

Guideline for Writing Capstone Project Proposal

Your proposal should at least contain the following sections. Please use A4 paper, Times New Roman size 12, Single Spacing. Limit your proposal to not more than 1500 words.

Capstone Project Proposal

by

[Names & IDs of students]

[Name & designation of Supervisor and Co-Supervisor (in any)]

Project Title

Write the name of your project.

Project Description

A detailed description of what exactly your project is.

Project Rationale

State the need for, and justification of, selecting this project topic.

Professional Expectations

Explain, with clear indication/expectation/measurement how the outcome of your project is going to have an impact on Society and/or Industry (specific or potential expectations).

Project Goals

List and explain the goals of your project. This section should address, in detail, a description of your project, what you plan to do, and how you will achieve it.

Research

Your project should also include a review of the existing research on your topic and a discussion comparing this research to your project focus. The proposal should address how you plan to review the existing literature, what sources you plan to use (the Internet, journals, books, popular magazines, etc.).

Procedure & Work allocation

A step-by-step analysis of how you intend to meet your goals, including resources you will need, where you intend to find them, and an estimated timeline of how long each step will take together with work allocation amongst your group members. Additionally, use the Gantt Chart of Research Activities and Milestones with dates.

In this step, consider the outcomes in each part of CSE400.

CSE400A: *Finalizing a capstone project topic and its objectives*

PO1: Engineering Knowledge (Cognitive)

PO4: Investigation (Cognitive, Psychomotor)

CSE400B: *Design and implementation of the capstone project considering its impact on societal, health, safety, legal and cultural issues*

PO2: Problem Analysis (Cognitive)

PO3: Design/ Development of Solutions (Cognitive, Affective)

PO5: Modern Tool Usage (Psychomotor, Cognitive)

PO6: The Engineer and Society (Affective, Cognitive)

CSE400C: *Design and implementation of the capstone project considering its impact on environment and sustainability, ethics, individual and teamwork, project management issues, effective communication, and life long learning*

PO7: Environment and Sustainability (Affective, Cognitive)

PO8: Ethics (Affective, Cognitive)

PO9: Individual Work and Teamwork (Psychomotor, Affective)

PO10: Communication (Psychomotor, Affective)

PO11: Project Management and Finance (Cognitive, Psychomotor)

PO12: Life-Long Learning (Affective, Psychomotor)

Estimated Budget (if any)

Please justify your estimated cost.

Expected Outcomes

1. *Deliverable Product/Prototype*
2. *Novel theories/New findings/New Knowledge*
3. *Targeted Research Publications in Reputed Journals (if any)*
4. *Intellectual Property (IP) such as Patents, Copyright, Trademark, etc. (if any)*