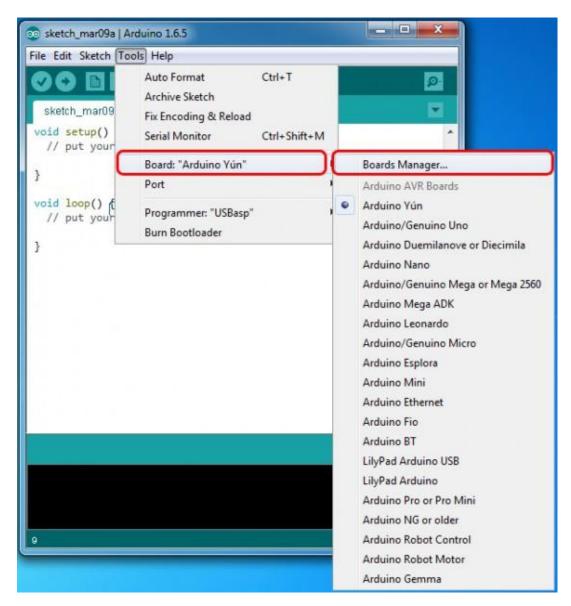


To begin open the Arduino IDE programming environment and go to settings

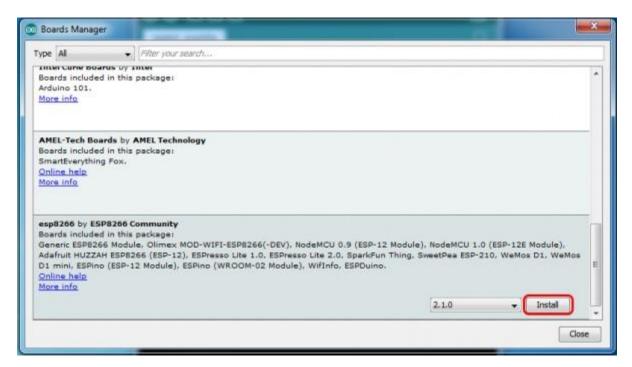
Then in the window that appears in the row, Additional Boards Manager URLs (marked in red) insert http://arduino.esp8266.com/stable/package_esp8266com_index.json link for installation in Arduino IDE additional scripts that would work with the modules ESP8266 and click OK

Preferences			×
Sketchbook location:			
C: \Users \admin \Documents \Arduino			Browse
Editor language: English (English) Editor font size: 12 Show verbose output during: compilation upload Compiler warnings: None Display line numbers Enable Code Folding Verify code after upload Use external editor V check for updates on startup	•	(requires restart of Arduino)	
Update sketch files to new extension on save (.pde -> .ino)			
Save when verifying or uploading			
Additional Boards Manager URLs:			
More preferences can be edited directly in the file			
C:\Users\admin\AppData\Roaming\Arduino15\preferences.bxt			
(edit only when Arduino is not running)			OK Cancel



Then go to the Tools> Board> Boards Manager

In the window that appears, scroll through the list down to the script esp8266 by ESP8266 Community and click.



In the lower right corner will be able to select the version of the software, select the version 2.1.0 (the newest) and click the Install button

💿 Boards Manager		x
Type Al -	Filter your search	
Boards included in this Arduino/Genuino 101. More info		*
AMEL-Tech Boards by J Boards included in this SmartEverything Fox. Online help More info		
Adafruit HUZZAH ESP82		
	Instaling	
	Installing tools (2/3)	cel

After installation, close the window and go to Tools> Board and see the list of available devices on the chip programming ESP8266

Edit Sketch To	ols Help		
ketch_mar23 void setup // put y	Auto Format Archive Sketch Fix Encoding & Reload Serial Monitor Serial Plotter	Ctrl+T Ctrl+Shift+M Ctrl+Shift+L	
3 4 } 6 void loop(7 // put y 8 9 }	ESP8266 Sketch Data Upload WiFi101 Firmware Updater Board: "Generic ESP8266 Module" Flash Mode: "DIO"		Arduino Fio Arduino BT LilyPad Arduino USB LilyPad Arduino
	Flash Mode: "DIO" Flash Frequency: "40MHz" CPU Frequency: "80 MHz" Flash Size: "512K (64K SPIFFS)" Debug port: "Disabled" Debug Level: "None" Reset Method: "ck" Upload Speed: "115200" Port Get Board Info		Arduino Pro or Pro Mini Arduino NG or older Arduino Robot Control Arduino Robot Motor Arduino Gemma Adafruit Circuit Playground Arduino Yún Mini Arduino Industrial 101 Linino One Arduino Uno WiFi
	Programmer: "AVRISP mkll" Burn Bootloader	3	ESP8266 Modules Generic ESP8266 Module
			Generic ESP8285 Module ESPDuino (ESP-13 Module) Adafruit HUZZAH ESP8266 ESPresso Lite 1.0 ESPresso Lite 2.0

Next, you need to select the card as shown in the picture (Generic ESP8266 module)

	Debug Level: "None"	>		
	Reset Method: "ck"	>		
	Upload Speed: "115200"	2	٠	115200
	Port	;		9600
	Get Board Info			57600
	Programmer: "AVRISP mkll"			256000
-	Burn Bootloader			512000
	ban bootoader			921600

Select the upload speed - 115200

Tools Help)		
Auto	Format	Ctrl+T	
Archiv	ve Sketch		
Fix En	coding & Reload		
Serial	Monitor	Ctrl+Shift+M	
Serial	Plotter	Ctrl+Shift+L	
ESP82	66 Sketch Data Upload		
WiFi1	01 Firmware Updater	45	2
Board	l: "Generic ESP8266 Module"	>	
Flash	Mode: "DIO"	>	
Flash	Frequency: "40MHz"	>	
CPU F	requency: "80 MHz"	>	
Flash	Size: "512K (64K SPIFFS)"	>	
Debug	g port: "Disabled"	>	
Debug	g Level: "None"	>	
Reset	Method: "ck"	>	
Uploa	d Speed: "115200"	>	
Port		>	
Get Bo	oard Info		

======test sketch for ATmega2560========

void setup()

{

Serial3.begin(115200);

pinMode(13,OUTPUT);

delay(500);

```
Serial3.println("AT+CIPMUX=1");
```

delay(2000);

Serial3.println("AT+CIPSERVER=1,5000");

delay(2000);

Serial3.println("AT+CIPSTO=3600");

delay(2000);

```
}
```

void loop()

{

while(Serial3.available())

{

char Rdata;

Rdata=Serial3.read();

```
if(Rdata=='A'|Rdata=='a')
```

{

```
digitalWrite(13,HIGH);
```

delay(50);

}

```
else if(Rdata=='B'|Rdata=='b')
```

{

```
digitalWrite(13,LOW);
```

delay(10);

digitalWrite(13,HIGH);

delay(10);

```
digitalWrite(13,LOW);
```

```
}
```

else

```
{
```

```
digitalWrite(13,LOW);
}
```

```
}
```

```
}
```