



# Purush Karu, Hien Tran Minh & Belinda Sta Maria

Monash University

Using the Optimizing Problem Solving Pentagon as a Basis for  
Research Skills in Final Year Engineering



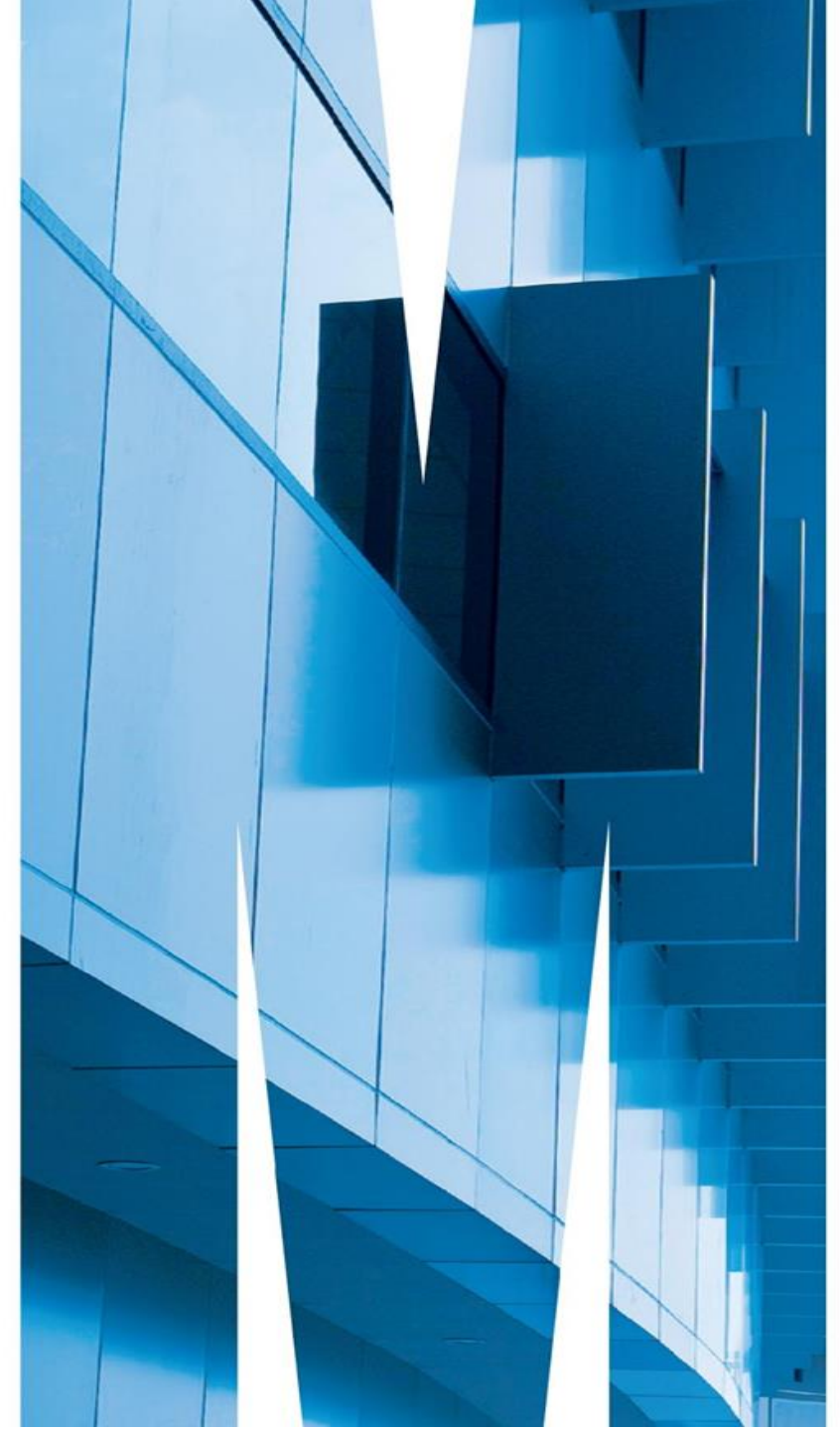
