# RM2022 Embedded Tutorial Arrange

The embedded coaching will be from 9.22 to 10.23, after which everyone will have an intra-team competition. We will use your homework grade and competition results as the assessment criteria for joining the team.
The tutorial will be a combination of online and offline, please make sure you have understood the knowledge in the online video before taking the offline sessions. The online video mainly teaches the required knowledge, and the offline course will be homework guidance and QA.

## Tutorial timeline

| Date/Time | Things you need to do |
| --- | --- |
| 9.22 - 10.5 | Finish all Git&C++ videos and finish environment set up |
| **10.2 15:30-17:30** | Offline session 1: Git&C++ |
| 10.6 - 10.12 | Finish Embedded video 1 (set up environment and GPIO) |
| **10.9 15:30-17:30** | Offline session 2: Embedded: GPIO |
| 10.13 - 10.19 | Finish Embedded video 2 (CAN & USART) |
| **10.16 15:30-17:30** | Offline session 3: Embedded: USART |
| 10.20 - 10.26 | Finish Embedded video 3 (PID) |
| **10.23 13:00-15:00** | Offline session 4: Embedded: Turn On Motor |
| Before 10.26 23:59 | DDL of your C++ assignment |
| Before 11.15 23:59 | DDL of your Embedded demo assignment |

## Tutorial Resources

1. Online videos and PPT
   Google Drive
   OneDrive
2. Assignment Repo
3. Notice Board: All the update of videos and assignments will be put here
4. Contact Us: In the WeChat/Whatsapp group

## Assignment format

**Git**:
Please refer to Assignment0 and please finish it first.
**C++**:
The homework will be divided into two parts, review questions and programming exercises. For the review questions for each assignment, please complete them in a text document. The programming exercise template has been provided, you can edit it directly in the file.

**Embedded**:

After completing the code, you can contact any TA for demo. Also remember to update your code in GitHub, we also need to check that.

## Grading scheme

| Item | Percentage |
|------|-----------|
| Assignment | 40% |
| Competition | 60% |

**NOTE: You must complete all C++&Git homework to participate in the competition**