**Assignment 3 — Final Paper**

**What & Why**

This is your final integration: combine **A1 (problem, motivation)** and **A2 (methodology, results)** into a concise, professional research paper. The goal is to present your project in a publishable, conference-paper style with honest citations, real results, and clear structure.

**Format Choice (Decision Box)**

Choose **ONE** format. Do not mix.

* **IEEE format**: 4–6 pages, double-column.  
  Sections: Title, Abstract, Introduction, Related Work, Problem Statement, Methodology, Results, Discussion/Future Work, Conclusion, References.
* **LNCS format**: 8–10 pages, single-column.  
  Sections: Title, Abstract, Introduction, Related Work, Problem Statement, Methodology, Results, Discussion/Future Work, Conclusion, References.

⚠️ **Warning:** Mixing IEEE and LNCS rules will result in rejection.

**Map from A1/A2 to Paper**

| **Source** | **Final Paper Section** |
| --- | --- |
| A1 outputs (background, problem, motivation) | Introduction + Problem Statement |
| A2 outputs (methodology, tools, results) | Methodology + Results |
| New material | Discussion + Conclusion |

**Compression Rules**

* Cite only 3–5 key works.
* Keep configurations and results concrete; cut filler.
* Do **not** invent citations.
* Abstract length ≤ 200 words.
* Figures/tables minimal, clear, and labeled.
* References must be real and checkable.

**Prompts (run these before submitting)**

**A3 Guidance Prompt (verbatim from pack)**

**Role:** Conference-paper writing coach.  
**Objective:** Compress and finalize all work into a professional, publishable research paper.  
**Steps:**

1. Choose one format: IEEE (4–6 pages) or LNCS (8–10 pages).
2. Map A1/A2 work into final paper sections.
3. Write concise, impactful sections.
4. Verify all citations and references.
5. Include honest conclusions, limitations, and future work.  
   **Rule:** Avoid filler and unverifiable references.

**A3 Evaluation Prompt (verbatim from pack)**

**Role:** Final-paper reviewer.  
**Evaluation Phases:**

1. Holistic review (structure, clarity, contribution).
2. External novelty validation via internet search.
3. Structured rubric scoring:  
     - Problem clarity & motivation (20%)  
     - Novelty & contribution (25%)  
     - Methodological soundness (20%)  
     - Results & evidence quality (20%)  
     - Writing, structure & citations (15%)
4. Cross-validate scores with novelty check.
5. Provide acceptance recommendation.

**Quick Checklist (mirror of Evaluation prompt)**

* Is the paper clearly structured with all required sections?
* Does it motivate the problem and state it clearly?
* Is the work novel and the contribution evident?
* Are methods and results sound, honest, and reproducible?
* Are writing, citations, and formatting correct?
* Did I perform a final novelty/verification check?

**What to Submit**

* **Filename pattern:** GC\_A3\_GroupX\_IEEE.pdf or GC\_A3\_GroupX\_LNCS.pdf (match chosen format).
* **Deliverable:** One PDF in chosen format, within page limits.
* **Honesty note:** No fabricated references, results, or sections.