

# Python Module pywhatkit

Pywhatkit is a Python module that performs automation tasks like sending messages on WhatsApp, playing videos on YouTube, searching on Google, getting information and more.

## Core Function of pywhatkit

Function Name	Purpose
sendwhatmsg()	<p>Send a WhatsApp message at a scheduled time.</p> <ul style="list-style-type: none"><li>You set a phone number, message, and time (hour and minute), and it will open WhatsApp Web and send the message automatically at that time.</li></ul>
sendwhatmsg_instantly()	<p>Send a WhatsApp message immediately.</p> <ul style="list-style-type: none"><li>No need to set time. Just give the number and message, and it sends it right away using WhatsApp Web.</li></ul>
sendwhatmsg_to_group()	<p>Send a scheduled message to a WhatsApp group.</p> <ul style="list-style-type: none"><li>Instead of a phone number, you give the WhatsApp group ID, a message, and time. It opens the group chat in WhatsApp Web and sends the message at the set time.</li></ul>
sendwhats_image()	<p>Send an <b>image or GIF</b> on WhatsApp to a person or group with an optional caption.</p> <ul style="list-style-type: none"><li>You send images on whatsapp on person number or group id, and also set caption and time(hour and minute)</li></ul>
playonyt()	<p>Play a video on YouTube using search words.</p> <ul style="list-style-type: none"><li>You type something like “Python tutorial,” and it opens YouTube in your browser and starts the top video matching those words.</li></ul>
search()	<p>Search on Google automatically.</p> <ul style="list-style-type: none"><li>You give a search term like “What is AI,” and it will open your browser and search that on Google.</li></ul>
info()	<p>Get a short explanation from Wikipedia.</p> <ul style="list-style-type: none"><li>You provide a topic like “India,” and it shows a brief summary from Wikipedia. You can also set how many lines to show.</li></ul>
text_to_handwriting()	<p>Convert typed text into a handwritten-style image.</p> <ul style="list-style-type: none"><li>Give it any text (like “Hello World”) and it creates an image that looks like it was written by hand. You can save it as a .png image.</li></ul>
image_to_ascii_art()	<p>Turn an image into ASCII art (text art).</p> <ul style="list-style-type: none"><li>You give it a picture file, and it converts that image into black-and-white text characters that look like the image (like in old-school coding or terminal graphics).</li></ul>
shutdown()	<p>Schedule your computer to shut down after some time.</p> <ul style="list-style-type: none"><li>You set the number of seconds (like 60), and your computer will automatically turn off after that time.</li></ul>

cancel_shutdown()	<p>Stop a scheduled shutdown.</p> <ul style="list-style-type: none"> <li>If you have set the computer to shut down using shutdown(), this function will cancel that action.</li> </ul>
check_window()	<p>Ensure Browser Window is Focused for Automation</p> <ul style="list-style-type: none"> <li>Makes sure the <b>browser window is active</b> and properly positioned before sending WhatsApp messages (internal helper function).</li> </ul>
show_history()	<p>Show a list of sent WhatsApp messages.</p> <ul style="list-style-type: none"> <li>This shows a record of WhatsApp messages you have sent using pywhatkit during the current session.</li> </ul>
send_mail()	<p>Send an email using Python (through Gmail or SMTP).</p> <p>This function lets you send emails by connecting to an email server (like Gmail), but it's not commonly used in all versions of the module.</p>

### Common Parameters/Attibutes

Parameter Name	Purpose	Default Value
wait_time	Time (in seconds) to wait before sending the message after opening WhatsApp Web.	20
tab_close	Close the browser tab automatically after the message is sent.	False
close_time	How many seconds to wait before closing the tab (only if tab_close=True).	3
lines	Number of lines to return from Wikipedia summary.	3
save_to	File name to save the handwriting image.	"pywhatkit_handwriting.png"
caption	Optional text caption for the image you are sending.	""
time	Time (in seconds) after which your PC will shut down.	10

# Examples

## 1.sendwhatmsg()

```
import pywhatkit as pw  
  
pw.sendwhatmsg("+911234567890", "Hello, this is a test", 15, 30)
```

### Parameters:

- phone\_num: Phone number with country code
- message: The message to send
- time\_hour: Hour (24-hour format)
- time\_minute: Minute

## 2.sendwhatmsg\_instantly()

```
pw.sendwhatmsg_instantly("+911234567890", "Hi there!")
```

## 3.sendwhatmsg\_to\_group()

```
pw.sendwhatmsg_to_group("ABCD1234EfG", "Hello group!", 14, 0)
```

### Notes:

- insert group id rather than phone number

## 4. sendwhats\_image()

```
pw.sendwhats_image( "+911234567890", "C:/Users/YourName/Desktop/image.jpg", "Check this out!", 20, True, 5 )
```

```
receiver="+911234567890",
```

```
img_path="C:/Users/Desktop/image.jpg",
```

```
caption="Check this out!",
```

```
wait_time=20,
```

```
tab_close=True,
```

```
close_time=5
```

## 5.playony()

```
pw.playonyt("Python Tutorial for Beginners")
```

## 6.search()

```
pw.search("What is the capital of France?")
```

## 7.info()

```
pw.info("Python programming", lines=3)
```

## 8.image\_to\_ascii\_art()

```
pw.image_to_ascii_art("image.jpg", "ascii_output")
```

## 9.text\_to\_handwriting()

```
pw.text_to_handwriting("Hello World!", save_to="handwritten.png")
```

## 10.shutdown()

```
pw.shutdown(time=20)
```

## 11.cance\_shutdown()

```
pw.cancel_shutdown()
```

## 12.show\_history()

```
pw.show_history()
```

## 13.check\_window()

```
pw.check_window()
```

## 14.send\_mail()

```
sender_email = "abc123@gmail.com"
```

```
sender_password = "yourapppassword" # App-specific password (not your Gmail login)
```

```
subject = "Test Email from Python"
```

```
message = "Hello! This email was sent using pywhatkit."
```

```
receiver_email = "friend123@gmail.com"
```

```
pw.send_mail(sender_email, sender_password, subject, message,  
receiver_email)
```