

Term Project: Writing a scientific paper

Total Point: **55%**

This term project assignment requires you to work in a **group of two each**. Each group proposes a computer science related topic and writes a full paper of between 8 to 10 pages for the topic.

The writing process consists of the following steps:

1. Propose a topic related to computer science.
2. Write abstract, introduction, body, and conclusion sections of the paper.
3. Revise and submit the paper (first submission).
4. Revise the paper to address all comments from reviewers.
5. Submit the camera-ready paper (final submission).

The paper's length ranges from 8 to 10 pages including everything. The paper is formatted in two columns, single-space, and font 11.

Here are requirements for the assignment:

1. Project Assignment 1 (PA1): Propose a topic and write a summary of the topic (3%)

This is a very important task, and it is also is challenging for many of you. One reason is that you have probably not done any research yet to have anything new to write about. Another is that there are many topics from which you can write and most of them require a deep understanding of the background knowledge. But don't worry.

Your paper has to be new. In other words, your writing is new, different from others although materials are based on existing books, papers, etc. Fortunately, you are not necessarily required to create a new method to write about. Here are several ways that your paper can be considered new:

- It describes a new method to address an existing problem. That's great.
- It provides a systematic review of existing methods addressing an existing problem. That's great also, possibly worthy of publication.
- It describes an existing method but uses different data or applies a new method to evaluate the method.
- It compares existing methods and provides new insights.
- It describes an existing method in a very different way.

Discuss your ideas with the instructors to finalize the topic for your paper.

Along with deciding a topic, you will write a summary of your paper writing project which includes:

- Your group members
- Paper topic, problem to address, and area of research (e.g., computer networks, software test automation, and computer vision)
- References for your study.

Follow the following link to register your team members and topic:

<https://docs.google.com/spreadsheets/d/15m3ZbqpD4NQDzA5APlojUv3MKnaJHSIh8W8Tt25Sv8/edit?usp=sharing>

PA1 due date: 15/2/2026.

2. Write paper

Each group will write a paper whose sections are written and submitted for evaluation by reviewers and grading by the teaching staff. You will write sections separately according to the following schedule and assignments:

Assignment	Section/Requirement	Due date	Grade
PA2	Introduction, Background and Related work	26/2	3%
PA3	Method (plus the revision of all written sections)	5/3	3%
PA4	Experiment and Results (plus the revision of all written sections)	19/3	9%
PA5	Threats to validity, Conclusion, and Abstract (plus the revision of all written sections)	26/3	2%

3. PA6: Submit full paper (15%)

You will revise all sections and submit the full paper as if you submit the paper for a conference. Your classmates will be reviewers to review your paper. Each paper will be reviewed by at least three reviewers. Grades will be based on the reviewers' feedback and evaluation from the teaching staff.

PA7 due date: 2/4/2026

4. PA8: Submit camera-ready paper (20%)

You need to revise the paper by fixing all issues found by reviewers and submit the camera-ready version of your paper. Along with the paper, you are required to prepare a document to answer all comments from reviewers.

Your final submission will be graded according to how well you address the reviewers' concerns and the overall quality of your writing.

PA8 due date: 23/4/2026

Assignment submission

For each submission, if you have more than one file, compress all files into a single zip file. Convert all document files into PDF. Use the following naming convention to name your submissions:

PA<number>_<student1-id>_student2-id>.<file-extension>.

Grading Criteria: will be discussed in class.