

Minutes of meetings

Minutes of meetings

Group 3 Meeting I
IOT Group Meeting I
Telecom Group Meeting I
E-commerce Group I
Group 3 Meeting II
IOT Group Meeting II
E-commerce Group II
Telecom Group II

Group 3 Meeting I

- Date/Time: 6th June, 2023, 12:00 am.
- Location: S1 classroom 306
- Attendance:
 - Jinghan Wang (Leader)
 - Jingtong Liu
 - Chenghao Zeng
 - Jiayang Liu
 - Tianyu Zheng
 - Jianyi He
 - Xu Li
 - Xinxin Zhang
 - Ning Liu
 - Yuqi Wang
- Agenda:
 1. Define group tasks and requirements, discuss timelines
 2. Determine the connections of the parts.
 3. Initial envisioning and planning of the entire project
- Proceeding:
 1. Clarify the task schedule: Determine the tasks and timelines of each team to facilitate future action planning.
 2. Connections of different parts: It was discussed how the different parts could be connected to facilitate the integration of subsequent projects
 3. Initial envisioning and planning of the entire project : Preliminary planning and arrangement of the entire project to lay the foundation for the realization of the project.

IOT Group Meeting I

- **Date/Time:** 15th June, 2023, 12:00 am.

- **Location:** S1 classroom 406
- **Attendance:**
 - Jinghan Wang (Leader)
 - Jingtong Liu
 - Chenghao Zeng
- **Agenda:**
 1. Overview of the project status and goals.
 2. Evaluation of current software capabilities and potential updates.
 3. Discussion on data sources and quality.
- **Proceeding:**
 1. **Configure the software required for training:** After reviewing current software infrastructure, it was decided to update certain modules to facilitate smoother training.
 2. **Collection and regulation of datasets:** Emphasis was laid on collecting diversified datasets and cleaning them to remove outliers. The team was encouraged to collaborate with external sources if needed.
 3. **Distribute the work and set the deadline:** Responsibilities were distributed among members, with clear checkpoints set. Jinghan Wang would oversee the entire process and help in addressing challenges.

Telecom Group Meeting I

- **Date/Time:** 25th June, 2023, 9:00am.
- **Location:** S3 classroom 301
- **Attendance:**
 - Xu Li (Leader)
 - Jianyi He
 - Xinxin Zhang
 - Ning Liu
- **Agenda:**
 1. Overview of the project status and goals.
 2. Research how to install car parts.
 3. Learn how to use Arduino.
 4. Discussion about the selection to sensors.
- **Proceeding:**
 1. **Follow this video tutorial to install the trolley:** After listening to teacher's instruction, our team began to assemble our trolley according to the video we searched.
 2. **Discussion about how to achieve the basic function of obstacle avoidance:** There are two types of sensors for obstacle avoidance, ultrasonic sensors and infrared sensors respectively. Emphasis was laid on how to choose the sensor. The team was aimed to use three ultrasonic sensors after discussion.

3. **Distribute the work and set the deadline:** Responsibilities were distributed among members, with clear checkpoints set. And members need to finish the corresponding work before the deadline.

E-commerce Group I

- Date/Time: 26th June, 2023, 12:00 am.
- Location: S1 classroom 208
- Attendance:
 - Jiayang Liu (Leader)
 - Tianyu Zheng
- Agenda:
 1. Determine the objectives and scheduling of the project.
 2. Determine web page flow and design
- Proceeding:
 1. Identify and configure the project's software and environment: According to the current requirements, select the appropriate software and compilation environment to better complete the project.
 2. Web page design and process and database construction: Refer to some web design examples to determine the login and registration process of the entire web page. Discuss the design of the tables in the database and determine it.
 3. Distribute the work and set the deadline: Define everyone's responsibilities and make sure deadlines are met.

Group 3 Meeting II

- Date/Time: 25th August, 2023, 12:00 am.
- Location: building 3 classroom 535
- Attendance:
 - Jinghan Wang (Leader)
 - Jingtong Liu
 - Chenghao Zeng
 - Jiayang Liu
 - Tianyu Zheng
 - Jianyi He
 - Xu Li
 - Xinxin Zhang
 - Ning Liu
 - Yuqi Wang
- Agenda:
 1. Determine the tasks of the students of each major, discuss timelines
 2. Discuss how to complete the combined tasks.

3. Determine the time to integrate all tasks and test the car.
- **Proceeding:**
 1. Define what the tasks of each major are, determine the common free time and how to hand over each major.
 2. Make clear the tasks of interaction and how to accomplish them, such as Wi-Fi transmitting video, etc.
 3. Demonstrate the functions that have been completed by various majors and discuss how to accomplish the remaining tasks together.

IOT Group Meeting II

- **Date/Time:** 2th September, 2023, 1:00 p.m.
- **Location:** S1 classroom 104
- **Attendance:**
 - Jinghan Wang (Leader)
 - Jingtong Liu
 - Chenghao Zeng
- **Agenda:**
 1. Review the results of the initial training.
 2. Deliberate on the quality and composition of the dataset.
 3. Discuss potential software and parameter adjustments.
- **Proceeding:**
 1. **Check the effectiveness of data augmentation:** The team noted an improvement in the model performance with data augmentation but highlighted the need for more variance.
 2. **Decide to add negative samples to the dataset:** To further improve the model's discrimination capability, it was unanimously decided to incorporate negative samples. This would challenge the model to differentiate between a wider range of data.
 3. **Debug parameters for further training:** Some inconsistencies were observed in the training results. A collective brainstorming session led to identification of potential parameter mismatches which would be rectified in the subsequent sessions.

E-commerce Group II

- **Date/Time:** 6th September, 2023, 12:00 am.
- **Location:** S1 classroom 209
- **Attendance:**
 - Jiayang Liu (Leader)
 - Tianyu Zheng
- **Agenda:**
 1. Review the results of the initial learning.
 2. Discusses the front-end page design and data display patterns

3. Discuss the data properties and display of the database based on data from other groups.
- **Proceeding:**
 1. Improve the page design: Further discuss the front-end page design in order to improve the aesthetics of the page, and make the page more concise and the data clearer.
 2. Enables real-time database updates: Discuss patterns for real-time database updates and identify feasible models based on current technology and capabilities.
 3. Testing and tuning of web pages: Detects possible errors in the web page and resolves them, and tests the user-friendliness of the web page.

Telecom Group II

- **Date/Time:** 16th September, 2023, 5:35 p.m.
- **Location:** classroom 3-337
- **Attendance:**
 - Xu Li (Leader)
 - Jianyi He
 - Xinxin Zhang
 - Ning Liu
- **Agenda:**
 1. Review the results of the initial training.
 2. Work out the problem which the car could not walk properly in the maze.
 3. Selection to the method of finding the treasure, whether using color sensors or ultrasonic sensors.
 4. Discuss how to connect WiFi, camera and use Bluetooth module to transmit data.
- **Proceeding:**
 1. **Debug running parameters of the car:** The team noted that the car needed different parameters to navigate the different mazes properly.
 2. **The way of finding treasure:** After discussion, the team selected the ultrasonic sensors by measuring the change of the distance while running.
 3. **Decide to the method of transmitting data:** To achieve this function conveniently, the team decide to use WIFI only. And connect camera to the car to take pictures for the treasure. When the ultrasonic sensors found the treasure, the camera would take photos and transmitted the data to computer by WIFI.