

Hacettepe University - Computer Engineering CMP720 Embedded System Design - Spring 2026

Final Project Topic Proposal Template

(Fill in the sections below. Replace placeholders with your content.)

Group Members (Name Surname + Student ID)

Instructions: List every group member as “Name Surname — Student ID”.

- Name Surname — Student ID
- Name Surname — Student ID

Project Topic Title

Instructions: Provide a concise, descriptive title.

[Insert Project Topic Title Here]

Project Track (choose one)

☐ Implementation Track

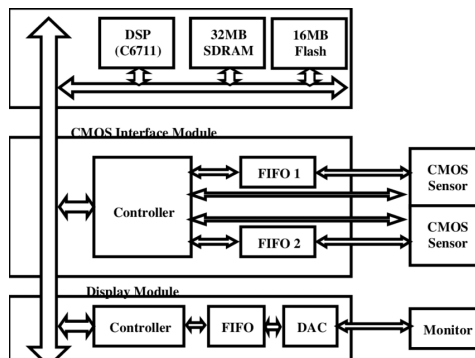
☐ Optimization Track

Abstract (300–500 words)

Instructions: In 300–500 words, explain: (i) the problem tackled, (ii) the proposed solution approach and methodology, (iii) high-level system architecture and major components, and (iv) an initial plan and milestones for attacking the problem. Include one crude block diagram (schematic for Implementation track / optimization pipeline diagram for Optimization track) to illustrate the idea.

[Insert 300–500 word abstract here.]

Diagram example: An example of how to include a figure (replace `schematic.png` with your file; PDF is recommended for best quality). Adjust the size by changing the width below.



Motivation / Societal Impact (200–500 words)

Instructions: In 200–500 words, explain why this problem matters for the greater good (societal impact, safety, sustainability, accessibility, cost reduction, reliability, etc.). Include who benefits and how you would measure impact.

[Insert 200–500 word motivation paragraph here.]

Related Work / References

Add a few related works from the literature, patents, or existing products to show what other researchers and developers have done in this area (3–5 works are sufficient, but you may include more). At this stage, you are not expected to conduct a full literature review; that will be done after your project idea is accepted. Add entries in BibTeX format to references.bib and cite them in your text using \cite{<bibtexhandle>}. The References will be ordered and generated automatically. You don't need to order them inside references.bib or delete references that you do not cite.

Sample citation: Real-Time Operating Systems for Embedded Systems: A Survey [1].

References

- [1] A. Sharma and P. Kumar, “Real-time operating systems for embedded systems: A survey,” *IEEE Access*, vol. 8, pp. 12345–12367, 2020.

How to Submit

- Open the Google Drive sheet (submission tracker): <https://docs.google.com/spreadsheets/d/17ACM2EVBZ9tZY3XIKveWwRSbt-QfVjS7qkYcTWC3GwU/edit?usp=sharing>
- Fill in your group and project details in an appropriate row (make sure you do not delete/edit other students' entries!).
- Create a repository that you will use to submit **all** project work throughout the semester (GitHub or GitLab).
- Upload/commit your proposal files to the repository (both the .zip source files with .tex and the compiled .pdf).
- Paste the repository link into the corresponding column in the sheet.
- If your repository is private, add the instructor as a collaborator: selmadilek@gmail.com.