*First Meeting Note*

1. *Attendance list (who attended, and who did not, and for what reason?)*

*Timi, Qianyu Hu, Kexin Zhang, Weitao Deng, Yutong Cui,*

*Dongjian Ma, Mengting Wang, Botong Wen,*

1. *Date, time and place for the meeting*

*Tuesday 3pm. 15 October 2024 in QUAD-2.22（south）*

1. *Report on the preparations (what issues, questions and challenges were brought up?)*

*(1). The introduction of AutoCup group project and competition*

*(2). The distribution of team tasks and election of leaders*

*(3). The specific tasks in project*

*(4). Potential focus and research direction*

1. *Advice that you received*
2. *Hardware support*
3. *Concrete steps in developing this project:*

*First step: 2-week environment set-up.*

*Second step: simulation on Gazebo and Linux or Visual Box.*

*Third step: real robotic arms systems and debugging, data modification.*

1. *Competition details: Mexico*
2. *Decisions that were made*

*(1) Distribution of team tasks and original tasks list*

*Transformation: Timi*

*Control: Qianyu Hu, Botong Wen*

*Object detection: Dongjian Ma, Weitao Deng, Kexin Zhang, Botong Wen*

*Motion Planning: Yutong Cui, Mengting Wang*

*(2) Leader election*

*Botong Wen*

1. *Actions that were agreed on*

*We all think that we can keep playing this competition not just the group project, which could help us have a better understanding of the robotic arm system and get an unforgettable experience.*