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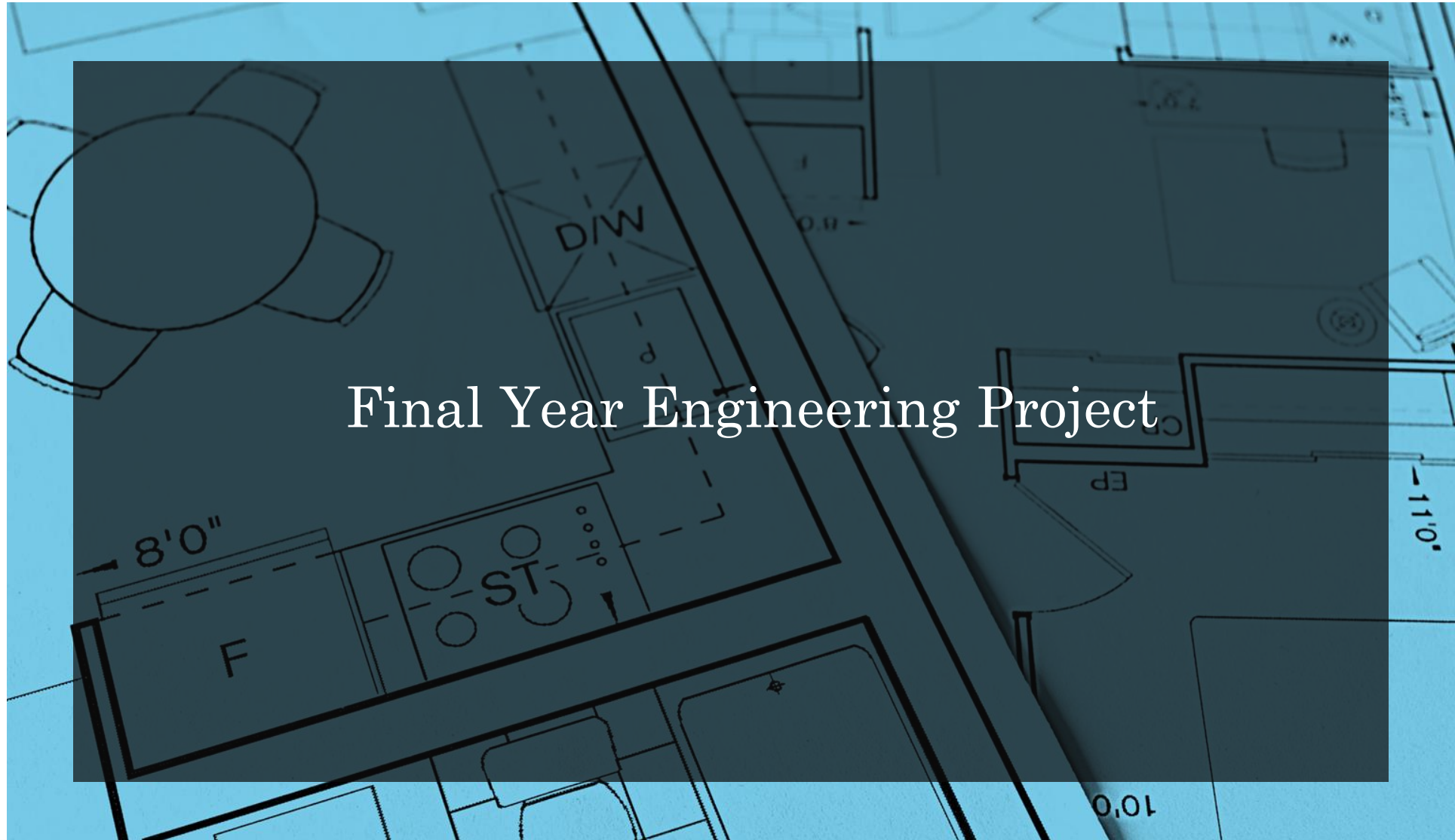
# **Using the Optimizing Problem Solving Pentagon as a basis for research skills in Final Year Engineering Project.**

