
**EECE655 INTERNET SECURITY
FINAL PROJECT**

- **No late projects or deliverables will be accepted**
 - Reminder that this project affects a significant part of your final grade
 - Project to be done in groups as specified
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Project Objective:

The project objective is to allow you to go through almost the complete research process. This includes problem identification, literature review and problem definition, design, implementation, testing/simulation, analysis and documentation. You are required to identify a topic of your choice related to Internet Security, conduct research, and report on it in a written format.

Research Topic:

- The topic **must** be related to Internet Security (interdisciplinary projects are welcome)
- Your topic **must** have a networking component

AI Tools Usage:

You are permitted to use AI tools but any content generated by these tools must be clearly labeled. You must also submit the prompt(s) used, alongside the AI-generated output, as part of your final submission.

The originality and creativity of your work will still be heavily weighted, so avoid over-reliance on AI tools.

Project Milestones and Due Dates:

There are 2 milestones in this project

- o Project Proposal due on **October 27, 2025** by noon on Moodle (I recommend you submit it at the earliest possible). Proposal approvals will be given to you within three days of submission
- o Final report with video link, AI prompts and outputs, and peer assessment due **November 27, 2025** by noon on Moodle

Project Proposal:

- Maximum one page
- Describe your objective clearly and not just the topic. To motivate an idea, add relevant references
- Describe the methods you will use. Indicate if you will be simulating, implementing, or testing
- Give a list of sources you have used till this point (including any AI tools used)
- Make sure you validate the feasibility of the project
- Make sure to discuss your ideas with me ahead of time

- Provide the names of the partners with clear contribution of each team member to the proposal

Final Report and Video Link:

- Maximum 3-page report following IEEE two-column conference formatting.
- Must include the following sections: Abstract, Introduction which includes objective and motivation, Literature review (at least 10 research references) with analysis, Theory/Design/Methodology, Simulation or Experimental Results and Analysis, Conclusion, and References (not counted in the page limit).
- Clearly indicate which team member wrote which section.
- If AI tools are used to generate text or code, they must be appropriately cited.
- Report **must** include a link to a YouTube video demo (3min Max) of your project.

AI Prompts and Outputs:

- A separate document that includes the prompts and outputs of any AI tools used.
- While AI tools are permitted, you should **not rely heavily** on them. The originality, understanding, and creativity demonstrated in your project will be heavily weighted in grading, so ensure AI-generated content supports your work without replacing your own contributions.

Deliverables (Soft copies):

All deliverables should be available by their corresponding due date on Moodle.

Grading:

- Proposal 15%
- Video 10%
- Final Report 45%
- Peer Assessment 25%
- AI Prompts and Outputs 5% (If a student's contribution is deemed very limited due to over-reliance on AI or improper documentation and labeling of AI-generated content, their grade will be significantly reduced beyond the 5%)
- Factors considered in grading your project in general in order of importance:
 - o Peer assessment and contribution
 - o Correctness of methods used
 - o Thoroughness and correctness of analysis
 - o Completeness of outcomes
 - o Originality of outcomes
 - o Difficulty of the topic
 - o Responsible use of AI tools and proper documentation of AI-generated content

Groups:

Hijazy, Omar M.

Awad, Jad M.

Jaafar, Ali H.

Bailoun, Mohamad M.

Shaaban, Rana R.

Kaaki, Omar H.

Eid, Rami A.

Zubdeh, Walid O.

Jammoul, Mostafa W.

El Khoury, Tia N.

Yaghi, Samir R.

Alawar, Sammy N.
