

# **"SenseTime Cup" International High School Student Artificial Intelligence Exhibition & Competition**

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## **1 Abstract**

The abstract should outline the main content of the project paper. We recommend that the abstract should have at least 50 and at most 200 words. There is no need to change pages between the abstract and the body.

## **2 Introduction**

This document serves as a sample project paper for formatting. This document will briefly describe the format of the paper we would like to see in the SenseTime Cup. At the same time, we will try to provide as much detail as possible from different angles as a general guideline, but not an absolute requirement.

### **2.1 Language**

It is recommended that students from outside China submit English papers, but corresponding Chinese versions are also welcome and accepted at the same time.

### **2.2 Length**

The body of the paper must have at least 4 pages but no more than 20 pages. The part of the cited literature is not included in the body of the paper. Papers with more than 20 pages will not be rejected, but only the first 20 pages will be printed for review.

### **2.3 Chapter numbering**

Please number all your charts, chapters and formulas. This will make the review of the paper more efficient. For example, the judges can more easily point out that there is a problem with a certain figure or a certain formula. Instead of “the first formula on the third page”.

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## 2.4 Font and line spacing

The line spacing should be set as single line spacing. The font size is recommended to be set as 12. A text size smaller than 10 will not be reviewed. The font is recommended to use SimSun or Times New Roman. Or other fonts are fine.

## 3 Principle of blind review

The review of the “SenseTime Cup” is one-sided blindfolded. That is, the reviewer can see the identity of the author and the school, but the author cannot see the identity of the reviewer when receiving feedback. In future competitions, it may be changed to double-blind review. Although there is currently no double-blind review, author should not emphasize their school in their own submissions, including its equipment, venues, students, etc.. If you use your own school’s equipment, please mention "a school" or "a high school" in the paper without specifying the name of the school. Further, if your work is based on a project you worked on before, you should make reference to the work including the project or school that you attended, rather than just referencing “During my/our previous experiment...”

## 4 Other format issues

The formatting requirements listed in this document are suggestions, not absolute requirements. The key is clarity. The lowest standard is that the paper should not be over-indented so that different contents ended up overlapping each other.

### 4.1 Tables or Forms

The description for a table needs to be placed above the table. It is recommended that the table to have one line spacing between the table and texts right above or below the table. Alternatively, you may put the table at the top of a page.

Table 1 The font of the table header can be smaller than the main content font (10 pt suggested)

4	9	2
3	5	7
8	1	6

## 4.2 Pictures / Graphs

The description of the picture or graph is usually placed below the picture / graph.



Figure 1 The description of the picture is placed at the bottom of the picture. You are welcome to participate in the SenseTime Cup Artificial Intelligence Competition.

If you use Word layout, the image is best set to wrap up and down or centered as content. If the paper is reaching the limit of the suggested length, i.e. 20 pages,, the description of the image can also be placed on the right side of the picture.

## 4.3 References

You should list all references in the final chapter of the paper. If you use references in the paper, you can use square brackets and reference numbers, such as [1], [2], [3].

## 5 Guideline for project report (paper) structure

In general, a basic report may contain four main parts: introduction, related work, methods and experiments. Of course, this depends on the actual topic and scenario. For example, a mathematical paper may have additional lemma and proof links.

### 5.1 Introduction

The introduction should describe the project motivation, and explain why the objective is difficult to achieve from the technical standard. What kind of issues/challenges will arise with a simple proposed solution? How have you improved this? At the end of the introduction, you need to describe the outcome or contribution of this piece of work,

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such as proposing a new type of system, and improvements and demonstrate a specific part of the system.

## **5.2 Related/Relevant work**

We don't need you to introduce every relevant work in great detail. The paper needs a general introduction to the latest developments in its own work. If the paper itself is very relevant to a previous project, you can add a chapter (preamble, or a method preamble) after the relevant work to briefly describe the relevant work. And in the relevant work chapter, the paper needs to point out why these related/relevant work in recent years cannot achieve their goals.

## **5.3 Method**

The method part needs to introduce the implementation process of your work and demonstrate the necessity of the steps.

## **5.4 Experiment**

Authors need to prove that their methods are novel and effective. On the one hand, you must compare the best methods presently available, and whether your proposed methods can compare to the existing ones. On the other hand, if the final objective is achieved in multiple steps, it is necessary to demonstrate the effect of each step on the final outcome. Is there an alternative to each part? Would an alternative lower performance and so on.

## **5.5 Conclusions and discussion**

This part is actually very important. If there are some follow-up plans that have not been completed under the tight schedule of the SenseTime Cup, the subsequent planning and experimental design, and the expected experimental results and conclusions can be described using 1/3 of the paper.

## **6 Special situations**

### **6.1 Group project converted to individual project**

If a group project is converted to a single-person project, the author needs and is obliged to introduce the group project in the related/relevant work section, to demonstrate the difference between the individual project and the group project. And the group project needs to be cited in the reference, and any awards that the group project has won should also be indicated.

### **6.2 Subsequent projects**

If the project is the continuation of a previous project already won an award in other science and technology competition, the author is obliged to introduce the previous project under the relevant work section, and demonstrate the improvements made by the new project to the previous project. The author needs to quote the previous project in the reference and list the awards that the previous project has already won.