

Template for EDL Project Proposals (10 to 15 pages)

Project Title:

Group No(Mon-xx, Tue-yy, Mon-Online-pp, Tue-Online-qq):

Student roll nos. and names:

Faculty Mentor:

Abstract

Five/six sentences (maximum) briefly describing what the project is all about.

(Write one sentence as the motivation, one/two sentences giving major application of the project. Add one or two sentences about your approach and finally one sentence on what you plan to complete).

1. Block diagram

Show a detailed block diagram showing the major subsystems of the project and give a very brief description of the project.

2. Project details

This section should have following subsections:

2.1 Project goal

Summarize what your design project is to achieve (one or two sentences). Be as specific as possible. Avoid vague sentences.

2.2 Project description and methodology (or approach)

This is the major part of your proposal. Briefly explain how you plan to execute the project. In order to do this, list the sub-systems shown in the block diagram and briefly describe each sub system in just one or two sentences.

2.3 Project design

2.3.1 Sub system designs

Give design requirements of the sub systems and your choice of components. Briefly describe your strategy for implementing each subsystem. Give references as appropriate.

3. Project Work plan

A listing of all tasks, planning involving all the tasks and sub-tasks. A task can be defined as anything that takes your time. Examples of tasks possible are (but not limited to): Embedded system design, sensor testing, analog module design and testing, mechanical design, PCB design, power consumption estimation, components procurement, documentation, etc.

Distribute the task/sub-task among your group members and mention these weekly tasks for each member.

4. Project Implementation

i) BOM or Bill of Materials

At this stage, you need to submit a list of major components with prices.

ii) Testing

Decide on a testing strategy - how to test, needed tools, precautions and feasibility Assessment (resources, risks).

iii) Demonstration

Spell out the project deliverables - what you would demonstrate during the evaluations.

5. Project Milestones

- Milestone 1 : January 31 (Mon) – Detailed Project proposal submission
- Milestone 2 : Feb 14 (Mon)/ Feb15 (Tue) – Evaluation – 1 (30% of your project should be ready)
- Milestone 3 : March 14 (Mon)/ March (Tue) – 60% of your project should be ready
- Milestone 4 : March 31 (Thu) – Final EDL Project Report submission – 90 to 95% of your project should be ready; should have done proper prototyping.
- Weekly Progress Reports : due every Sunday, 8pm - for monitoring progress; will be evaluated by the TAs/RAs and Faculty mentor. Brief report – 2 or three pages.

Final Evaluation

- EDL PPT presentations : April 4 (Mon) and April 5 (Tue)
- EDL Project Demos : April 11 (Mon) and April 12 (Tue)

Last day of instruction: April 15 (Fri)

=====