

Conceptual Design Report Guide

(Max. 15 pages)

The report must contain

- Front page
- Content page
- Summary

Report Outline

1. Introduction, Needs Identification, Problem statement & Objectives
2. Research / Technology Survey and/or Background information including definition of the State Of The Art (SOTA)
3. Requirements Specifications (Engineering requirements and Marketing Requirements)
4. Constraints, Standards and Certification
5. Sustainable Development Goals (SDG)
6. Interdisciplinary-Multidisciplinary Aspects
7. Concept Generation and Evaluation

Level 0 Design: The highest-level design of the system, overall description of the system, i.e., description of inputs-outputs and functionality, decomposition of the requirements to sub-system/module requirements (for Level 1 Design).

Level 1 Design: Functional decomposition of the system (Level 0 Design: employing a "divide-and-conquer" approach) to sub-systems, demonstration of how concept generation methods are implemented (existing products, benchmarking, brainstorming, nominal group technique, concept table/fan etc.).

Demonstration of how behavioural models (class diagram, use cases, state machine, activity diagram, UML etc.) are implemented within the project running period (if implemented).

8. Conclusions
9. References
10. Appendix (*Team working proofs shall be provided in the form of pictures or videos shared via internet links*)

Note: See EEE392 Course Materials before developing your report. [EEE 392 Video records](#) can be reached via the [EEE392 YouTube Channel](#).

See **Conceptual Design Report Grading Criteria**.