



St. JOSEPH'S COLLEGE
Tiruchirappalli

```
25 // the setup function runs once when you press reset or power the board
26 void setup() {
27     // initialize digital pin LED_BUILTIN as an output.
28     pinMode(LED_BUILTIN, OUTPUT);
29     Serial.begin(9600);
30 }
31
32 // the loop function runs over and over again forever
33 loop() {
34     digitalWrite(LED_BUILTIN, HIGH); // turn the LED on (HIGH is the voltage level)
```

Certificate Course in

ARDUINO PROGRAMMING

```
"C:\\Users\\ianmb\\AppData\\Local\\Arduino15\\packages\\rp2040\\tools\\pqt-gcc\\1.4.0-c-0196c06/
Sketch uses 50724 bytes (2%) of program storage space. Maximum is 2093056 bytes.
Global variables use 7268 bytes (2%) of dynamic memory, leaving 254876 bytes for local variables
"C:\\Users\\ianmb\\AppData\\Local\\Arduino15\\packages\\rp2040\\tools\\pqt-python3\\1.0.1-base-3a57aed/pyt
Resetting COM1
Converting to uf2, output size: 131584, start address: 0x2000
Flashing D: (RPI-RP2)
Wrote 131584 bytes to D:/NEW.UF2
```

- **Who can apply?**

UG and PG students

- **Teaching Mode**

Offline

- **Course Coordinators**

Dr. Sivakamasundari

- **Contact for queries**

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Course overview

- Familiarises with the students Arduino hardware and IDE.
- Interface input devices & sensors & interpret interface output devices.
- Helps analyse and implement communication protocols.

Duration

45

Hours

Course Fee
₹ 1000