

CHAPTER - 7

SNAPSHOTS

```

C:\Users\sreekumar\Desktop\project>python bci_final.py
true labels
[[0 0 0 0 1 1 0 1 1 0 1 0 0 1 1 0 1 1 1 1 1 0 1 0 0 0 0 1 1 1 1 1 1 0 0 0
 0 1 0 0 1 1 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 1 1 1 0 1 1 0 0 1 0 1 0
 0 1 0 1 1 0 0 0 1 1 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 1 0 1 0 1 0 0 1 1 0
 0 0 0 0 1 1 1 1 1 0 1 0 1 0 1 1 0 1 0 0 0 1 0 1 1 0 0 1 0 1]]
WARNING:wyrn.misc:apply_csp is deprecated since version 1.1. Please use apply_spatial_filter instead.
WARNING:wyrn.misc:apply_csp is deprecated since version 1.1. Please use apply_spatial_filter instead.
generated labels
[ 0.  0.  1.  0.  1.  1.  0.  1.  1.  0.  1.  0.  0.  1.  0.  0.  0.  1.
 1.  1.  0.  1.  0.  1.  0.  0.  1.  1.  1.  1.  0.  1.  1.  1.  1.  0.
 0.  1.  1.  0.  0.  1.  1.  0.  0.  0.  0.  0.  0.  1.  0.  0.  0.  0.
 1.  0.  1.  0.  1.  1.  0.  0.  0.  0.  1.  0.  1.  1.  1.  1.  0.  1.
 1.  0.  1.  0.  0.  1.  0.  0.  1.  1.  1.  0.  0.  1.  0.  1.  0.  1.
 1.  1.  0.  0.  0.  0.  0.  1.  0.  0.  0.  1.  1.  1.  1.  0.  1.  0.
 1.  0.  1.  0.  1.  1.  1.  0.  0.  0.  0.  0.  1.  1.]
LDA Accuracy 0.74
C:\Users\sreekumar\Desktop\project>

```

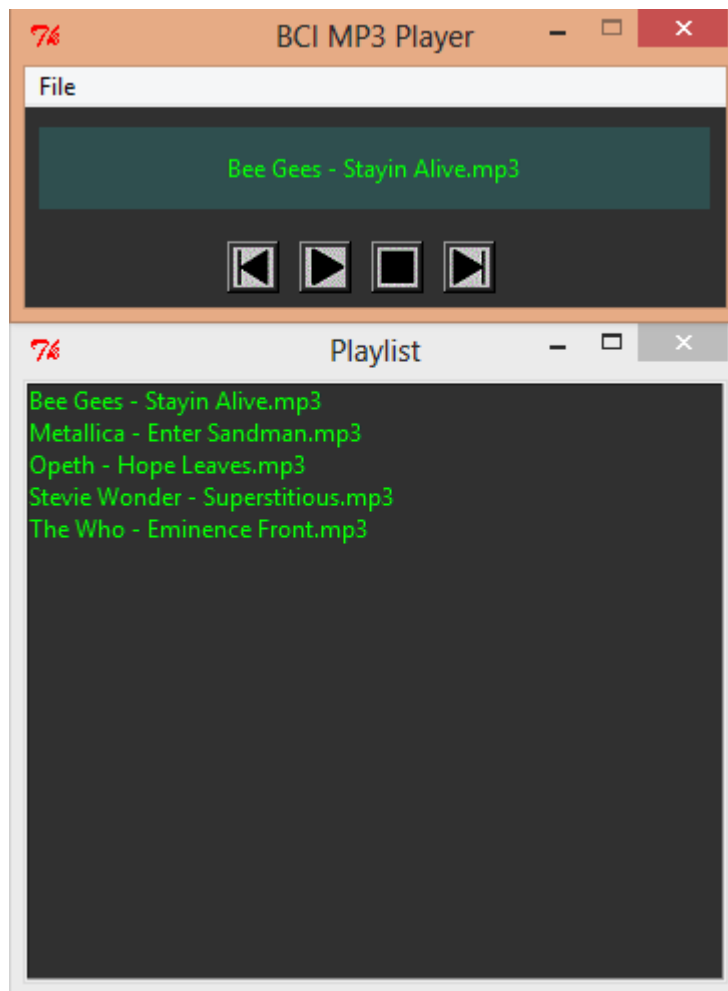
Fig. 7.1 Label Generation

The fig.7.1 shows the result obtained from the classifier for the input dataset.

