[**Homework 4: technical report**](https://elearning.szu.edu.cn/webapps/assignment/uploadAssignment?content_id=_245640_1&course_id=_12698_1&group_id=&mode=view)

The last homework is to write a survey paper or technical report (of others or yourself). Here are some key suggestions:

•Select the topic (Other topics relevant to computer science are also acceptable): 1) network security; 2) Image processing or quality assessment; 3) machine learning. 4) information theory; 5) coding theory;

Here are more details of the topics:

1. **Computer vision and computer graphics area**, such as image recognition, object detection, semantic segmentation, 3D object detection, 3D semantic segmentation, 3D reconstruction, surface reconstruction.
2. **IoT area**, such as IoT applications, communications in IoT, networking in IoT, Ai in IoT, IoT security.
3. **Multimedia area**, such as objective image and video quality metrics, image processing, subjective assessment of image and video quality, subjective assessment of audio quality.
4. **Artificial intelligence area**, such as machine learning, deep learning, big data, recommender system, image recognition.
5. **Other specific areas**, such as mobile crowd sensing, mobile edge computing, sharing economy, information theory, coding theory.

**Our Standards of grading:**

1. Title (5 points)
2. Abstract (5 points)
3. Introduction of related works (30 points)
4. Key studies (20 points)
5. Discussion (10 points)
6. Conclusion (5 points)
7. Reference (10 points)
8. Using a compound sentence (1 point, no more than 15 points)

                 Each grammar error/typo (-1 point)

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Please find relevant papers to be used as reference, and write the survey in academic style.

•A word template has been provided. Please use it.

[专业研究期末大作业专用答题纸2022.doc](https://elearning.szu.edu.cn/bbcswebdav/pid-245640-dt-content-rid-3162817_1/xid-3162817_1)  
 

•The length about 1500-2000 words if written by one student, 2500-3000 words if written by two students jointly.

•The deadline is 29th of Dec.

Some examples can be found here.