Algorithm

Step 1: Start.

Step 2: Record the word.

Step 3: Save it.

Step 4: Image display – Wave of saved voice.

Step 5: Image display-Wave of saved voice, after removing noise.

Step 6: Press 1 to processed for further speech detection process or ‘0’ to

stop.

Step 7: After pressing 1 (using MFCC software) it recognizes the word

and display it on PC screen.

Step8: Letters of detected word is transferred to the LCD serially and accordingly

hand assembly will represent it in ASL sings.

Step9: After complete representation of detected word in ASL sing using hand assembly,

hand assembly will come in its original position and stop.

Step 10: Stop.

Flow chart

START

S

1PRESSED

0PRESSED

STOP

HAND ASSEMBLY COME TO ITS ORIGINAL POSITION AFTER COMPLETE REPRESENTATION

LETTER DISPLYED ON LCD IS REPRESENED BY HADN ASSEMBLY IN ASL SIGN

DETECTED DATA SERIALLY TRANSFER TO LCD

DETECTED WORD OR LETTER DISPLAY ON PC SCREEN

PRESS 1’ OR’0

?

DISPLAY IMAGE- WAVE OF INPUT VOICE AFTER REMOVAL OF NOISE

DISPLAY IMAGE –WAVE OF INPUT VOICE

SAVE THE RECORDED VOICE INPUT

RECORD THE INPUT VOICE