"Accuracy= " "TP+TN" /"N" "×100% = " "61+50" /"120" " × 100% = 93 % (6) "

Table II shows the comparison of the proposed MFCC feature extraction technique with other feature extraction technique namely Linear Predictive Analysis (LPC). MFCC is derived on the concept of logarithmically spaced filter bank, clubbed with the concept of human auditory system and hence had the better response compared to LPC parameters. As the frequency bands are positioned logarithmically in MFCC, it approximates the human system response more closely than any other techniques.

TABLE II. COMPARISON OF FEATURE EXTRACTION TECHNIQUES

No. Technique Classification Accuracy

1 Mel Frequency Cepstral Coefficient (MFCC) 93%

2 Linear Predictive

Analysis (LPC) 87%

"

True positives (the positive tuples that were correctly labeled by the classifier)

True negatives (the negative tuples that were correctly labeled by the classifier)

False positives (the negative tuples that were incorrectly labeled as positive)

False negatives (the positive tuples that were mislabeled as negative)