Smart Seat

Risk Plan V1.0

**Group members：**Hanyu Zhang, Tinghui Zhang, Huiying Han, Yikang Tao

# 1 Risks

## Personnel Risk

* Team member time and other things conflict.
* Team members can’t participate for a long time.
* The project manager is unreasonable in assigning team members, which makes the subsequent work impossible.

## Technical Risk

* Technical failure.
* Difficulties in technical problems cannot be solved, lack of systematic technical training.
* Lack of support between new technologies and existing technologies.

## 1.3 Demand Risk

* The needs within the group are constantly changing and constantly improving
* The cost is not enough, the equipment can not be purchased, the project can not advance the process.
* Due to lack of research, demand cannot meet users and market.

## 1.4 Compatibility Risk

* Because the project is an IoT project, after the module is developed alone, the module may be incompatible when it is summarized.

## 1.5 Management Risk

* The project manager has a poor plan when planning.
* The project manager does not have a good understanding of the capabilities of the group during the division of labor.
* Lack of good communication between people in the project team.

# 2. Countermeasures

## 2.1 Personnel Risk

* When developing a project plan, the time interval should be appropriately widened when assigning task time, taking into account the risk of time conflicts.
* Reassign project plans by assigning member tasks that cannot participate in the project to other members on average.
* Project managers should familiarize themselves with each member's areas of expertise and competency prior to developing a project plan to further develop project plans and schedules so that projects can be completed more efficiently.

## 2.2 Technical Risk

* If the technical failure cannot be solved, you should replace the new technology or use other feasible tools as soon as possible. If necessary, you can give up the performance requirements and complete the basic functions first.
* Seeking network or teacher help, you should also consider the learning time when planning your project.
* Find compatibility support, if you can't be compatible, you can give up the use of new technology

## 2.3 Demand Risk

* Modify the project plan in time according to different needs.
* On the basis of meeting the project plan, seek low-cost equipment, if it is unable to meet the current requirements, adjust project requirements or think about other solutions in a timely manner.
* Before doing the project plan, do a good job in market research and use iteration when you complete the project. You can find test users to participate in the development work.

## 2.4 Compatibility Risk

* Plan B when doing the project plan, consider using other tools to implement or other solutions to meet current needs.

## 2.3 Management Risk

* After the project manager finishes the project plan, he can modify the project plan according to the suggestions of the team members.
* Project managers should familiarize themselves with each member's areas of expertise and competency prior to developing a project plan to further develop project plans and schedules so that projects can be completed more efficiently.
* Properly arrange project group meetings, or group activities, to promote communication between members.