#include <math.h> //include speaker control library

#include <SD.h> //include SD module library

#include <TMRpcm.h>

#include <Wire.h>

#define SD\_ChipSelectPin 4

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27, 16, 2);

TMRpcm tmrpcm;

int flexPin1 = A0;

int flexPin2 = A1;

int flexPin3 = A2;

int flexPin4 = A3;

int value1=0;

int value2=0;

int value3=0;

int value4=0;

int count;

int voice\_count=0;

void setup() {

Serial.begin(9600);

value1 = analogRead(flexPin1);

value2 = analogRead(flexPin2);

value3 = analogRead(flexPin3);

value4 = analogRead(flexPin4);

lcd.init();

lcd.backlight();

lcd.setCursor(0, 0);

lcd.print("Speaking System");

lcd.setCursor(0, 1);

lcd.print("For physically ");

delay(6000);

lcd.clear();

lcd.setCursor(0, 0);

lcd.print("Disable people");

delay(3000);

lcd.clear();

lcd.setCursor(0, 0);

lcd.print("EEE/ETE/CSE 499");

lcd.setCursor(4, 1);

lcd.print("Project ");

delay(6000);

lcd.clear();

tmrpcm.speakerPin = 9; //define speaker pin.

//you must use pin 9 of the Arduino Uno and Nano

if (!SD.begin(SD\_ChipSelectPin)) { //see if the card is present and can be initialized

return;

}

}

void loop() {

lcd.setCursor(0, 0);

value1 = analogRead(flexPin1);

value2 = analogRead(flexPin2);

value3 = analogRead(flexPin3);

value4 = analogRead(flexPin4);

Serial.print("/n4= ");

Serial.print(value1);

delay(400)

if(value1>920) {

lcd.clear();

lcd.setCursor(0,0);

lcd.print("Asslamu Alikum");

lcd.setCursor(0,1);

lcd.print("Sir");

tmrpcm.setVolume(5);

tmrpcm.play("6.wav");

delay(2000);

}

if(value2>930) {

lcd.clear();

lcd.setCursor(0,0);

lcd.print("I Feel Bad,");

lcd.setCursor(0,1);

lcd.print("Need Help");

tmrpcm.setVolume(5);

tmrpcm.play("1.wav");

delay(2000);

}

if(value3>900) //

{

lcd.clear();

lcd.setCursor(0,0);

lcd.print("Thank you ,Sir");

tmrpcm.setVolume(5);

tmrpcm.play("7.wav");

delay(2000);

}

if(value4>825) //v3=781,v2=785,v1=771, v=834 ,v4=

{

lcd.clear();

lcd.setCursor(0,0);

lcd.print("I Sense problem");

lcd.setCursor(2,1);

lcd.print("ahead");

tmrpcm.setVolume(5);

tmrpcm.play("11.wav");

delay(2000);

}

}