(All steps all done in terminal)

Setup:

1.Make sure you have python and crontab on your system.

Most likely you might already have python on your system but if not please make sure to install it as the code.py file is a python file.

Crontab should already be installed on your system but if not run the following commands in terminal:

```
sudo apt-get update
sudo apt-get install cron
```

2.Moving zoom_auto file to usr directory

Assuming that my username is "usr"

(Please make sure to replace "usr" with your username in all the commands consisting "usr")

Type: (assuming that all your downloaded file go to 'Downloads')

```
mv /home/”usr”/Downloads/zoom_auto /home/usr/
```

3.Setting invite link and executing it

after that enter the following commands:

```
nano /home/"usr"/zoom_auto/code.py
```

Then fill the ' ' in (url = ' ') with your invite link

To save and quit the editor - press "ctrl+o", then enter on you keyboard, then "crtl+x"

Then enter:

```
nano /home/"usr"/zoom_auto/bash.sh
```
add “/home/”usr”/zoom_auto” in front of “cd”

4.setting and editing crontab

type:
```
crontab -e
```

If your using crontab for the first time, it could give an option to set your default crontab editor.
chose your choice of editor, but if your new to all this its best you use "nano" which should be "1" and marked as the easiest

onces your in the editor type:

```
* * * * * /home/"usr"/zoom_auto/bash.sh
```
(replace "usr" with your username)

then save and quit the editor

5.setting and editing cron_timings.txt

Type:

```
nano /home/"usr"/zoom_auto/cron_timings.txt
```

onces your in the editor type:

```
* * * * * /home/"usr"/zoom_auto/bash.sh
```

then save and quit the editor

6.linking crontab with cron_timings.txt:

Type:

```
crontab /home/"usr"/zoom_auto/cron_timings.txt
```

Now your files have been setup. But you still have to set your time.

Setting up time in crontab:

This is what the " * * * * * " in cron_timings.txta and crontab -e means:

```
* * * * * "command to run"
- - - - -
| | | | |
| | | | ----- Day of week (0 - 7) (Sunday=0 or 7)
| | | ------- Month (1 - 12)
| | --------- Day of month (1 - 31)
| ----------- Hour (0 - 23)
------------- Minute (0 - 59)
```

-So for example:

```
8:30am - 30 8 * * * "and the your command"
6:30pm - 30 18 * * * "and the your command"
          (time should be set in military time)

Nov-24 5:20am - 20 5 24 11 * "and the your command"
```

-to set multiple dates you can do as the following example:

```
jan-17 and june-17 5:20am - 20 5 17 1,5 * "and the your command"
```

-Assuming your a student and you have classes at a specific time:

consider that you have;

```
Math at 9:00am
Physics at 10:30am
Geography at 12:00pm
    (then a lunch break)
Chemistry at 1:00pm ..and so on
```

and you only want crontab to run the code on weekday and not on weekends

You could set your crontab time as:

```
00 09 * * 1-5 /home/"usr"/zoom_auto/bash.sh #math class
30 10 * * 1-5 /home/"usr"/zoom_auto/bash.sh #physics class
00 12 * * 1-5 /home/"usr"/zoom_auto/bash.sh #geography class
00 13 * * 1-5 /home/"usr"/zoom_auto/bash.sh #chemistry class
```

The code will only run from monday-friday (1-5) at the specified time.

If you want it to run from monday-saturday, replace (1-5) with (1-6) where 1=monday to 6=saturday

To make theses changes type:

```
nano /home/"usr"/zoom_auto/cron_timings.txt
```

make your changes then, save and quit

then run:

```
crontab /home/"usr"/zoom_auto/cron_timings.txt
```

to check if the time entry changed then type:

```
crontab -l
```

the changes made should be visible

Testing

Its best to set the time 3 minutes ahead of your actual time to check if the code runs or not.

First lets individually run each script

1. type:

```
cd /home/"usr"/zoom_auto/
python3 code.py
```

This should open the url in your default webbrowser.

2. type:

```
cd /home/"usr"/zoom_auto/
./bash.sh
```

This should also open the url in your default webbrowser.

3. First set the time at which crontab should run the .py file.

Then wait until the clock hits that particular time and if all works well it should join you into your meeting.

Conclusion

If you followed the steps and everything worked just right, then you can rest assure that you will never be late or miss your class ever again.

Crontime will automatically start during startup so you dont need to enable it everytime you restart you computer.

Important note: This program will not work if you put your system to sleep or logged off. You can find scripts on the internet which can wake your machine up just to run the cronjob.