



Group Work (GW)

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[Group Formation]

- Students should organize themselves into pairs (i.e., groups of two students)
 - Groups are named G1, G2, G3, ...
 - If you prefer, you can do it alone
- All students must be part of a group
 - Deadline: **14/09**



[Phases and Tasks]

- The work is organized into two phases
 1. *Planning*: partial presentation **16/09**
 2. *Execution*: final presentation **16/11** and **18/11**
- Main Tasks
 - To design an empirical study
 - To execute the study and analyze data
 - To report the planning, execution, and results of the study in a technical report

[Assessment]

- 30 points in total
- Criteria
 - Oral presentations
 - Participation in the presentations
 - Peer review (given and received)
 - Technical Report
 - Novelty, quality of the text, flow of ideas, deepness of research, detailed design, discussion of related work, contributions, etc.

[Empirical Strategies]

- Choose one or more empirical strategies presented in the text book
- C. Wohlin et al. *Experimentation in Software Engineering*, Springer. 2012.
 - Survey
 - Case Study
 - Systematic Literature Review
 - Experiment (“quasi” / controlled)

[Topics of Interest]

- Groups are free to chose a topic of their interest in **Software Engineering**
 - Example of topics (not limited to)
 - AI for Software Engineering (e.g., Prompt Engineering)
 - Software Engineering for AI
 - Software Process, Project Management, Agile Methods
 - Requirements Engineering
 - Software Architecture, Modelling, UML
 - Design Patterns and Idioms
 - Programming, Software Quality, Metrics
 - Software Test, Code Review, Bug Prediction
 - Software Evolution, Refactoring, Bad Smells

[Proposal and Planning]

- Each group has to design the study
 - Register and submit via EasyChair a partial report (up to 3 pages) with details of planning
- The partial report are expected to include
 - Motivation and problem
 - Goal and Research Questions
 - Steps to be followed in the study
 - Expected measurement and analysis

[Abstract Registration]

- You have to submit the partial report via EasyChair by **September 16th**
 - Names of the group members
 - Title of your work
 - Abstract: less than 500 words
 - Partial report: PDF with up to 3 pages
- Late-delivery penalty policy
 - 1-point penalty per day of delay

[Algorithm for Project Approval]

- In accordance with course professor
- Algorithm (can be by email)

submit an initial proposal

while (professor is not satisfied)

do

 improve the proposal

 re-submit a revised proposal

end

[Partial Presentation]

- Each presentation is expected to last between 10 to 15 minutes
 - The agenda of presentations is going to be published at the course website
- Partial presentation should include
 - Motivation and problem
 - Goal and Research Questions
 - Planning procedures (steps)
 - Data collection procedures
 - Expected measurement and analysis

[Submission System]

- EasyChair is a conference management system that has many features to make it suitable for various conference models
 - <http://www.easychair.org/>
 - You have to be registered at EasyChair
- Our event (WSE 2026)
 - <https://easychair.org/conferences/?conf=wse2026>
 - Deadline for submission: **November 9th**
 - 3-point penalty per day of delay

[Formatting and Style]

- I recommend you to use the ACM template
- The technical report should not exceed 10 pages (ACM template)
- Main sections
 - Abstract, Introduction, Background, Study Design, Results and Data Analysis, Threats to Validity, Related Work, Conclusion, References

[Peer Review]

- Each student is going to review one or two technical report(s) from colleagues
 - It simulates the reviewing process of a typical software engineering conference
- Review process is “double blinded”
 - Authors do not know who reviewed their papers
 - ~~Reviewers do not know who wrote the papers they review~~

Revealed in the partial presentation

Criteria for Peer Reviews

- Evaluate the research work based on the technical report
- Reviewers have to use technical criteria
 - Novelty and deepness of research
 - Motivation, flow of ideas, and contributions
 - Quality of presentation and organization of the text
 - References and discussion of related work

[Final Presentation (Workshop)]

- Each presentation is expected to last between 15 to 20 minutes
 - The agenda of the workshop is going to be published at the course website
- Presentation of the project results
 - Motivation
 - Planning decisions
 - Execution procedures
 - Analysis and results
 - Threats to validity
 - Related work, etc.

[Important Dates]

	Deadline
Registration (partial report)	16/09
Partial presentation	16/09
Submit final report	09/11
Peer reviews	11/11 to 15/11
Final presentation (workshop)	16/11 and 18/11
Submit camera-ready copy (optional)	23/11

[Final Recommendations]

- Try to choose a topic that is aligned to research interests of both members
 - A good idea is team up a fresh student (or “*isolada*”) with a senior student
- Tip: you can select a paper from the literature and replicate its study with a different dataset