Tran Minh Hien  
Karu Purush  
Sta Maria, Belinda

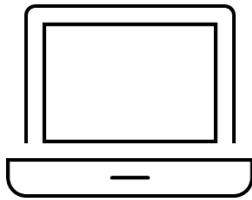
Research and Learning  
Library and Learning Commons  
Monash University Malaysia



# Final Year Engineering Project (FYEP)

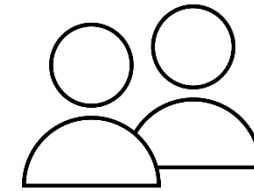


- Thesis Formatting with MS Word
- Managing references with EndNote



Utilising  
technological tools

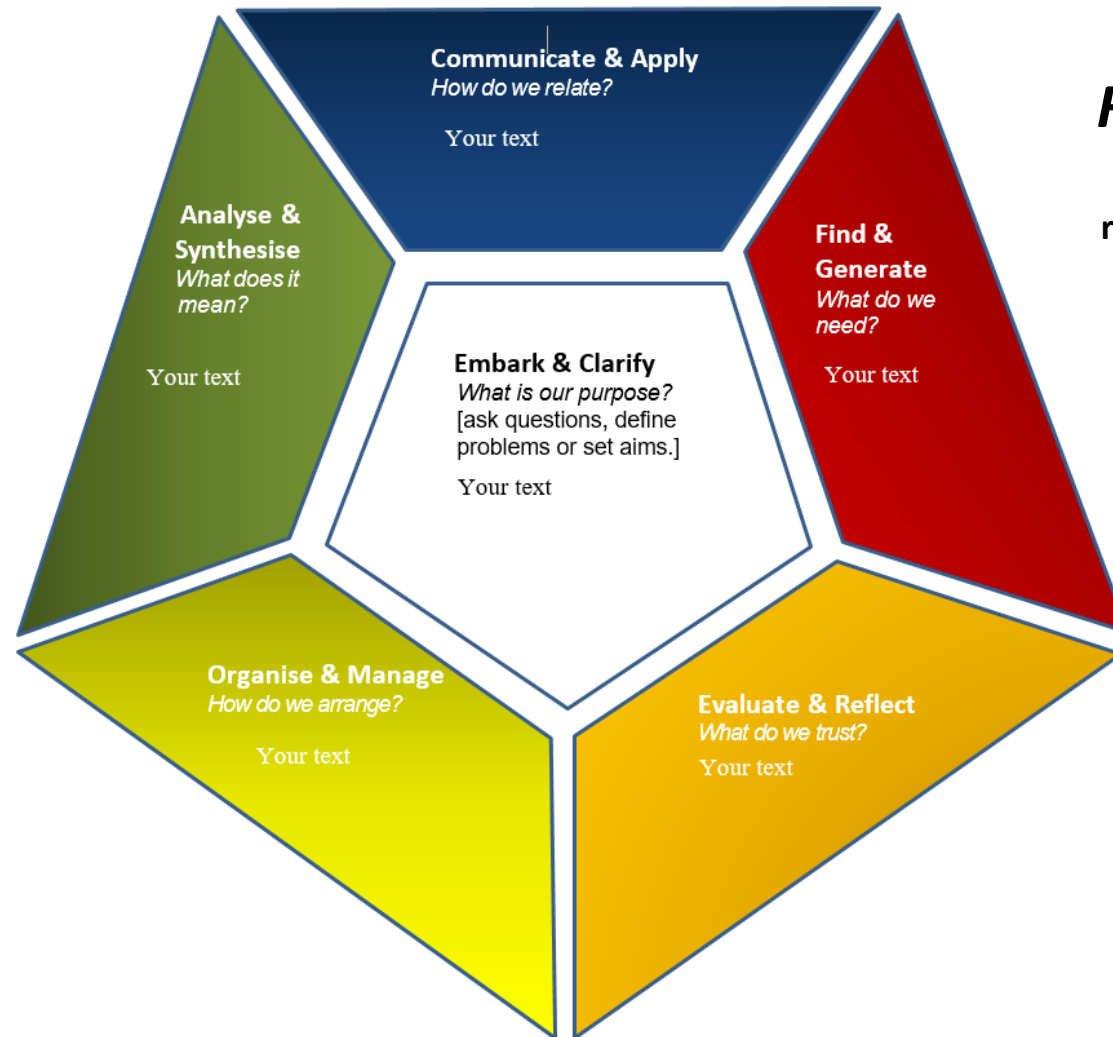
- Literature Review
- Technical Writing
- Structuring the Report  
Writing reports



