

## Introducing the DarkPaw Robot

### 1. About DarkPaw Robot

DarkPaw is an open source intelligent robot product for artificial intelligence and robot enthusiasts and students. It is also an open platform for Raspberry Pi-based robot development. It has the following features:

**Easy to assemble:** Adopting structural modular design, open hardware list and detailed assembly tutorial.

**Easy to learn:** Complete and detailed tutorials and sample code are provided for learning development, from algorithms to applications.

**Rich functions:** Color recognition, triangular gait, diagonal gait, self-balancing mode, web-based remote control, and lighting indicator are included.

**Acrylic structure:** Strong and durable.

**Extensible:** The structure can be expanded and DIY-ed.

**Web-based remote control:** Control the robot regardless of on a mobile phone, tablet, or computer, and on Windows, Linux, or Mac OS, only on the condition of a Chrome browser.

**Supports multiple Raspberry Pi versions:** Works with Raspberry Pi 3B, Raspberry Pi 3B+ and Raspberry Pi 4.

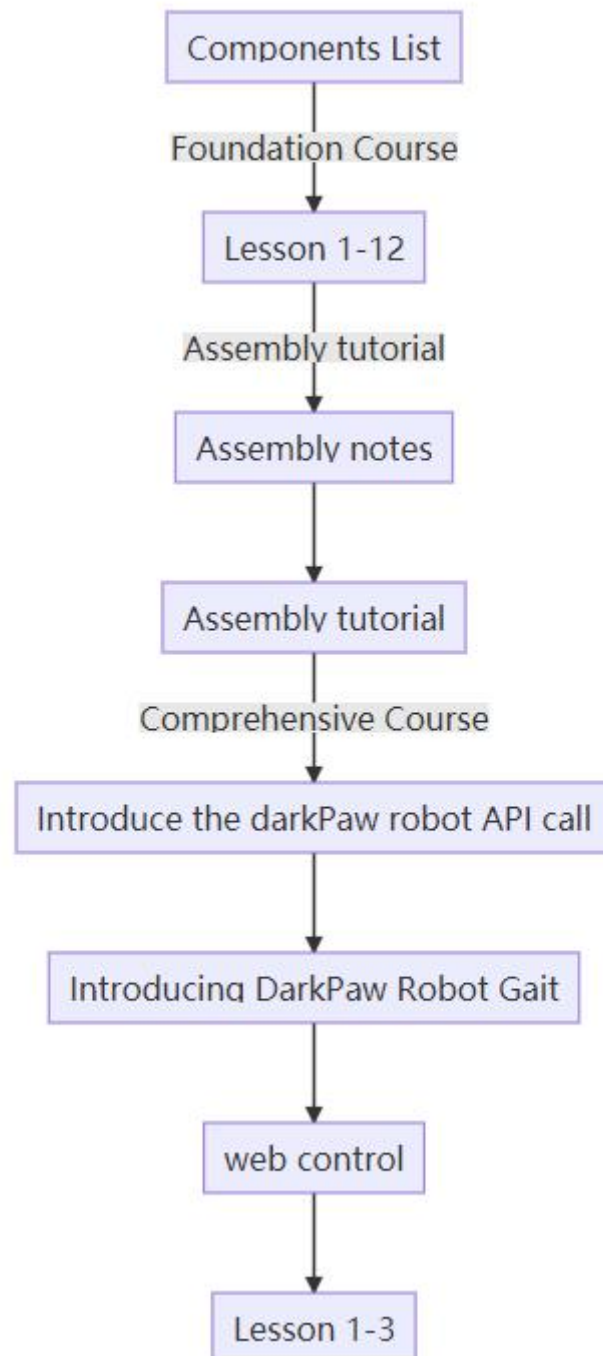
**Supports Python.**

## 2. About the Tutorials

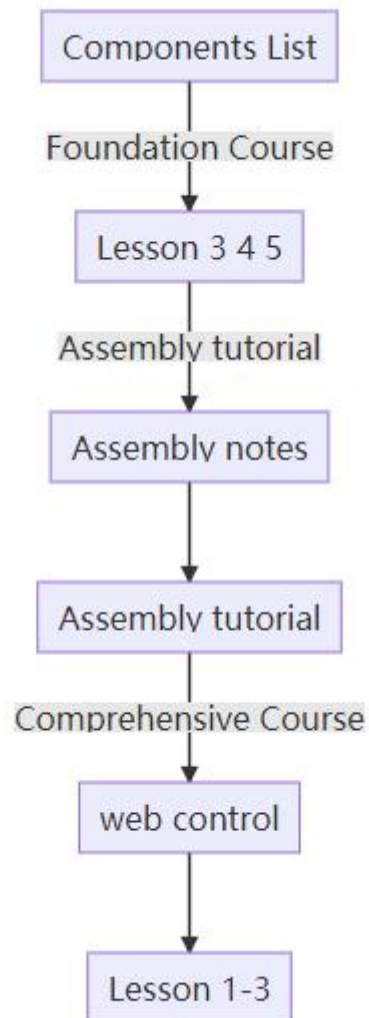
This documentation is for software installation and operation guide for the Python robot product. It describes every detail of the whole process of fulfilling the robot project by Python and Raspberry Pi from scratch as well as some precautions. Hope you can get started with the Raspberry Pi robot on Python and make more creations with this documentation.

Process of learning varies from users. Refer to the following guide for choosing the one for you:

- **For beginners getting started:** If you are new to Raspberry Pi or want to learn more about the functions of the parts.



- For users familiar with Raspberry Pi or **just want to make the robot quickly:**



### 3. References

[Robot Name]: Adeept\_DarkPaw

[Robot URL]: [https://github.com/adeept/adeept\\_darkpaw](https://github.com/adeept/adeept_darkpaw)

[Robot Git]: [https://github.com/adeept/adeept\\_darkpaw.git](https://github.com/adeept/adeept_darkpaw.git)

[Official Raspberry Pi website]: <https://www.raspberrypi.org/downloads/>

[Official Adeept website]: <https://www.adeept.com/>

[Robot GitHub]: [https://github.com/adeept/adeept\\_darkpaw/](https://github.com/adeept/adeept_darkpaw/)

[Image file and documentation for structure assembly]:

<https://www.adeept.com/learn/detail-38.html>