Code in NodeMCU:

```
#include <ESP8266WiFi.h>

#include <FirebaseArduino.h>

#include <Wire.h>  // library for I2C protocol

 #include <LiquidCrystal_I2C.h> // library for I2C LCD

 LiquidCrystal_I2C lcd = LiquidCrystal_I2C(0x27,16,2); // set the LCD address to 0x27 for a 16 chars and 2 line display


#define FIREBASE_HOST "iotproject-6483b-default-rtdb.firebaseio.com"

#define FIREBASE_AUTH "xMpRk8Ii0SRxMSQXkqnvcOHelSTENfa6U4VHQVg0"

#define WIFI_SSID "realme 8"

#define WIFI_PASSWORD "Realme@8"


void setup()

{

  lcd.begin(16,2);

 lcd.init();    // initialize the lcd

 lcd.backlight(); // backlight ON


 Serial.begin(9600);

 pinMode(D4,INPUT);             // For Booking

 pinMode(D3,INPUT);             // For Polling



 WiFi.begin(WIFI_SSID, WIFI_PASSWORD);

 Serial.print("Connecting to ");

 Serial.print(WIFI_SSID);


 while (WiFi.status() != WL_CONNECTED) {
```

```
   Serial.print(".");
   delay(500);
  }

  Serial.println();
  Serial.print("Connected");
  Serial.print("IP Address: ");
  Serial.println(WiFi.localIP());                    //prints local IP address
  Firebase.begin(FIREBASE_HOST, FIREBASE_AUTH);          // connect to the firebase

}

void loop()
{

  byte booking = digitalRead(D4);
  byte polling = digitalRead(D3);

    if(booking==LOW && polling==LOW)
    {
      lcd.clear();
      Firebase.setString("/NodeMCU/Booking/", "0");
      delay(500);
      Firebase.setString("/NodeMCU/Polling/", "0");
      delay(500);
      lcd.setCursor(0,0);
      lcd.print("Start!");
      delay(1000);
      }
```

```
else if(booking==HIGH && polling==LOW)
 {
  lcd.clear();
  Firebase.setString("/NodeMCU/Booking/", "1");
  delay(500);
  Firebase.setString("/NodeMCU/Polling/", "0");
  delay(500);
  lcd.setCursor(0,0);
  lcd.print("Booking Started!");
  delay(1000);
  }
 else if(booking==LOW && polling==HIGH)
 {
  lcd.clear();
  Firebase.setString("/NodeMCU/Booking/", "0");
  delay(500);
  Firebase.setString("/NodeMCU/Polling/", "1");
  delay(500);
  lcd.setCursor(0,0);
  lcd.print("Polling Started!");
  delay(1000);
  }
  else{
    lcd.clear();
    lcd.setCursor(0,0);
    lcd.print("Can't Do Both!");
    delay(500);
    }
```

```
  if (Firebase.failed())
  {

    Serial.print("pushing /logs failed:");
    Serial.println(Firebase.error());
    return;
}
  else
    Serial.print("pushed");
}
```