



Australian
National
University

CECS: structuring a report

ANU Academic Skills

Research and Writing process



Basic generic report structure

- Title page
- Table of contents
- Executive summary
- Introduction
- Discussion
- Conclusion
- Recommendations
- References
- Appendices

This section can vary from report to report depending on the course and the report task

Alternative sections of a report: **IMRD**

Introduction

Why you investigated this topic/issue



Method

How you investigated this topic/issue



Results

What you found about this topic/issue

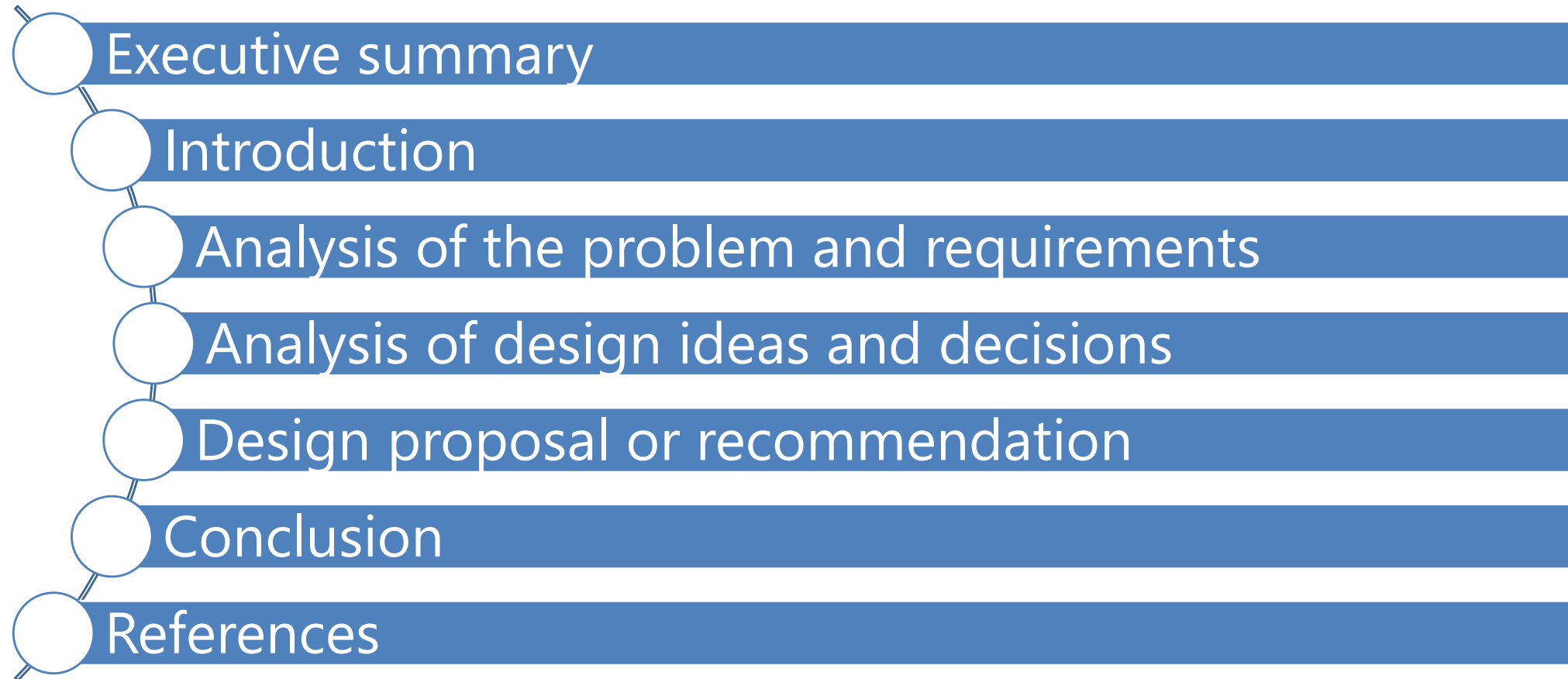


Discussion

Why it is meaningful



CECS report structure



Organise the body of your report

- Break your report into major points
 - These are your sections and sub-sections
- For each section / sub-section, break into points again
 - These become your paragraphs
- If you have multiple sub-subsections within a main section of a report, you may need to include brief section introductions and conclusions

Sample computer science report structure

- Abstract
- Introduction
- Preliminaries
 - Graph theory
 - Matrix theory
- Discussion on consensus protocol
 - Applications
 - Coefficient setting methods
 - Proposal of the coefficient setting method for two-hop consensus
 - Adaptive coefficient setting method for two-hop consensus
 - Updating scheme
- Simulation results
- Discussion
 - The effect of graph topology
 - The effect of consensus protocol
- Conclusion
- References

Sample engineering report structure

- Introduction
- Theoretical background
 - Composites
 - E-glass / Epoxy Resin Domes
- Hypothesis
- Method
 - Equipment
 - Materials & Preliminary Preparation
 - Fabrication
- Results
- Analysis
 - Dome Properties
 - Density of the Composite
 - Longitudinal Modulus of Elasticity
 - Transverse Modulus of Elasticity
- Discussion
 - Limitations
 - Comparison of dome making in the lab and in the industrial scale
- Conclusion
- References

Your structure should support your key message

There must be:

- A logical sequence of ideas
- A narrative that persuades the reader you have a good solution / recommendation / analysis

Therefore:

- Each section has a purpose tied to the overall message
- Each paragraph has a point tied to the section's purpose

References

Wang, C 2012, 'An investigation of the adaptive coefficient setting method for the two-hop consensus protocol and the effect of network topology on power systems', *The ANU Undergraduate Research Journal*, vol. 4, pp. 87- 102