF4 predictions:	[0000000000000000000	True
TestG1 predictions:	[1111111011111111111111]	True
TestG2 predictions:	[1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	True

Middle:

TestF1 predictions:	[0000000000000000000
TestF2 predictions:	[0001001111110001100110]
TestF3 predictions:	[0000001111110001100101]
TestF4 predictions:	[0000000000000000000
TestG1 predictions:	[11111110111111111111111]
TestG2 predictions:	[1111111111111111111111111]

Best:

TestF1 predictions:	[11111111011111111111
TestF2 predictions:	[1111111111111111111
TestF3 predictions:	[0000001111110001100101]
TestF4 predictions:	[0000000000000000000
TestG1 predictions:	[111111111111111111111111111]

TestG2 predictions: [111111111111111111111]

User7

All:

TestF1 predictions: TestF2 predictions: TestF3 predictions: TestF4 predictions: TestF5 predictions: TestF6 predictions: TestG1 predictions: TestG2 predictions:

Worst:

Middle:

Best:

User8

All:

Worst:

Middle:

Best:

User9

All:

TestF1 predictions: TestF2 predictions: [100010000000000000000000000]TestF3 predictions: [0001010111101100010000]TestF4 predictions: TestF5 predictions: TestF6 predictions: [0000010111011000000100][111110100010111111111111]TestG1 predictions: TestG2 predictions:

Worst:

Middle:

Best:

User10

All:

TestF1 predictions: TestF2 predictions: TestF3 predictions: [11101110001100000010]TestF4 predictions: TestF5 predictions: TestF6 predictions: TestG1 predictions: TestG2 predictions:

Worst:

Middle:

TestG2 predictions: [111111111111111111]

Best:

TestF1 predictions:	[11111111011111111111
TestF2 predictions:	[10000000000000000000
TestF3 predictions:	[1000000010000100000]
TestF4 predictions:	[1000000010000100000]
TestG1 predictions:	[111111111111111111111111]
TestG2 predictions:	[11111111111111111111111]