Presenting  
findings

- Presentation Skills

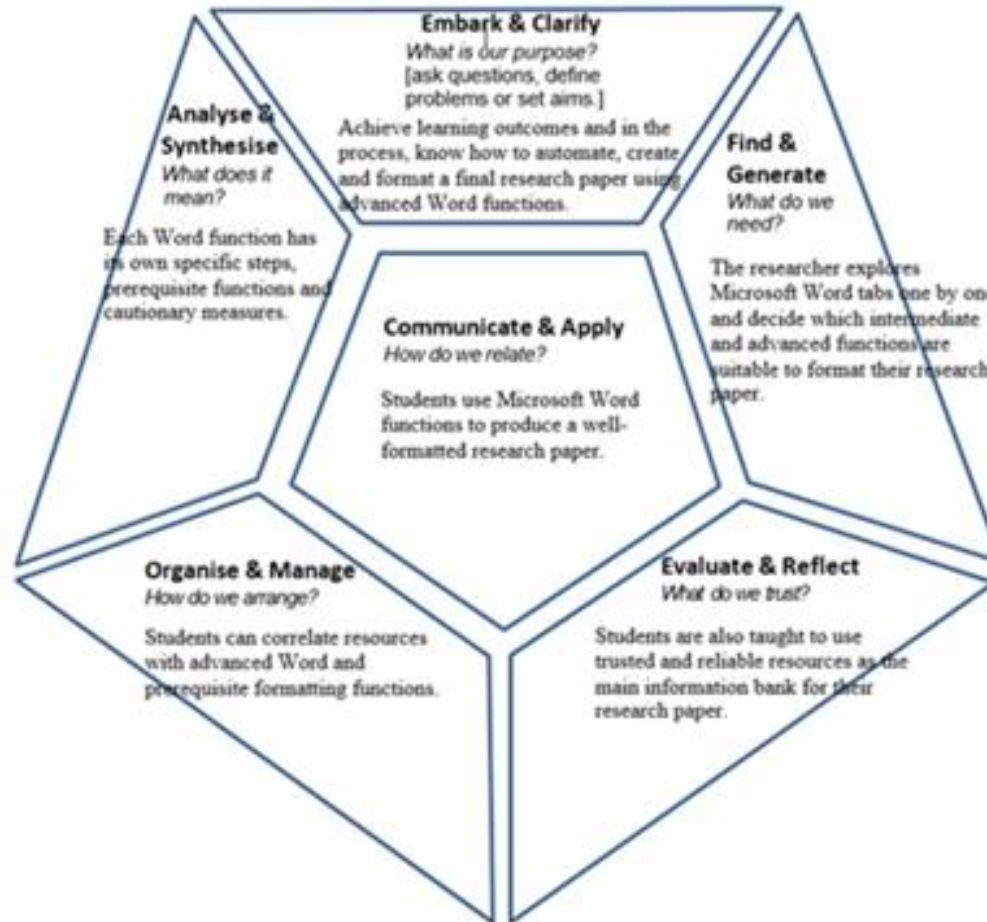
The RSD Pentagon may be used as a Thinking Routine (R. Ritchhart & D. Perkins, 2008).