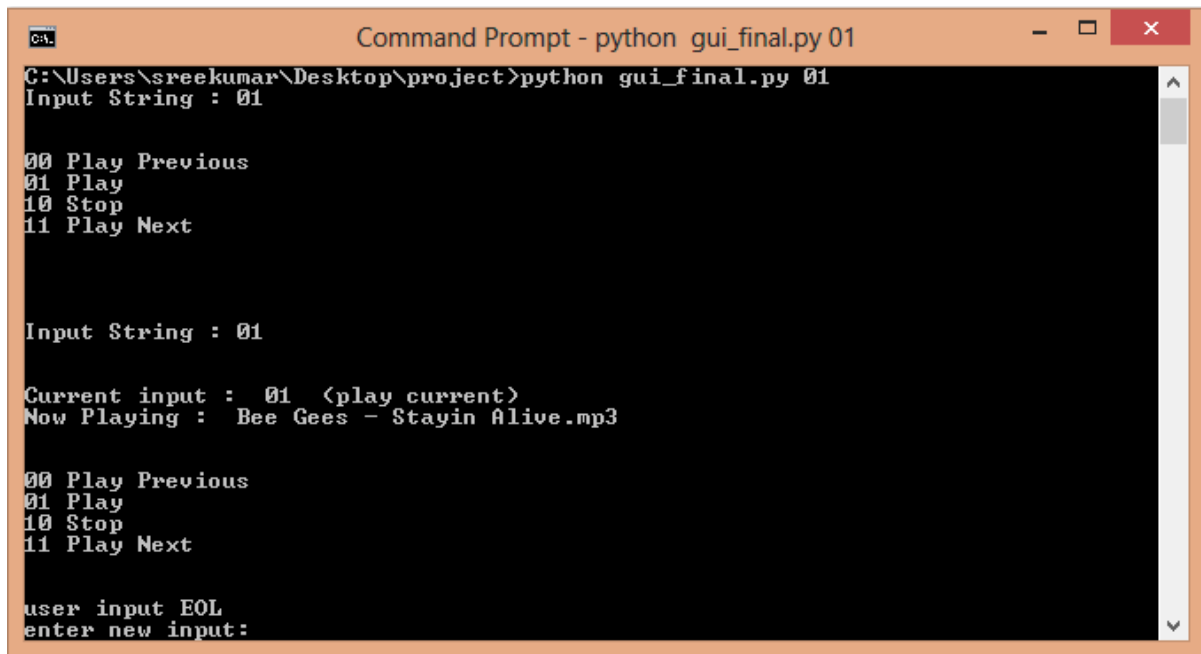
As we see above, the true labels, for the test sample, which were already provided is displayed.

This is followed by the labels which were generated by our application for the same test samples.

These two arrays of labels are compared and the accuracy is determined to be 74%.

**Fig. 7.2 Application**

The fig.7.2 shows the media player application. The media player supports four operations; play, stop play next and play previous. The application is operable either through the command line or the GUI. Also there is a playlist window that displays the pre-loaded list of songs.



```
Command Prompt - python gui_final.py 01
C:\Users\sreekumar\Desktop\project>python gui_final.py 01
Input String : 01

00 Play Previous
01 Play
10 Stop
11 Play Next

Input String : 01

Current input : 01 <play current>
Now Playing : Bee Gees - Stayin Alive.mp3

00 Play Previous
01 Play
10 Stop
11 Play Next

user input EOL
enter new input:
```

Fig. 7.3 Command Line Input

The fig.7.3 shows the command line input operation of the media player. Initially we pass input as argument along with the program to the interpreter. During the program execution, the input sequence is read one after the other and corresponding operation is executed. Once the user input End-Of-Line is encountered, the user is prompted for next sequence of input.