



SELF-ORGANIZING SYSTEMS

2025 – 2026

Project Assignment Instructions

Each student is required to complete a **project** related to the field of *Self-Organization* and submit it in the form of a **written report**, structured like a research article. In addition to the report, you will give **two presentations**: one intermediate and one final.

A. Written Report (Project Description) – 60% of the final project grade

Your report should be **concise but informative**, minimum **5 pages**, and structured like an academic article. The report should include the following sections:

1. Introduction

- Briefly introduce the topic of your project.
- Explain why the subject is interesting or important.
- State your project goals or research questions.

2. State-of-the-Art

- Present a **short review** of related work or existing approaches.
- Mention key references (2–4 sources are sufficient).
- Explain how your work relates to or differs from existing work.

3. Method

- Describe the approach, algorithm, technique, and framework you used.
- Be clear and precise, but avoid unnecessary detail.

4. Results

- Present your main results (e.g., figures, tables, findings).
- Discuss what the results show and any interesting observations.

5. Conclusions

- Summarize what you accomplished.
- Reflect briefly on limitations and possible future work.

B. Presentations

I. Intermediate Presentation – 10% of the final project grade

- A short **PowerPoint presentation** (~5–7 slides).
- Should describe the **project topic, background, and your planned approach**.
- Aim: get early feedback and demonstrate progress.

II. Final Presentation – 30% of the final project grade

- A **final PowerPoint presentation** (~10–12 slides).
- Should summarize the **full project**, including methodology, results, and conclusions.
- Aim: communicate your completed work clearly and effectively.

Important Notes

- Keep your writing clear and focused; avoid unnecessary complexity.
- All work must be your own. If you refer to sources, **cite them properly**.
- **You are required to provide a working implementation of your project** (GitHub or a similar publicly accessible platform). You may also be asked to briefly present or demonstrate your implementation during your final presentation or upon request.
- If your project and report demonstrate a strong level of quality and coherence, you may have the opportunity to publish your work in a **scientific journal**.