1 "D:\My stuffs\0Study material\SEMESTER\
   CMED_Internship\.venv\Scripts\python.exe" "D:\
   My stuffs\0Study material\SEMESTER\
   CMED_Internship\custom_dataset\arousal_model
   \train_dev_test_model.py"

2 Improved model for Ross saved to Models\
   Ross_model.pkl

3

4 Test set - Model performance for Ross:

5 Number of samples in Train dataset: 596

6 Number of samples in Dev dataset: 103

7 Number of samples in Test dataset: 154

8 Accuracy: 0.948051948051948

9 Precision: 0.9402985074626866

10 Recall: 1.0

11 F1-score: 0.9692307692307692

12 ROC AUC: 0.8571428571428572

13 Improved model for Phoebe saved to Models\
    Phoebe_model.pkl

14

15 Test set - Model performance for Phoebe:

16 Number of samples in Train dataset: 563

17 Number of samples in Dev dataset: 84

18 Number of samples in Test dataset: 122

19 Accuracy: 0.9016393442622951

20 Precision: 0.8867924528301887

21 Recall: 1.0

22 F1-score: 0.94

23 ROC AUC: 0.7857142857142857

24 Improved model for other_speakers saved to Models\other_speakers_model.pkl

25

26 Test set - Model performance for other_speakers:

27 Number of samples in Train dataset: 622

28 Number of samples in Dev dataset: 61

29 Number of samples in Test dataset: 149

30 Accuracy: 0.9060402684563759

31 Precision: 0.890625

32 Recall: 1.0

33 F1-score: 0.9421487603305785

34 ROC AUC: 0.8

35 Improved model for Joey saved to Models\ Joey_model.pkl

36

37 Test set - Model performance for Joey:

38 Number of samples in Train dataset: 606

39 Number of samples in Dev dataset: 60

40 Number of samples in Test dataset: 167

41 Accuracy: 0.9281437125748503

42 Precision: 0.9205298013245033

43 Recall: 1.0

44 F1-score: 0.9586206896551724

45 ROC AUC: 0.7857142857142857

46 Improved model for Chandler saved to Models\ Chandler_model.pkl

47

48 Test set - Model performance for Chandler:

49 Number of samples in Train dataset: 496

50 Number of samples in Dev dataset: 42
51 Number of samples in Test dataset: 143
52 Accuracy: 0.8531468531468531
53 Precision: 0.8455882352941176
54 Recall: 1.0
55 F1-score: 0.9163346613545816
56 ROC AUC: 0.625
57 Improved model for Rachel saved to Models\
    Rachel_model.pkl
58
59 Test set - Model performance for Rachel:
60 Number of samples in Train dataset: 630
61 Number of samples in Dev dataset: 78
62 Number of samples in Test dataset: 176
63 Accuracy: 0.8920454545454546
64 Precision: 0.8766233766233766
65 Recall: 1.0
66 F1-score: 0.9342560553633218
67 ROC AUC: 0.7682926829268293
68 Improved model for Monica saved to Models\
    Monica_model.pkl
69
70 Test set - Model performance for Monica:
71 Number of samples in Train dataset: 561
72 Number of samples in Dev dataset: 61
73 Number of samples in Test dataset: 162
74 Accuracy: 0.9567901234567902
75 Precision: 0.9530201342281879
76 Recall: 1.0

```
77  F1-score: 0.9759450171821306
78  ROC AUC: 0.825
79
80  Process finished with exit code 0
81
```