## ***RSD pentagon***

**'When in doubt,  
return to the centre'**

# Thesis formatting using Microsoft Word with the OPS pentagon as a basis for research

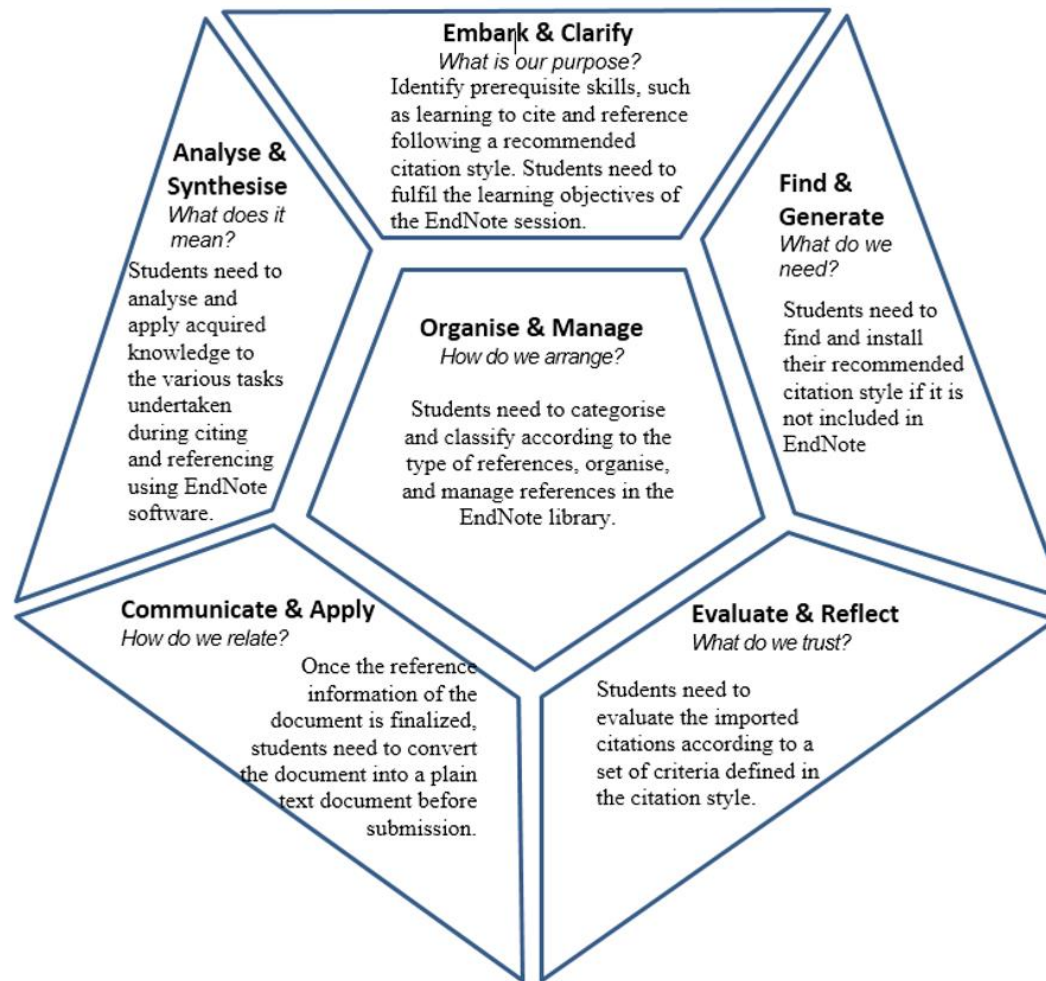


The most essential facet:  
**Communicate & Apply**

*Students use Microsoft Word to produce a well-formatted project paper.*



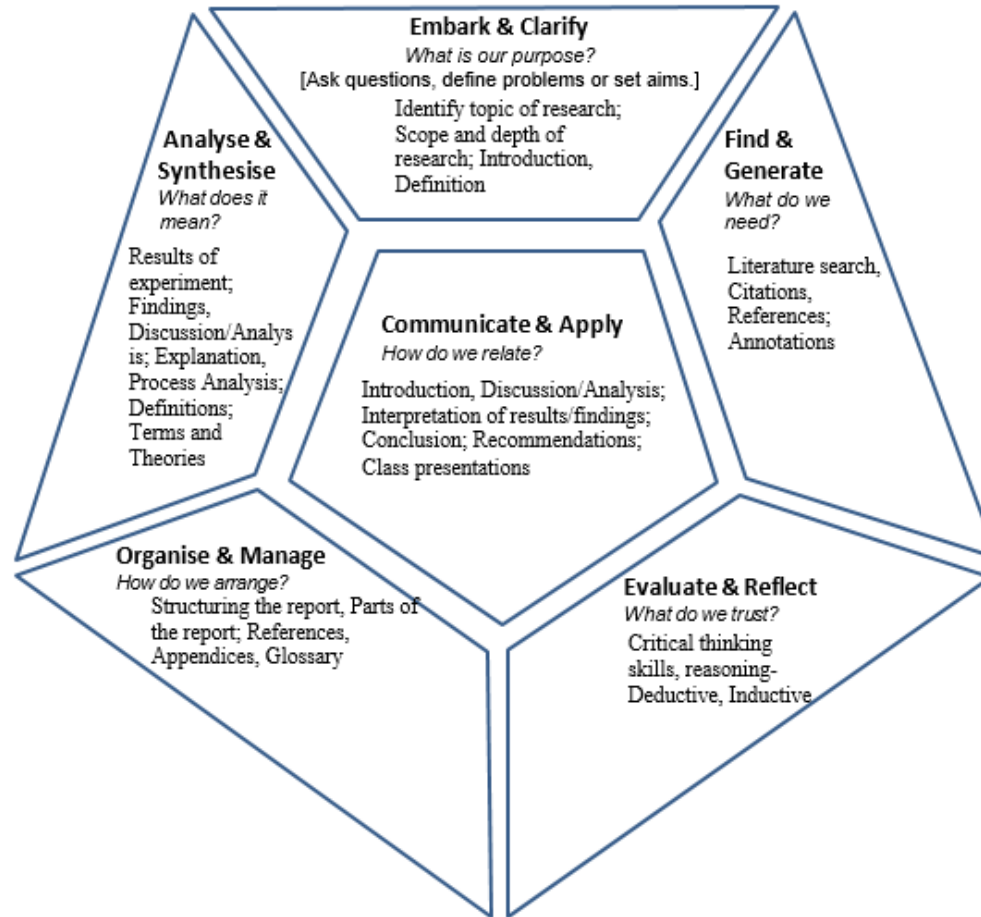
# Using EndNote for managing references and citations, with reference to the OPS pentagon



The most prominent facet:  
**Organise and Manage**

*Students need to categorise and classify according to the type of references, organise and manage references in the EndNote library.*

# The OPS pentagon as a basis for writing and oral presentation in FYEP



The most relevant facet:  
**Communicate & Apply**

*Introduction, Discussion/Analysis;  
Interpretation of results/findings;  
Conclusion; Recommendations;  
Class presentations*



# THANK YOU

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